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Enquiry No.661001E			Dt.10.01.2022
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FOR REFERENCE OF RS GROUP – RS DETAILS PLEASE FOLLOW THE BELOW LINK

https://bapscm.bhel.in/arc22_pp/os_ldpp_arc_index.php

 An ISO Company	BHARAT HEAVY ELECTRICALS LIMITED (A Government of India Undertaking) பாரதமிகுமின் நிறுவனம்	Ph: 04172-284030, 284158, 241170 Email: bsmanian@bhel.in ssvasan@bhel.in
	BOILER AUXILIARIES PLANT, Indira Gandhi Industrial Complex, RANIPET- 632 406 (Tamil Nadu)	

SECTION – I
NOTICE INVITING TENDER (NIT)
(This is only a request for an offer and not a Contract)

E-Tender are hereby invited from experienced Sub-Contractors to finalise the Rates for entering into Annual Rate Contract for the year 2022-23 for Machining / Fabrication / Chrome Plating / Nitriding / Assembly of jobs for Boiler Auxiliaries components like APH (Air-Pre Heater), ESP (Electrostatic Precipitators), FANS (Industrial Fans), G&D (Gates and Dampers), Chimney, Bunkers, CHP(Coal Handling Plant), AHP(Ash Handling Plants), WEG(Wind Electric Generator), Desalination, Fabric Filters etc..in accordance with the Technical Specification/BHEL Engineering Drawings/Quality Documents out of materials/components to be supplied by BHEL/Ranipet as free issue.

Enquiry No. & Date	661001E Date 10.01.2022
Due Date &Time for Submission Of Offer	24.01.2022 by 10.00 Hrs
Date & Time for Tender Opening (Other than Price Bid)	24.01.2022 by 16-00 Hrs
Place Of Tender Opening	E Procurement portal

This tender specifies a set of prequalification criteria defining the eligibility for the vendors to quote against a particular Rate Schedule/Group of Rate Schedules of this tender. The Bidders are advised to go through all the enclosed Tender documents terms & conditions detailed under **Sections I to XII, Annexures- A to K**, and Rate Schedules carefully before submitting their Offer.

All the **Annexures A to Annexure-K** should be filled, wherever applicable by the bidders without fail for evaluation of their offer and **all necessary / Self attested copies of the supporting documents** as required are to be attached.

The bid shall be submitted in three parts namely (1) EMD or Valid MSME certificate (2) Techno Commercial Bid and (3) Price Bid.


Kindly refer to the **Section-IV** – General Terms and Conditions of the tender for detailed procedure for submission of offers and details of exemption from submission of EMD for vendors registered with MSME

Kindly refer to Section-II to Section-IV for detailed scope. E Tender are hereby invited from experienced Contractors for the above scope.

Contact details / address for any clarification.

Manager/OS
Outsourcing Department, Boiler Auxiliaries Plant
Bharat Heavy Electricals Limited, ,Ranipet-632406
Phone : 04172-284030, 284158, 241170
E-Mail : bsmanian@bhel.in , ssvasan@bhel.in

SDGM/OS

 AN ISO 9000 COMPANY	Bharat Heavy Electricals Limited (A Government of India Undertaking) Boiler Auxiliaries Plant, Ranipet – 632 406		☎: 04172-284030, 284158, 241170
	OUTSOURCING DEPARTMENT		E-Mail : bsmanian@bhel.in ssvasan@bhel.in
Enquiry No	661001E	Due Date & Time for submission of offers	By 10.00 Hrs On 24 Jan 2022
Enq-Dated	10.01.2022	Date & Time of Tender opening	By 16-00 Hrs On 24 Jan 2022
<p style="text-align: center;"><u>SECTION II</u></p> <p style="text-align: center;">Techno Commercial Terms & Conditions of the Annual Rate Contract 2022-23 for OS-LDPP</p>			

Scope of the enquiry is to finalise the Rates for entering into Annual Rate Contract for the year 2022-23 for Machining / Fabrication / Chrome Plating / Nitriding / Assembly of jobs for Boiler Auxiliaries components like APH (Air-Pre Heater), ESP (Electrostatic Precipitators), FANs (Industrial Fans), G&D (Gates and Dampers), Chimney, Bunkers, CHP(Coal Handling Plant), AHP(Ash Handling Plants), WEG(Wind Electric Generator), Desalination, Fabric Filters etc..in accordance with the Technical Specification/BHEL Engineering Drawings/Quality Documents out of materials/components to be supplied by BHEL, Ranipet as free issue.

1.0 Contract period for this Enquiry is One Year from the date of finalization of the contract

- 1.1 For study and quoting of rates for various Rate Schedules, Representative Drawings, QWI against the Rate Schedules indicated in the **ANNEXURE-C** for each category of machining / fabrication are kept at BHEL office for vendor study on all working days from Monday to Saturday from 09.00 Hrs to 16.00 Hrs.(up to 3 days prior to the due date for submission of tender).
- 1.2 Vendors are requested to have a perusal of these drawings, QWI, etc., before submitting their offer. **The offer has to be submitted Only in ANNEXURE-C** duly signed therein by the authorized person of the Contractor with rubber stamp in the space provided in **ANNEXURE-C**. No deviation or change from the Tender conditions will be entertained and BHEL reserves the right to reject such offers.
- 1.3 Based on the Rate contract, to be finalized, the Firms shall accept and undertake all jobs awarded to them under various Rate Schedules allotted to them and execute them to the satisfaction of BHEL. Failure to comply with this requirement will be viewed seriously.
- 1.4 BHEL will conclude that the offer has been submitted by the firm, fully understanding all the requirements both explicit and implied and other conditions and accepting the same. After tender opening, contractors do not have any right to change / alter any of the conditions either partly or fully. Offers of any such firms doing so, will be rejected.
- 1.5 Vendors are requested to refer to **SECTION-IV** of this tender for (a) the applicability of EMD, (b) waiver available for EMD for MSE vendors and (c) procedure involved in submitting the offer in three parts.

2.0 FIRM RATES :

- 2.1 Please quote **FIRM** rates per KG., per MT., per No., per Meter., per Square Meter., etc. as called for in **Price Bid format ANNEXURE-D** which are applicable to the firm (for Conversion Work only). The rate shall include the following and the operations called for in the conditions indicated in the tender.
- (a) The rate shall include all consumables for welding as stipulated in the drawings/QWIs /welding procedures and any indirect materials required for fabrication.
 - (b) The rate shall be inclusive of the Transport Charges (inclusive of Toll Charges, if any) for Collection of Raw Material with allowances as specified in **Clause 3.0** and other components from Stores at BHEL, Ranipet and Dispatch of finished goods to Shipping/Stores at BHEL, Ranipet. (The rate shall be common for all vendors irrespective of the location/distance of their factory from BHEL, Ranipet). No extra transport charges shall be allowed for multiple collection and deliveries.
 - (c) The Rate shall include Transport charges (inclusive of Toll Charges, if any) for Return of balance material to BHEL, Ranipet Stores.
 - (d) The rate shall include machining of castings, forgings and fasteners which are supplied as free issue by BHEL, Ranipet.
 - (e) The rate shall include safe delivery of the finished fabrications as per QWIs and Drawings to withstand transit damages by rail/road.
 - (f) The rate shall include for protecting machined/threaded areas to avoid physical damages while handling, transportation and storage.
 - (g) Splicing of Structural, shall be done with prior permission from Outsourcing, BHEL, Ranipet.
 - (h) The rate shall include Painting charges including Red Oxide painting / application of rust preventive oil as applicable for the Rate Schedule.
 - (i) Stenciling of Finished Product for Identification as per Clause 9.2
 - (j) The rate shall include for rectification of raw materials such as straightening, removal of bend, twist, etc. wherever necessary.
 - (k) The rate shall include **LPI wherever required as per QWIs / Drgs /Sketches**. All other NDT charges like MPI/UT/RT etc payable extra as per Clause 11.0.
 - (l) Offering the jobs for inspection to BHEL /Customer or its authorized inspection agency is in Contractors scope and the quoted rate shall include the same.
 - (m) The description and PGMA's given in the each Rate schedule is only indicative. Any items of similar nature shall be loaded against Rate Schedule based on the work content. For payment purpose, only Rate schedule numbers shall be considered.
 - (n) The rate shall include any Trial assembly as called for in the drawings/QWIs or by inspection authorities in accepting the assembly.
 - (o) The rate shall include offering the jobs for inspection to BHEL /Customer of BHEL or their authorized inspection agencies.
 - (p) Machined/ Threaded areas are to be suitably protected to avoid physical damages while handling, transportation and storage.
 - (q) **Note 1:** As the charges for shot blasting, painting, heat treatment and NDT (Other than LPI) are payable extra as per extra Rate Schedule, the rate quoted **shall not include** the cost of shot blasting, painting, heat treatment and NDT.

Note 2: The rates to be quoted for Rate Schedules requiring the intermediate operations (including shot blasting, painting, heat treatment, NDT) **shall NOT include** the cost of to & fro transportation and handling of the products to the respective firms and back. Where as separate Rate Schedules are added for the same. Hence whenever intermediate operations are required to be carried out, the Charges for TO and FRO Transport is payable extra.

Note 3: Vendors are requested to quote the rates for each Rate Schedules (RS) in Rs. per MT (OR) as applicable for conversion, scope of work, and meeting the terms and conditions of this tender in full.

- 2.2 The rates shall be FIRM and not subject to any variation/escalation on any account during the validity of this Contract period. The rates are operative for placement of job work orders valid for **One Year from the date of finalization of the contract** on Rate Contract basis to be entered into between BHEL and the Contractor.
- 2.3 The total available load in excess of Shop capacity from time to time will be distributed to those Contractors with whom Contract is entered into and to that contract the addenda shall be placed in a phased manner subject to Rank L1, L2, L3..., the availability of potential and also depending upon vendor performance such as collection of materials in time, manufacture according to our plans/requirements, meeting quality requirements, sequential and timely dispatch of components, Prompt & Quick response, prompt returning & accounting of balance materials, Settlement of outstanding dues if any, and also the maintaining of minimum required facilities available at the Contractor's works to meet the job requirements and submission of such other reports as called for then and there.
- 2.4 The L1, L2 and L3 Vendors will be loaded for more quantum, subject to other performance criteria specified above.
- 2.5 BHEL does not guarantee ordering of any minimum quantity or does not guarantee more share for the lowest tenderers. However, if the L1-contractors are performing well in terms of sequential dispatches and required tonnage interalia meeting the requirements laid down above, the same will be considered during loading.
- 2.6 "Notwithstanding anything to the contrary, including, but not limited to, provisions relating to extension of time and compensation/or delay, time shall be the essence of the Contract."
(The scope of Machining / fabrication, Customer approved Quality plan will be indicated in the PO as Addenda).
- 2.7 In case if the quantum of load is beyond the capacity of vendors in the opinion of BHEL or for shorter delivery requirements, BHEL reserves the right to extend/award the contract for manufacture of items covered herein to other probable new or alternative sources, without prior intimation to the contractors and BHEL's decision is final in this regard.
- 2.8 The Contractors are responsible till the Finished/Semi-finished components are safely deposited to BHEL, Ranipet. They should carefully pack, load, stack by providing wooden reapers, etc. for avoiding damage during transit and lash the consignment properly at the time of despatch so that the consignment reach the destination safely.
- 2.9 Job Work orders will be issued after entering into Rate contract with the Sub-Contractors. Discrepancy in the JWOs if any, has to be settled immediately then and there within 10 days from the date of Job Work Order.

3.0 Raw Material Issues and Accounting :

The weight indicated in GMS/DRG/ and or as per Scope indicated in the PO addendum will be the basis for accounting of raw materials issued. For billing conversion / transportation charges if any the weight indicated in GMS/Drawing only will be considered. Raw materials will normally be issued with process allowance as given below for economical operations.

Description	Invisible wastage	Working allowance	Total process allowance
Sheets	2%	1%	3%
Plates	2%	2%	4%
Structurals (Beams, Channel, Angles, Flats Rods, Pipes, Tubes, Packing etc.,)	0.5%	0.5%	1%

Cleared material shall be collected by the Contractors at the earliest without any delay. Kerf allowance (invisible wastage for gas cutting) for basket, gratings (RS AF06 to AF09) will be allowed @ 2.5 mm for each width of flat out of plates up to 30 mm thickness for material accounting purpose.

- 3.1 The Cutting Plans should be of "Optimum only", in order to maximize the utilisation of the material issued, specifically where the left out material can better be used for other jobs. The balance material, if any after Cutting Plan approval/ machining / fabrication shall be returned to our Stores at Contractor's cost. BHEL reserves the right to call for the returning of the balance material not withstanding its designation (ie. Whether Scrap / Big-size-Scrap)
- 3.2 The Circular Blanks or cutouts from Pin Wheel – I (RS95) are to be transferred in full to make Pin Wheel -II (RS96) and accounted accordingly.
- 3.3 Balance Material arising out of issued quantity shall be returned by the vendor. However, if original issued quantity is insufficient due to the shape or size required to be cut, cutting plans may be furnished for BHEL approval for further materials **within One Week of drawal of Materials**. Any off – cut available from the material issued by BHEL should be returned to BHEL as per approved cutting plan.
- 3.4 Wherever firm comes across receipt of excess material due to the error in GMS/Drawings that is to be brought to the notice of AGM/OS immediately. Since material is issued on weight basis, any excess material received on account of section weight variation or otherwise, the same is the property of BHEL, not withstanding the status of MAS. Such information shall be declared by the supplier to BHEL immediately.
- 3.5 Inventory statement has to be submitted every month by the firm for the free issued materials. If the Fabricator fails to produce or properly account the materials so issued, BHEL, Ranipet will have the right to take further action as deemed fit including recovery of the value of the materials along with the respective administrative charges and statutory levies from the running bills of the Fabricator / temporary suspension of load / termination of contract / de-listing.
- 3.6 Any act of Contractor resulting in dishonest misappropriation or conversion of the materials so issued for his own use shall constitute the offence of Criminal Breach of Trust under Indian Penal Code and /or such other offences under any other provisions of law and the Contractee shall have every right to proceed against the Contractor under Criminal Law in order to ensure proper punishment to such perpetrator/s for the said offence/s. In such cases, BHEL shall take all necessary steps to recover the material available with those firms.
- 3.7 Movement of BHEL materials from Contractor's premises to any other Firm(s), if necessary, for the purpose of production related work shall be documented properly, signed by the sender & receiver and the same to be authenticated by the concerned OS official, otherwise such materials will be treated as shortage by BHEL Accounts.
- 3.8 Protecting the material issued by BHEL under safe custody until completing the delivery as required is vendor's responsibility.

4.0 Working Allowance: After scrutinizing the design documents, wherever additional allowance is required, the process planner is authorized to increase/decrease the process allowance. Any how, this will be adjusted through MAS. This is done to avoid unnecessary supplementary issues. Whenever the demand weight is less than Off-Cut weight the process planner is entitled for raising MIV or giving Net Weight Credit (NWC) to the firm.

- 4.1 Wherever shearing and punching, raisal of supplementary MIV are involved, No process allowance is applicable.
- 4.2 For HASTE ALLOY MATERIALS the weights of component as per drawing will hold good for accounting of raw materials. Raw material will be issued in running meter for haste alloy material and since coils are in running meter, there will be no process allowance for all shearing operations. The Carbon steel (CS) portion of Haste alloy welded seals must be painted with one coat of Red Oxide. The contractor will have to return all the balance material of haste alloy strip, in issued width, to BHEL, Ranipet Stores at Contractor's cost.

5.0 Scrap / OFF–Cut Norms :

SI	Description	Scrap Size (mm)	Off Cut Size (mm)
1	CS/AS Sheets & Plates	Below 500 X 250	500 X 250 & above
2	Rolled Sections Including Structural(other than CS/AS rods upto dia 40mm/tubes/pipes): Length	Below 1000	1000 & above
3	CS/AS Rods greater than dia 40mm, RHS, SHS, Tubes and Pipes: Length	Below 500	500 & above
4	SS Non Ferrous Sheets & Plates	Below 500 x 250	500 x 250 & above
5	SS Non Ferrous Structural, rods, tubes, pipes: Length	Below 250	250 & above
6	Haste Alloy Length	Below 250	250 & above
7	Big Size scrap Length x Breadth CS/AS	(2500 & above)X (150-249)	-----
8	WSTE/NAXTRA Materials.	Below 500 x 250 Below dia 350	500 x 250 & above Dia 350 & above

The issue of various wool, CAF Joints, Asbestos rope etc. will be as per required Quantity. Excess material issued if any will be treated as scrap in view of practical problems (Re-Packing, verification, receipt, accounting, storage etc.)

- a) All Off-Cuts (Ferrous, Non-Ferrous, SS etc.) are to be returned to BHEL stores with RSV at contractors' cost.
- b) Returning of Off-Cuts/Prime material to BHEL is mandatory. Failure to return the materials (prime material/off-cut) will entail recovery of the cost of materials along with GST other Statutory levies as applicable plus departmental/administrative charges fixed from time-to-time **cl.7.7** from any of the running bills of the supplier/other means of recovery available for the non-returned quantum. The non returned quantum of material (Prime/off-cut) will be as per FMAS approved by BHEL.

- c) Wherever the materials are supplied by BHEL for mock-up test, welders qualification test etc. (except for Nitriding & Case Hardening), the same will be treated as scrap as classified above.

6.0 Recovery for Turning and Boring Scrap:

- 6.1.1 Normally the difference between the issued-weight and the net-weight is considered as off-cut/scrap. Wherever machining operation (including Drilling) is involved the difference between individual-piece-weight (ie. Blank weight) and the finished-weight will be considered for T-and-B calculation.
- 6.1.2 In case of machining jobs, out of the total Turning & Boring Scrap value 70% will be deducted, wherein balance 30% will be treated as Non-Collectable scrap. (It may please be noted that recovery towards 100% of T and B Scrap will be applicable for all material other than Ferrous Alloy Steel/Carbon Steel (viz. other than for Non-ferrous, Stainless Steel-Magnetic & Non Magnetic) as detailed elsewhere in this document. Recovery towards T and B scrap is not applicable for rate Schedules listed in **Section XI**.)
- 6.1.3 During the currency of the contract the recovery for Turning and Boring scrap shall be as per the Extra Rate Schedule No. as given below.

Sl.No.	Description	Rate Schedule
01	Recovery Rate for Turnings and Borings scrap of CS/AS	E44
02	Recovery Rate for Turnings and Borings scrap of SS Non magnetic , Non Ferrous	E45
03	Recovery Rate for Turnings and Borings Scrap of Stainless Steel- Magnetic	E46

- 6.1.4 All scraps (Ferrous, Non-ferrous, SS, CS/AS, WSTE etc.,) including Turnings and borings need not be returned to BHEL. Contractors can dispose the above scrap, on completion of Final-Material-Accounting for the respective IP. Necessary cost shall be recovered along with ED, Sales Tax and any other statutory levies if applicable.
- 6.1.5 Returning of Off-cuts/Prime-material to BHEL Stores is mandatory. Incase where those materials are not returned, cost shall be recovered as per applicable RS No along with all applicable statutory levies such as GST etc along with our departmental charges/Administrative charges
- 6.1.6 Recovery for 70% of the value of T and B Scrap generated will be made for Ferrous AS/CS Steel. However, total amount of Scrap generated in each IP shall be projected in FMAS for accounting purposes.
- 6.1.7 As far as "Other than Ferrous CS/AS Steel" concerned,
- Recovery for 100% of the value of the T and B Scrap will be made (viz. for Non- ferrous, SS) along with GST and any other statutory levies if applicable.
 - The amount of Scrap generated in each IP shall be projected in FMAS.
- 6.1.8 However, recovery for Turning & Boring Scraps are not applicable for Rate Schedules listed in **Section XI** (where T and B are negligible).

7.0 Disposal of Scrap :

Contractors who wish to dispose off the scrap from their end are permitted to do so subject to the following conditions:

- (a) They should possess GST Registration under GST Act . Copies of the same shall be furnished to Manager /Finance/BHEL, Ranipet.
- (b) The recovery for the above all categories of scrap will be as per the Final Material Accounting Statement (FMAS) approved by BHEL and as per the ARC Rates signed by BHEL and Contractors.
- (c) However GST applicable for all the scrap disposed off at the Contractor's end will be to their account. BHEL will not reimburse this amount. Necessary GST formalities are to be followed by the Contractor.
- (d) GST on scrap will be recovered as applicable
- (e) Scraps shall be disposed off only after submission and approval of Final Material Accounting Statement (FMAS) by BHEL

7.1 Wherever attested materials are issued, the balance materials are to be returned only in the attested condition. Otherwise **Cl. 7.7** below will be applicable.

7.2 The materials rejected due to reasons attributable to vendors like (a). Faulty workmanship, (b). Improper storage of raw material issued by BHEL (c) improper handling (d) improper packing etc.. will entail recovery at prime material's cost as per **Cl. 7.7**.

7.3 The materials rejected due to other than reasons **u/cl.7.2** shall be returned to BHEL,Ranipet Stores failing which recovery will be made as per **Cl. 7.7**.

7.4 The material supplied by BHEL, Ranipet. shall properly be utilized as per the Scope in Contract/drawings/QWIs in job work order to meet the design and quality requirements of the product. Hence economic cutting plans are required to be submitted by the Contractor for approval in the following cases:

- (a) For sheets & plates where the original issued quantity is more than 5 MT.
- (b) Whenever the issued quantity is insufficient owing to shape or size.
- (c) All stainless steel/Haste alloy/non-ferrous items.
- (d) Excess issue in weight against demanded quantity wherein the excess quantum is more than off-cut norms (**vide Cl. 5.0**).
- (e) For items like flanges, rings, cover plates, etc. where demanded weight is in excess of net weight with higher rate of process allowance. (However cutting plans need not be submitted where the collected material weight and net weight difference which is less than off-cut weight). In any case, cutting plan need to be submitted for issue weight 5 MT and above.

7.5 However, in working out such economic cutting plans, it is to be ensured that the details as prescribed in QWIs shall follow. After the approval of the cutting plans, any off-cut, available from the issues made either in original or in supplementary shall be returned to the BHEL, Ranipet Stores at the Contractor's cost. The cutting plans as approved by the Outsourcing, BHEL, Ranipet shall be kept at the Contractor's premises and to be made available as and when demanded by the BHEL Officials or their representatives. It should also be ensured that the jobs shall be as per the approved cutting plans. All returnable materials (prime/off-cut) as per Cutting Plan approval covering letter shall be returned to BHEL, Ranipet Stores immediately without waiting for the W.O./P.O completion to avoid any payment hold and subsequent recovery.

7.6 Whenever machining / fabrications are done without proper approved cutting plans, any loss of material arising due to the same will be recovered at prime materials cost including the

process allowance indicated in **CL. 3.0 & 4.0** plus Departmental / Administrative charges fixed from time to time (**vide Cl. 7.7.**). In addition, statutory taxes, duties and levies etc., applicable will also be recovered from the Contractor and also other actions as deemed fit will be taken and no claim for refund will be admitted by BHEL, Ranipet. BHEL's approved cutting plan is final.

- 7.7 Failure to return the materials (prime/off-cut) will entail recovery of the value of the materials plus departmental/administrative charges fixed from time to time. Currently the departmental/administrative charges are 25% for indigenous material and 50% for Imported materials on the material value. In addition, statutory taxes, duties & levies as applicable will also be recovered and no claim for refund will be admitted by BHEL, Ranipet. The rate of departmental and administrative charges as applicable from time to time irrespective of the date of failure will be applicable. Besides penal interest will be levied on the material value, for the period starting from date of issue of material.
- 7.8 Where an increased allowance over the process allowance as stated in **CL. 3.0 & 4.0** is necessary, the same will be issued after scrutinizing and approval of cutting plans.
- 7.9 For the purpose of material accounting after completion of a particular WO, BHEL/OS department will issue a preliminary material accounting statement thro' E-mail, the next day of completion.
- (a) The Contractor shall respond within 7 days of receipt of Preliminary MAS, Either by Accepting the Pre-MAS OR submit their own MAS (Contractor/Firm-MAS) in the case if the Pre-MAS is not in line with the requirement.
- (b) Any discrepancy Like weight correction, DU correction, variation in off-cut /scrap quantum etc., as indicated in Pre-MAS will have to be reconciled with the Material Accounting section with necessary proof of documents within a week from the date of issue of Pre-MAS. If reconciliation is not done within a week, it will be treated that Pre-MAS is correct in all respects
- (c) If the Pre-MAS is accepted by the Contractor, BHEL will prepare, within 7 days, the Final-MAS.
- (d) In case if Pre-MAS is not accepted by the Contractor, the Contractor/Firm-MAS submitted, if any, by the Contractor will be considered and if no such Contractor/Firm-MAS is submitted also, BHEL will prepare a Provisional-MAS and send through email, with in a week.
- (e) If the material (CS/AS) to be recovered as per BHEL MAS working is within plus or minus 10 Kgs with respect to Contractor/Firm-MAS, then final MAS will be released with out Pre-MAS acceptance.
- (f) For Deleted /Diverted Job Work orders, Final material accounting should be settled within 14 days time, after deletion/diversion. Otherwise, BHEL will prepare Final-MAS on completion of 14 days of IOM date on suo-motto basis. For exceptional cases with reasons attributable to BHEL, a further relaxation of 1 week will be given on the certification of respective field officers (Please Refer **Section VI** on work-flow for details).
- (g) The response if any received from the Contractor, will be studied and considered and Final MAS will be prepared. In case if no response is received, the provisional MAS will be treated as 'Final' MAS and accordingly, Final material accounting statement (FMAS) will be issued. BHEL will prepare the FINAL MAS within 7 days of DC control.
- (h) After completion/cancellation of (Issue Position) IP the Contractor has to submit Contractor/Firm MAS comprising material issue cum working details, contract and receipt statement as per the format specified by BHEL for entire IP within 7 days from the date of

delivery of last despatch or on date of submission of 100% invoice whichever date falls earlier of the respective IP. Further to, Contractor should certify the submission of bills with 4 (5)(a) Challan's duly signed with seal in part II including completion of all transactions like cutting plan approvals, return of BHEL Material on RSV, IUWTV controls and submit along with MAS.

(i) Once the IP is closed as mentioned above no re-opening of IP except recovery from running bills will be entertained.

(j) For the Rate Schedules listed in **Section VII**, contractor need not submit Contractor/Firm MAS (Where (a) The Unit of Issue is in "Numbers" (b) the Material type is semi-finished-components/Castings/Forgings (c) The PO Qty, Issue Qty and DC-Qty are same and (d) Not involving addition of material through MIV for the same RS-NO. BHEL reserves the right to review the RS Number covered in the said List. BHEL will prepare Final MAS based on the Controlled- DC-Qty / SRV-Qty as applicable and sent to contractor through E-Mail. While submitting the Bill, the Contractor has to enclose the copy of Final-MAS.

(k) The contractor shall be bound by the accounts, statements acknowledgement of materials, BHEL material issue documents, receipts etc., wherever signed by their representative.

- 7.10 Return of any balance material to the applicable Stores-Ward at BHEL / Ranipet immediately after cutting plan approval.
- 7.11 Recovery towards non-return of balance material as per FMAS will be done as per Contract norms along with statutory taxes, duties & levies as applicable from any one of the running bills OR from other means of recovery available Hence, any correction after the issue of FMAS, the job work order will be treated as closed in all respects thereby any requests towards refund of recovery, if any, will not be entertained.
- 7.12 Wherever MAS not required to be submitted, in case if the material (CS/AS) to be recovered as per our MAS is within (+) or (-) 10 Kg and there is no material collection is involved, BHEL will prepare Final-MAS on suo-motto basis and Recover/Net-weight credit will be provided accordingly.
- 7.13 Please note that the Contractor is responsible for prompt material accounting and settlement of outstanding dues towards non-return of balance material. Repeated occurrence of inordinate delay in settling the material accounting / outstanding dues will entail BHEL the right to terminate the contract forthwith or to impose temporary suspension on further loading at the discretion of BHEL, Ranipet. Also in case of non-return of material or non-submission of material accounting statement, BHEL reserves the right to en-cash the Bank Guarantee / Fixed Deposit Receipt submitted by the Contractor and initiate legal action against the Contractor against this contract OR any other contract, in addition to the other means of recovery from contractor, available with BHEL.
- 7.14 The raw material issued to the Contractor as free issue shall remain the property of BHEL, Ranipet. The Contractor shall use the above material only for the execution of BHEL'S contract/addenda and for no other purpose whatsoever. The Contractor shall be responsible for the full value thereof to be assessed by BHEL, Ranipet whose decision shall be binding on the Contractor, The Contractor shall be liable for the loss or damage to such property while such property is in the possession or under the control of the Contractor, their employees, workmen, representatives or agents or any other person connected with the Contractor. The Contractor should execute an agreement in **Rs. 100/-** non- judicial stamp paper and maintain the secrecy of the design, know how of BHEL products.
- 7.15 All the materials of BHEL, Ranipet shall under no circumstance be hypothecated/leased/liened /encumbered to any bank or to any lending Institution or to any party whomsoever. It should

not also be shown as the Contractor's assets in any of the statements of the Contractor to any party.

- 7.16 The Contractor shall, whenever required, produce the materials supplied as free issue by BHEL, Ranipet in the form of raw material, semi finished or fully completed boiler components to BHEL officials visiting the Contractor's unit for verification purposes. If the Contractor fails to produce or properly account the material so issued, BHEL, Ranipet will have the right to take further action as deemed fit including recovery of the value of materials along with the respective administrative charges and statutory levies from the running bills of the Contractor (with BHEL, Ranipet and with other Units of BHEL) and also any or all of the actions such as, Suspension of business dealing, temporary suspension of loading, termination of Contract, holding the payment due etc., Similarly for the claim made by any units of BHEL (on account of such vendor) to the BHEL, Ranipet, the Bank Guarantee submitted to BHEL, Ranipet will be encashed.
- 7.17 As and when required/applicable, BHEL, Ranipet will transfer (or advice for returning under RSV) the balance material available including scrap size available for which PO/Issue Position (IP) is not closed, from one Contractor to the other contractor/other IP of the same contractor. For this, necessary credit will be given in material accounting, the material transfer emanating from Outsourcing, BHEL, Ranipet is to be honored by the Contractor within 15 days or otherwise recovery will be made at the prime material cost. Any difficulty for effecting such transfer shall be brought to the knowledge of OS/ BHEL, Ranipet officials immediately.
- 7.18 The Contractor is responsible for submission of CLEAR material accounting statement (MAS) i.e. ensure that all transactions are completed (including IUWTV/RSV, supplementary material collection, submission of cutting plan, etc) within 7 days from the date of completion of work order & failing, without prejudice to other rights under Contractor, law or otherwise, which MAS will be closed suo motto basis and recovery of the scrap/off-cut will be effected after adjusting of balance payment due to the Contractor from any of the running bills. Delay in settling the material accounting will entail BHEL the right to terminate the contract forthwith or to impose a temporary suspension on further loading at the discretion of BHEL, Ranipet.
- 7.19 For any IP if the total requirement of carbon steel plates of 5mm to 10mm thick is 20 kgs or less Contractors have to use the required material from the balance material of other work orders. However, these quantities will be adjusted as Net Weight Credit (NWC) during material accounting.
- 7.20 Raw materials will be loaded by BHEL, Ranipet either in lorries/trailers/ bullock carts and can be overseen by Contractor's representative at BHEL Stores / Shop. Shortage or variation in quantity, size and weight shall not be accepted once the material leaves BHEL, Ranipet Stores. Raw materials will be issued by BHEL, Ranipet, only after the receipt of necessary Bank Guarantee as per **Cl.22.0 and 23.0.**
- 7.21 Where an entity (whether a proprietorship, partnership, company, Hindus Undivided Family or otherwise) commits a default or breaches the Contract and the proprietor/ partner/ director/ member of such entity is also a proprietor/ partner/ director/ member of another entity that is registered with BHEL (in Ranipet or any other unit of BHEL), BHEL shall have the right to recover losses due to the default or breach, whether direct, indirect or consequential, either from the defaulting/ breaching entity or the other said entity or both. Such right shall also include the right to encash any security (in any form such as but not limited to bank guarantee, demand draft, FDR, etc.) furnished by either or both entities. Without limiting the applicability of the foregoing, it shall not be a defence to the other said entity for enforcement of such a right that:
- (a) Both entities are legally distinct/ separate entities, or

(b) The management of the entity/ partners/ directors/ members of such other entity were not aware that the proprietor/ partner/ director/ member of the defaulting/ breaching entity was also a proprietor/ partner/ director/ member of the other said entity.

7.22 The value of the materials and statutory levies towards non-return of off-cut/scrap wherever applicable will be calculated at the rate prevailing as on the date of accounting and demand thereof by BHEL irrespective of the date of failure for return of the off-cut/scrap by the Contractor.

7.23 For the Contractors who come under Cl.30.0 (B), the scrap arising out of the issued raw material shall be disposed off as per Cl.7.0.

7.24 For TAPH, Gates and Dampers jobs where generation of turnings and borings scrap is involved, the Contractor shall declare the quantum of turnings and borings scrap to be generated duly certified by OS and only 70% of the declared T and B scrap will be recovered as per Recovery Rate Schedule RS E44 to E46 with ED, ST and other statutory levies as applicable at the time of recovery. In these cases, no invisible wastage will be allowed in addition to the non-collectable scrap of 30%. However for SS turnings & boring being generated the Subcontractor has to declare 100% of the T&B generated and recovery as per RS E45 with ED, ST & other statutory levies will be made. In this case NO invisible allowance will be applicable. Balance material will be treated as offcut/ scrap as the case may be.

8.0 Surface Preparation: Surface preparation to a cleanliness level of Swedish Standard Protective Coating (SSPC) Sa 2 ½ (near white metal finish) i.e " Removal of loose mill scale and loose paint, to the degree specified, by the impact of abrasive blast propelled through nozzles or by centrifugal wheels. Near white blasted surface shall be free of all visible oil, grease, dirt, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining limited to not more than 5% of the surface area. Such staining may consist of light shadows, slight streaks or minor discolouration caused by stains of rust mill scale, or stains of previously applied paint. The surface preparation to Sa 2 ½ (near white metal finish) and immediate painting is to be done , only at the BHEL approved sources allocated by BHEL / with the approval of BHEL in case of self-blasting and painting

9.0 PAINTING: PAINTING CHARGES (Prime/Finished/Special Paints etc.) Payable Extra as per EXTRA RATE SCHEDULES available in OS Main Contract (In respect of works contract, GST please ref 29.0).

9.1 The finished/Semi-finished components shall be cleaned by power operated wire brush and painted with 25 Mic. Coat thick of zinc chromate Red Oxide /Zinc Phosphate primer as per QP/ QWIs/ CIS except for cases mentioned in Scope Code sheet, purchased from our approved paint manufacturer's list hosted with this tender as **Section VIII.**

9.2 Further, the fabricated components shall be legibly stenciled with the Firm Code, Project Name, Work Order Number, DU Number, Quantity, Weight, match mark No. etc. for identification and despatches as may be advised. Contractor Code number alone shall be punched using half inch letter punches and bordered with white paint suitably for easy identification. All the identification marks shall be coated with an overcoat of transparent varnish to protect against weather. In respect of works contract Sale Tax as per GST please refer **clause 29.0.**

9.3 However items made of non-ferrous materials like Bronze Aluminium, Copper, Stainless Steel, CAF, GP Sheets etc., need not be painted. All machined surfaces shall be protected with rust preventive oil. (No recovery will be made for supplying the items without painting, wherever painting is not required).

9.4 Rate is inclusive of one coat of red oxide zinc phosphate primer paint with dry film thickness (DFT) requirement of 25 microns. Provision of extra rate as per respective painting schedule for additional paint request, Trial assembly, gate testing and MPI charges if any, as per Extra RS of

- 10.0 Heat Treatment:** Whenever the heat treatment is done in BHEL the applicable ARC extra rate schedule rate for transport charges for the intermittent movement will be payable extra. And if the heat treatment is to be done elsewhere the applicable ARC extra rate schedule rate for Heat treatment along with additional transport charges will be payable extra. If the materials are delivered/collected by BHEL / BHEL approved transport contractor, no transport charge is payable.
- 10.1 However where heat treatment is done by the respective sources who have signed OS/ Annual Rate Contract exclusively for Heat treatment rate schedules, the charges for Heat Treatment will be directly paid to these suppliers against their job work order and respective Invoice. The contractors will be reimbursed TO and FRO transport charges by BHEL for movement of components between contractors and these sources as per respective Extra Rate Schedules.
- 11.0 UT/RT/HT/SR:** The Ultrasonic Testing, Radiographic Testing, Heat Treatment and Stress Relieving as called for in the drawing/QWI/JWO are to be carried out by the fabricator, through the approved agency of BHEL. Approved agencies are as per **Section–VIII**. For Charges for carrying out of the above operation is payable extra as per the extra rate schedules and allied To and Fro Transport charges are also payable extra as per the respective extra Rate Schedules. In case there is no approved agency near vendor's works, vendor may locate suitable agency for RT, MPI, LPI, SR and UT and get them approved by BHEL before commencing the job. For such approval, the agency has to fill up relevant Vendor Registration Form available with BHEL.
- 12.0 EXTRA RATES FOR CONVERSION:** In a situation where flats of various sections called for in the assembly are not available, plates will be issued for conversion into flats. Also, you may be required to convert channels/angles to another size for which extra charges are payable (as certified by OS officials based on certification made in the IR) for the net weight of finished section as per the Extra Rate Schedule No. Conversion charges from plate to flats will be paid even if the BOM reads the description as plates, which are to be cut in to flats for (1) Grating Assembly (RS NO. AF08, AF09) and (2) Baskets of APH-Heating Elements Assembly(RS NO. R151, R152 & R157). No extra rate is allowed for LPI.
- 12.1 whenever substitution are offered which involves higher / lower work content, the charges shall be paid extra/ recovered as the case may be.
- 12.2 In case any additional joints made over and above the joints called for in the Drawing in Structural, Plates and Sheets with prior approval of BHEL owing to the non-availability of required size of raw materials, extra charges will be paid as per the extra Rate Schedules. Rate includes LPI charges wherever called for.
- 12.3 For all jobs wherever optional joints are mentioned in the drawing, no extra rates are permissible. For Ducts no extra rates are permissible for joints.
- 13.0 TRANSPORT CHARGES :** Tender calls for the offers on F.O.R-Destination basis (ie. Freight charges inclusive in the quoted price), hence No Transport Charges payable extra for the Raw Materials / Components collected from BHEL and return of finished items vice-versa.
- 13.1 Incase of transfer of raw material/semi-finished items from one vendor to another vendor, through IUWTV, the responsibility for collection of materials including the cost of transportation and handling etc.. shall rest with Second Vendor (fabrication vendor dispatching the finished goods).

- 13.2 No extra charges towards transport will be allowed for multiple collection & deliveries (due to various reasons including 1. Part-qty available for collection, 2. Part-qty required to be delivered by vendor.
- 13.3 **Additional Transport Charges:** Transport Charges incurred by the vendor for any special intermittent operations other than specified in the Rate Schedules or any additional movement requested by BHEL officials in writing, the transport charges payable extra as per the Extra Rate Schedules available in Main OS contract.
- 13.4 For return of PDO materials thro RSV (PDO other than reasons u/cl.7.2 like issue of faulty materials, non suitable materials, any drawing revision etc), TO & FRO transport charges as per applicable extra rate schedule shall be payable extra.
- 13.5 The Rate payable against the Extra Rate Schedules are inclusive of Toll charges, if any.
- 14.0 Recovery of Transport Charges:** If the materials are delivered/collected by BHEL/BHEL approved transport contractor when the scope of transport is with vendor, the freight charges incurred by BHEL will be recovered from the vendors.
- 14.1 If Purchase Order is placed with delivery destination other than BHEL-Ranipet, the respective transport charges for delivering the finished job is to BHEL's Account and the amount of transport charges (already included in the rates finalized for the RS) for delivering to BHEL-Ranipet is deductible.
- 14.2 **Dispatch of finished goods Direct to Site (DTS):** Wherever necessary, BHEL may advise fabricators to dispatch finished goods directly to site with transport charges to BHEL's Account. The scope includes loading of finished products on truck for dispatch to respective BHEL-site offices/BHEL's-Customer. In such cases the cost of transportation from Contractor's works to BHEL,Ranipet, not incurred by the vendor shall be recovered from the vendors.

For all the above, the recovery of Transport Charges are as given in the following table. The existing rates are indicated below for reference purpose. Tender floated for finalizing new rates and the same will be applicable for this contract.

SL	RS-NO	Destination Distance from Vendor Works	Amount of Deduction in Rs./MT
1	E07X	0-100 Kms	1200
2	E07Y	Above 100 & up to 350 Kms	1500
3	E07Z	Above 350 & up to 450 Kms	1750

- 15.0 EXTRA RATE SCHEDULES:** Rates for the special requirements like Special Painting, Heat Treatment, Transport Cost for Intermittent Operations etc. other than RS specified in this tender are to be finalized through Main - OS Rate Contract and will be adopted for this contract also according to the requirement. The finalized Extra Rate Schedules will be given to the LDPP vendors at the time of signing the contract.
- 15.1 PAYMENT FOR EXTRA CHARGES :** 100% Payment will be made for extra charges against Invoice supported by acknowledged Delivery Chelan and Inspection Report (IR) issued by BHEL Inspector/agency.
- 16.0 SAFE DELIVERY:** The Contractor shall do at his cost the necessary packing for easy & safe handling and transportation as per BHEL drawing wherever specific packing arrangements are applicable and normal packing for the other items required for transit by rail/road transport wherever necessary.
- 17.0 TERMS OF DELIVERY:** The price should be on "F.O.R- BHEL Stores, Ranipet" basis only (Inclusive of packing, forwarding and freight charges).

The finished machining / fabrications on acceptance by BHEL, Ranipet inspector or by their authorized inspection agency shall be delivered to BHEL, Ranipet Stores / Shipping immediately.

18.0 TECHNICAL REQUIREMENTS :

- 18.1 The machining / fabrications shall strictly confirm to the dimensions and tolerances indicated in the drawings/QWI. Care must be taken to adhere strictly to the NOTES given in the drawings/Contract. It should be ensured that actual dimensions, and deviations if any, are recorded properly in the D.R. books and preserved at least for 5 years. The same shall be made available to BHEL Officials or their authorized agencies.
- 18.2 Any other work carried out outside the requirements of drawings/QWIs shall have the prior approval of the competent authority of Outsourcing / BHEL, Ranipet.
- 18.3 Adequate facilities like welding equipments, baking oven, handling facilities and measuring instruments as called for, must be available duly calibrated and kept with the Contractor for the manufacture of boiler components. All the above basic machining / fabrication facilities/equipments must be under working condition and the same be made available for verification by the BHEL officials or their authorized agencies whenever they are called for.

The instrument/gauges are to be calibrated periodically as follows:

Sl.No.	Type	Periodicity
01	Measuring instruments / gauges	One year
02	Limit Gauges (Eg. Plug/ring)	One year
03	Temperature , Pressure gauges	6 months
04	Measuring Steel tape	Once

Calibration status shall be displayed at the Contractors works in a conspicuous location. Calibration can be performed either at BHEL or at any Govt. approved labs traceable to National Standards.

- 18.4 For various Rate Schedules, the manufacturing, handling and testing facilities requirement as specified by BHEL from time to time shall be available with the Contractor.
- 18.5 Only the right kind of matching welding electrodes shall be used as called for in the drawings/QWIs after necessary baking and pre-heating mentioned in QWI. Welding electrodes shall be sourced only from approved vendors as per **Section-VIII**. The electrodes shall be suitably baked and preheated wherever applicable before use in addition to the general precautions that may be applicable for all electrodes in storing, etc.
- 18.6 Welding to be carried out by Qualified Welders and as per BHEL Approved Welding Procedure Specification (WPS). Necessary raw material for conducting the pre-production test will be supplied by BHEL as supplementary materials. The welder qualification and welding procedure will be done by QC, BHEL or by their authorized agency.
- 18.7 All welds of Submerged Arc Welded components shall be carried out by certified welders and shall be dye-checked for root and by MPI for final welding.

19.0 INSPECTION:

- 19.1 Inspection of fabrications/Machinings (conversion work) shall be by BHEL Quality control department and/or by the customers and/or by an agency or persons authorized by BHEL, Ranipet at the Contractor's works including Self Inspection firms. Selected firms shall be approved by competent authority authorizing self-inspection. The concerned Engineer/supervisor/Authorized Official of the firm authorized by the firm to carry out all Inspection activities and their authority/activities shall be on par with any other Inspection agency approved by BHEL (like TUV/IRS/INTERTEK etc.,). All facilities and equipments,

calibrated instruments like tapes, thread checking gauges upto M20, and bore dial gauges and bits up to 100 mm. and standard gauges required for inspection shall be provided by the Contractor free of cost.

- 19.2 BHEL representatives/authorized agencies will have free access to the Contractor's works at any time during the execution of job work orders as well as for verification of requisite documents/materials. (The requirement of Customer approved quality plan will be indicated in the PO/Addenda).
- 19.3 The semi-finished components are deemed to have been accepted as ready for delivery only after IR is released by the Inspecting Agency.
- 19.4 Statutory inspection requirements such as IBR/External Inspection agency requirements if any, are to be met by the Contractor.
- 19.5 The paint quality will be checked by BHEL Ranipet at regular intervals. Samples will be collected from vendor works and will be tested at BHEL to ensure quality as per relevant standards. In case of discrepancy in meeting our specification the job may be rejected/vendor may be put under suspension of business

20.0 PAYMENTS :

- 20.1 Payment will be made for IP wise 100% for the supplies made against submission of Vendor invoices in duplicate to Finance section furnishing the job work order Sl. No., W.O., IR & DC No. along with IR, giving details of work carried out as per Extra Rate Schedule applicable, if any supported by
- (a) Stores Receipt Voucher in case of Stock Work Order items.
 - (b) Delivery challan acknowledged by BHEL Stores.
 - (c) Inspection Report (IR)
 - (d) If the claim is made for more than one job work order Sl. No., only one invoice have to be submitted with annexure giving the above details.
 - (e) Contractor MAS with challans duly signed with seal in part II applicable as per **Cl. 7.9 (j).**
 - (f) Invoice to be submitted along with FMAS and Controlled DC for Rate Schedule for 'CNC Gas Cutting' (RSNO starting with "CG") and 'Machining of Shaft Pins' (RSNO starting with "FS").
 - (g) Wherever finished goods are dispatched directly to site (DTS) from fabricators works as per BHEL instructions, necessary formalities to be followed as per BHEL conditions stipulated from time to time. Also in such DTS cases, the documents like copy of DC, Lorry Way Bill etc shall be submitted along with their invoices for payment purposes.
- 20.2 The amount due to BHEL, Ranipet, if any, will also be recovered from the Contractor's running bills. No request for the refund of penalty/recovery will be entertained after final material accounting is done. Payment will made only through 'Electronic Fund transfer/RTGS Transfer'. Acceptance for the same may be submitted in the prescribed format if not done already.
- 20.3 Owing to the substitution, if the raw material weight changes over and above (+) or (-) 5%, the conversion cost for the difference in weight shall be paid/recovered prior to the issue of FMAS. Since payment is made for notional design weight, any correction issued for the design weight after processing the original invoice, Contractor is entitled to raise another invoice for the difference in weight without any other supporting document except the copy of the original invoice.
- 20.4 Payment will be restricted to two bills per Work Order or Job Work Order Sl. No. only (Except for Items covered under **Cl. 7.9(j).** GSTas applicable for Contractor's covered under **clause**

30.0. can be claimed along with documents / certificates mentioned therein. However, one more bill per month against any one of the pending Work Orders will also be permitted as a special case and this should have the prior approval by competent authority.

- 20.5 The Contractor shall ensure that ALL claims including extra charges, if any, as per Cl. 4.0 are made against the particular work order before the issue of Final-MAS since we will not be able to reopen the case after issue of Final-MAS.
- 20.6 The payment shall be subject to the deduction of any amount for which the fabricator is liable indirectly under this contract or any other contract of the fabricator or any other fabricator's contract where the proprietor / any of the partners / directors of the present fabricator is / are proprietor/director/s/partner/s, in respect of which BHEL / Ranipet is a contractee.
- 20.7 Request for delivery extension is to be made if there is a valid reason, in the format for that particular job work order Sl. No., failing which liquidated damages will automatically be levied as per **Cl. 25.0**. No request for extension/refund of penalty will be entertained there after.
- 20.8 Payment will be made in about 45 days after receipt of valid invoices raised in accordance with **Cl. 20.1** and supported by full set of necessary documents at Accounts Department. No interest shall be payable by BHEL on any money due to the Contractor by BHEL.
- 20.9 For the purpose of payment, only the unit rates are to be considered based on the RATE SCHEDULE NUMBERS. The description of the item is only indicative and it is not binding. Any description given in the item column is only for the purpose of clarity for manufacturing the item. (the description may change designer to designer and/or drawing to drawing).

21.0 PROGRESS REPORT:

The Contractor shall submit progress report from time to time and also discuss with our officials concerning the progress of the work and commitment as may be required by BHEL, Ranipet. The submission, receipt and acceptance of such reports shall not prejudice the rights of BHEL, Ranipet under the Contract nor shall operate as an estoppels against BHEL, Ranipet merely by reason of the fact that they have not taken notice of/or objected to any information contained in such reports. Action as deemed fit will be taken if the progress of the work is not satisfactory.

22.0 BANK GUARANTEE :

- 22.1 The Contractor shall execute a Bank Guarantee to a specified value **not less than Rs.5 Lakh** (Minimum Rs.5 Lakh) from any one of the Scheduled or Nationalized banks on behalf of the Contractor for the safe custody of the materials supplied by the BHEL, Ranipet as free issue and for the satisfactory performance of the Contracts. The guarantee shall be executed on a non-judicial stamp paper or value Rs. 100/- as per our standard Bank Guarantee clauses and shall be kept valid for the full contract period & Claim period of additional THREE MONTHS over the contract period and extensible till final settlement of supply and payment **and BG to be submitted directly by Bankers to BHEL in a Standard format as per Section XII. BG format will be given by BHEL and it has to be filled in that format only.**
- 22.2 **Bank Guarantee value for the Rate Schedules SN01, SN02 and CP02 is Rs.50000.00 only if vendor is opted for this Rate Schedule alone.**
- 22.3 In place of Bank guarantee, Fixed Deposit Receipt (FDR) drawn in favour of BHEL, Ranipet can also be furnished. **In any case BG/FDR shall be available at the time of signing the contract.**
- 22.4 The Bank Guarantee should cover the recoveries to be made by BHEL towards Safe custody of Material Supplied , Scrap / Faulty workmanship, etc. also for which proper material accounting is not made within the stipulated time and shall cover all Contracts past, present and future placed / to be placed by the BHEL, Ranipet. If the recovery amount is more than

the pending bills, the difference amount to be settled immediately submitting Demand Draft in favour of BHEL/ Ranipet.

- 22.5 Loading on the vendor shall be restricted in such a way that the value of the materials to be issued and the stock of BHEL materials already available with the vendor.

23.0 BANK GUARANTEE NORMS ;

- 23.1 Necessary Bank Guarantee(BG) / Fixed Deposit Receipt(FDR) should be furnished. The Bank Guarantee value applicable for the Firm is indicated in **Section XII** enclosed. The BG shall be kept **valid through out the contract period PLUS 3 Months as claim period** and must be renewed in-time. It is also to be noted that the BG for the value indicated for each Firm shall be made available with BHEL at the time of entering into ARC, failing which Firm will not be considered.

The required Bank Guarantee shall be submitted with in 15 Days of finalization of the contract, else the non submission of BG will be treated as " *not honoring his own offer or any of the condition* " stated/agreed in the tender and declared fit for taking penal action by BHEL as per "*Suspension of Business dealings vide Clause R of section IV*"

- 23.2 The release of Contract by BHEL, Ranipet shall be on the strength of Bank Guarantee for the safe custody of raw materials issued by BHEL, Ranipet as free issue in line with **CL. 22.1.**
- 23.3 Based on the capacity declared by the firm, the Sub-contractor may decide the maximum BG value over the base BG value, and the same shall be submitted to BHEL before ordering.
- 23.4 **BG shall be given by bidders for 50% of value of materials** to be issued to the vendor against Job Work Order. The value of materials shall be as per BHEL calculation, which is final.
- 23.5 JWO / Loading on the vendor shall be restricted in such a way that the value of the materials to be issued and the stock of BHEL materials already available with the vendor together do not exceed the value of BG at any point of time.
- 23.6 BHEL reserves the right to increase the value of BG/FDR depending on the material availability with the contractors from time to time. For placement of PO/addendum, if available BG is short of the required BG value, the same will be intimated to the vendor to submit additional BG. The vendor shall arrange for the required BG within 15 days from the date of receiving such intimation from BHEL. If the vendor does not submit the required BG within 15 days, then the loading quantity may be reduced / diverted to other firms. After completion of that particular order, the vendors can request for return of BG (other than base BG) and the same shall be considered by BHEL.
- 23.7 The base BG shall be returned by BHEL after 90 days from the date of final bill submission or ARC validity period whichever is later.

24.0 GUARANTEE OF FABRICATION / MACHINING :

The Contractor shall warrant that the conversion work comply fully with the drawings and other technical conditions. If the jobs are found defective owing to reasons attributable to the vendors like faulty workmanship / incomplete work within a period of eighteen months from the date of handing over to BHEL, the Contractor shall make good of it / replace the same free of cost. Alternatively, the rework / replacement charges will be recovered from the Contractor.

25.0 LIQUIDATED DAMAGES and RISK PURCHASE:

- 25.1 The semi-finished jobs/fabrications on acceptance by BHEL, Ranipet inspector or by their authorized inspection agency, shall have to be delivered to BHEL, Ranipet Stores / Finishing Bay immediately on or before the delivery date stipulated in the addendum. Where the Contractor supplied the finished machining / fabrications beyond the delivery date stipulated in the addendum, liquidated damages at the rate of **1½%** of the value (Conversion Cost) of the assemblies delayed for each week or part thereof will be levied subject to a maximum of

10% value of the particular Work Order in the addendum to the Contract without prejudice to any other relief or compensation to the BHEL, Ranipet under any other conditions of the Contract.

- 25.2 Further, BHEL, Ranipet will get these items fabricated elsewhere, without notice to the Contractor on the account and at the cost and risk of the Contractor, the jobs not so delivered without canceling the Contract in respect of installments of machining / fabrications not yet due for delivery or cancel the Contract or a portion thereof and, if so desired, fabricate elsewhere at the cost and risk and account of the Contractor. Any additional expenditure incurred by BHEL on this account shall be recovered from the Contractor.
- 25.3 In general, delivery period for each JWO shall be 3 Months from JWO Date/Last material clearance date including further materials, whichever is later. However actual delivery shall be fixed by BHEL for each JWO on project requirement and product lead time.
- 25.4 Where delivery extension is sought with waiver of penalty, the same should be applied to OS with justification and approval to be obtained before submission of bills and two copies of such letters (One for Accounts & One for OS Department) are to be enclosed along with all the bills. Failure to comply with this requirement will result in recovery of penalty while processing the bills for payment as stated in **Cl. 25.1** from the same bill and no claims for refund of liquidated damages will be entertained there after.
- 25.5 Reasons like power cut, Labour Issue, Machine Break-down etc., which are controllable by the vendors shall not be accepted as reasons for delay for delivery extension purposes. No compensation shall be given to the Contractors, in case of cancellation/diversion of POS beyond the delivery Due Date, even if the Jobs have been processed partly.

26.0 ACTION AND COMPENSATION IN CASE OF BAD WORKMANSHIP:

If any work has been executed with unsound, imperfect or bad workmanship or with materials of inferior quality, the Contractor shall on demand in writing from BHEL specifying the work, material/articles complained of, notwithstanding that the same may have been passed, certified and paid for, forthwith, rectify the work so specified in whole or in part as the case may require, at their own cost and in the event of his failure to do so within reasonable period. BHEL will rectify or remove and re-execute the work at the risk and expense of the Contractor.

27.0 COMPENSATION AGAINST DAMAGE OF MACHINERY/TOOLS AND GAUGES SUPPLIED:

- 27.1 BHEL reserves the right to claim adequate compensation from the Contractor on account of any damage caused to the machinery / equipment / tools and gauges supplied to them for execution of work, due to careless or faulty handling or negligence on the part of the Contractor. The total cost of recovery will be decided by BHEL.
- 27.2 BHEL shall have general supervision and direction over the work, BHEL has the authority to stop the work, whenever such stoppage may be necessary to ensure the proper execution of the Contract. BHEL shall also have the authority to reject all the works which do not confirm to the specification, to direct the application of forces to any portion of the work as, in their judgment is required, and order the force increase or decrease and to decide on the issues which arise in the execution of the work.
- 27.3 BHEL reserves the right to suspend the work or part thereof put a hold on further loading to the Contractor at any time for any reason at its discretion and no claim whatsoever on this account will be entertained.

28.0 SUBLETTING :

- 28.1 The Contractor shall not sublet or assign this Contract or any part thereof without the written permission of BHEL, RANIPET. Subletting or assigning this Contract or any part thereof without such permission BHEL, Ranipet shall be entitled to cancel the Contract and to execute the conversion work elsewhere at the risk and cost of the Contractor and the Contractor shall

be liable for any loss or damage which BHEL, Ranipet may sustain in consequence of or arising out of such machining / fabrication elsewhere and also cancellation of registration/temporary suspension of further loading.

- 28.2 However, if the PO/PGMA loading demands part processing / Special Process (like Heat Treatment, Machining, Bending, Shearing, Threading, etc..) of certain items at, other BHEL OS-approved Contractor's works, the same may be allowed with the prior permission of BHEL in writing, indicating the period of returning.
- 28.3 The vendors will be allowed to indicate alternate sources for carrying out these intermediate operation, wherein the said other sources shall seek approval from BHEL for carrying out these operations.
- 28.4 "Movement of BHEL materials from our Contractor's premises to any other Firm(s), if necessary, for the purpose of production related work shall be documented properly, signed by the sender & receiver and the same to be authenticated by the concerned OS official, otherwise such materials will be treated as shortage by Accounts".
- 28.5 These intermediate operations are to be carried out only at the approved sources and addition/deletion to this list will be indicated to the vendors then and there.

29.0 TAXES AND DUTIES:

- 29.1.1 Taxes and duties as applicable from time to time, shall be paid extra over the quoted rates. (as per latest GST guidelines)
- 29.1.2 Vendors should provide a valid GST registration number and the same should be clearly mentioned in the offer. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer. Vendor should get themselves registered and obtain a valid GST registration number as per the GST guidelines
- 29.1.3 In case any changes in GST guidelines as per Gov. Notification , the same shall be applicable from time to time.
- 29.2 Taxes applicable if any will be reimbursed at actual on submission of necessary tax invoice mentioning the GSTN registration number and proof of payment to the statutory authorities.
- 29.3 BHEL will recover applicable GST along with cost of prime material, off cut, scrap including Turning & Boring (T and B) **as per clause 5.1** at the time of finalizing MAS wherever the property in the goods passed on to the Contractor. An Invoice will be issued under relevant rules of GST.
- 29.3.1 Wherever GST is claimed by Contractor as above BHEL shall reimburse the applicable GST presently @ 12% against submission of the following documents:-
- i. GST Registration Certificate
 - ii. Original Tax Invoice (as per GST Rules)
 - iii. Certificate for payment of GST
 - iv. Abstract of GSTR-I & GSTR-3B or any other returns as prescribed from time to time
- 29.4 In case BHEL is not able to get input Tax credit (ITC) for the payment made by vendor for any of the reason attributable to vendor , the same shall not be reimbursed/recovered from the bills/claims of the vendor (if reimbursed). GST TDS deduction at such percentage as prescribed under GST Law from time to time will be made on the value of invoices
- 29.5 Income Tax deduction and surcharge on IT at source at such percentage as prescribed in the Income Tax Act from time to time will be made on the value of the invoices in the absence of Income Tax Exemption Certificate from the concerned Income Tax Officer received and submitted by the Contractor. Contractor has to submit photocopy of PAN Card along with

original for verification.

- 29.6** All statutory documents required for execution of contract to be finalized against this enquiry and required from time to time by State/central Govt. Authorities shall be submitted to BHEL, failing which appropriate recovery/actions as deemed fit will be levied from the running bills of the contractor.
- 29.7 Contractors are exempted from payment of GST as they are job workers as prescribed under Section 143(1) of GST Law as amended from time to time for the purpose of free issue of raw materials/semi finished goods to them for carrying out necessary operation and return the finished components without payment of duty to the BHEL RANIPET's factory for further processing. This is subject to subsequent statutory modifications and amendments in force from time to time. Contractors shall comply with the requirements of the said Section and also rules made under GST LAW. This is subject to subsequent statutory modifications and amendments in force from time to time. Besides, Taxes, duties, levies and any other govt. special levies as applicable from time to time, through notifications/amendments to original notification/orders, during the tenure of the rate contract, shall be extra as applicable against valid documentary evidence. Any increase or decrease in this regard will be effected accordingly against valid documentary evidence.
- 29.8 The required raw materials will be issued under the cover of Delivery challan as prescribed under GST Law. The Contractor receiving the materials under above said challan (2 Copies) have to complete the work order and return the finished components and scrap under the cover delivery challan issued by BHEL within 3 months from the date of first issue of materials unless otherwise extended by BHEL and all materials shall be fully accounted for in FMAS. For this purpose Duplicate (ONE) copy of all the Challan shall be returned back to BHEL after duly signing in with seal with FMAS and DC copy. If the materials are not returned/ fully accounted for within three months or such extended period as may be allowed by BHEL, any financial implication on BHEL will be recovered from the Contractor's bills.
- (i) In case of failure of non submission of challan due to reasons not attributable to Contractor, (like non matching of materials, hold informed by BHEL, delay due to cycle time etc.,) is to be intimated to BHEL every month by the Contractor.
 - (ii) Incase of direct dispatch to customer site (or) returning of material back to BHEL store, necessary GST formalities have to be complied with by Contractor and also necessary records as per GST Law have to be maintained by the Contractor.
 - (iii) FMAS is to be prepared immediately on dispatch in all cases based on which applicable GST on scrap/Off cut will be recovered from Contractor and paid to GST Dept.
 - (iv) BHEL, RANIPET will not be responsible for payment of any taxes and duties wrongly paid on account of ignorance of law or otherwise and also duty paid at a later date based on litigation.

30 GENERAL :

- (a) BHEL reserves the right to recover the dues if any, from the contractor from any one of the running bills of this contract or any other contract with the contractor or from any other division of BHEL. Vendors disqualify themselves to be an approved vendor of BHEL, in the event , it is found that they carryout activities / business which are in direct competition to BHEL business and accordingly they will be delisted. Vendors / Firms indulging in business practices detrimental to BHEL, will be severely dealt with by the due process of law. In addition to the above conditions the following specific conditions also bound under this contract.
- (b) It is preferred that the Proprietor/Managing Partner/Director as applicable to the company should be easily accessible to BHEL official for day to day interaction and to have the

residence within 30 KM from BHEL/BAP for the firms located in and around Ranipet. Any change in the constitution of the Contractor's unit or in shifting of works to a new location, the same shall be made only after getting specific approval from Outsourcing BHEL RANIPET. Any deviation found later will be dealt with as deemed fit including cancellation of registration. Also change of Banker requires the prior approval of BHEL, Ranipet.

- (c) Partnership firms should have the latest Form A (Rule 5) Declaration filed with the Registrar of Firms and private Limited firms should have the current MOA and the copy of the same should be produced at the time of signing the Contract.
- (d) The Contractor is liable for all statutory obligations, including but not limited to taxes and duties, ESI, PF, GST, Labour Acts, Factories Acts, Workmen Compensation Act, etc., for their workers. BHEL, RANIPET will have no liability in respect thereof. Notwithstanding the above, if any demand notice is served by the concerned Statutory authorities for recovery of any of their dues on BHEL, BHEL shall have the right to pay the same without notice to the Contractor and recover the same plus administrative charges of 15% of such amount from the Contractor either from the pending/future bills of the Contractor or otherwise. Such act of repeated default is liable for suspension/stoppage of further business till such time the default/violations get vacated. Notwithstanding anything to the contrary, BHEL shall not be liable for any penalty or interest imposed by any statutory authority due to the action of the Contractor or his employees, workers, agents, etc. .
- (e) The Contractor has to devise suitable scheme whereby the employment of child labour should be regulated in line with the child Labour Act (prohibition and Employment Act 1986).
- (f) All the safety precautions and use of safety equipments are to be followed while carrying out the fabrication and despatch of the same. The Contractor must have proper tools and handling equipments. There should always be a responsible person available at the Contractor's works to oversee the operation and compliance of safety regulations. If any non-compliance with respect to proper safety conditions/requirements, BHEL may withhold visit/inspection, instruct stoppage of work till such time the desired safety requirements/conditions are met with.
- (g) All the documents (Inclusive of Drawings, GMS and Standards) of BHEL made available to the Contractor should be kept in a strict confidence and under no circumstance be made available to others or allow others to make use of them for any other commercial purpose whatsoever. This secrecy clause is binding on the employees of the Contractors also. Any contravention will be subjected to legal action besides suspending business with BHEL. Such documents should be returned to the BHEL, RANIPET destroyed with the prior approval of Outsourcing, BHEL, RANIPET.
- (h) Unauthorized act of engagement of any individual who is a full time employee of BHEL for part time/full time work by the Contractor will be viewed very seriously and such act is liable for suspension/total stoppage of further business dealings with the Contractor by BHEL, RANIPET.
- (i) Should a Contractor has a relation or relations in the case of a firm or a company of the Contractor, one or more of its shareholders or relation or relations of the shareholders employed in BHEL or any ex employee who has retired/resigned within a period of two years as on date of the Contract or at any subsequent date after award of this contract, BHEL shall be informed of the fact at the time of signing the contract and thereafter as applicable and obtain the permission of BHEL for such engagement, failing which BHEL may in its own discretion rescind the contract.
- (j) The Contractor shall not attempt any unethical acts and if they are found indulging in such acts, they are liable to be blacklisted apart from other actions. Contractors indulging in any

business practices detrimental to BHEL either directly or Indirectly, will be dealt with severely by the due process of law.

- (k) In case of any internal dispute of the Contractor, such as but not limited to disputes between partners of the Contractor, dispute between Contractor and its employees, the same shall be intimated to BHEL within One Month from the date of dispute. Notwithstanding anything to the contrary, BHEL shall not be made a party any suit or legal proceeding in respect of such internal dispute. In case BHEL is made a party to the same, the Contractor and other party(ies) to the dispute, if signatories to this Agreement, shall indemnify BHEL for (a) all direct and indirect costs expended towards such legal proceedings immediately on the issue of a claim notice to that effect from BHEL and (b) any liability that may be imposed in such legal proceedings against BHEL.
- (l) Payment for all the invoices shall be effected by a crossed A/C payee cheque /EFT/RTGS in favor of the Banker which should be indicated in all invoices of the Contractor.
- (m) In order to ensure safe custody of our materials, leasee of those firms under lease shall ensure that their lease period is valid for minimum of 3 years (from date of signing the contract).
- (n) In addition to the above, our standard General Conditions enclosed shall also apply.
- (o) The entire terms and Conditions contained in this tender shall be deemed to form an integral part of the Contract to be entered.

31.0 VACANT

32.0 BHEL reserves the right to :

- (a) Negotiate with the Contractor who has submitted the Lowest offer for "Payment Rate Schedules" and Highest offer for "Recovery Rate Schedules"
- (b) Distribute the requirements on more than one contractor at the Lowest (for Payment RS) / Highest (for Recovery RS) acceptable rate.
- (c) The rates and other terms and conditions in this contract are applicable for the job work orders likely to be placed by other Departments/Units of BHEL also, for similar items.

33.0 Primary e-Mail ID: Contractors are requested to indicate their own email-Id as "Primary e-Mail-ID", which will only be used for all correspondences (like for MAS and Payment etc..)

34.0 Integrity Pact: Integrity Pact forms part and parcel of the contract and firms have to fill in all necessary details in the format **Annexure-H** and submit duly signed along with the offer in separate cover for our verification and records.

Non submission of Integrity pact along with the tender will disqualify the Contractor taking part in the Rate Contract tender.

35.0 Arbitration and Jurisdiction:

- (a) Any dispute between BHEL and the Contractor arising out of or in connection with this Contract, other than those for which BHEL decision is final, shall be referred to arbitration by a sole arbitrator.
- (b) The parties hereto agree that the Sole Arbitrator shall be the Unit Head of BHEL, BAP, Ranipet or his nominee. The venue of Arbitration shall be Ranipet, Tamil Nadu. The arbitrator may hold meetings for convenience at such places as per his discretion.
- (c) The award of the Arbitrator shall be final, conclusive and binding on both parties to the Contract.

- (d) Subject to the above, the courts at Ranipet alone have the jurisdiction to decide any dispute arising out of or in respect of the Contract.

Vendors are requested to quote only for the Rate Schedules/Group of Rate Schedules applicable to their firm as per the Technical Bid (**Annexure-C-Technical Bid**) and Price Bid format (**ANNEXURE-D-BOQ**) enclosed.

The offers should be submitted as detailed in **Section I to Section XII and Annexures A to K**

BHEL, Ranipet is not responsible for any type of delay in receipt of tender.


BHEL, Ranipet reserves the right to reject any or all the tenders either in full or part thereof at their discretion without assigning any reason thereof.

Thanking you,

Yours truly,

For and on behalf of
BHARAT HEAVY ELECTRICALS LIMITED,

SDGM/OS (Planning & Contracts)

	Bharat Heavy Electricals Limited (A Government of India Undertaking) Boiler Auxiliaries Plant, Ranipet – 632 406	☎: 04172-284030, 284158, 241170,
AN ISO 9000 COMPANY	OUTSOURCING DEPARTMENT	E-Mail : bsmanian@bhel.in ssvasan@bhel.in
Enquiry No	661001E	Due Date & Time for submission of offers By 10.00 Hrs On 24-Jan-2022
Enquiry-Dated	10.01.2022	Date & Time of Tender opening By 16-00 Hrs On 24-Jan-2022
<p style="text-align: center;"><u>SECTION III</u></p> <p style="text-align: center;">Technical Description and Rate Schedules Classification</p> <p style="text-align: center;">OS-LDPP Annual Rate Contract 2022-23</p>		

Scope of the enquiry is to finalise the Rates for entering into Annual Rate Contract for the year 2022-23 for Machining / Fabrication / Chrome Plating / Nitriding / Assembly of jobs for Boiler Auxiliaries components like APH (Air-Pre Heater), ESP (Electrostatic Precipitators), FANs (Industrial Fans), G&D (Gates and Dampers), Chimney, Bunkers, CHP(Coal Handling Plant), AHP(Ash Handling Plants), WEG(Wind Electric Generator), Desalination, Fabric Filters etc..in accordance with the Technical Specification/BHEL Engineering Drawings/Quality Documents out of materials/components to be supplied by BHEL/Ranipet as free issue.

The requirements are given in the form of Rate Schedules (RS). Each Rate Schedule contains Rate Schedule Number, Description of the operation to be carried out and other quality requirement with relevant Drawing Number, Unit and Quantity Anticipated in 2019-20 for ordering.

Rate Schedules: Total Rate schedules given in the tender are **680**. For Fabrication/ Machining/ Special operations, there are **677** Rate Schedules available. For recovery of Turning and Boring scrap there are **3** Rate Schedules available.

Grouping of Rate Schedules: Total **677** Rate Schedules are categorized under 17 Category and each Category contains Group of Rate Schedules. Category and Groups are made based on the similar nature of work content and common manufacturing facilities required to carryout the operations on each Rate Schedules available in the Group.

Total Groups given in the tender is **80** .Some Groups may have many numbers of Rate Schedules and some Groups may have only few numbers of Rate Schedules according to the nature of the operations required.

The Category of the Rate Schedules are as follows.

1	HEAVY FABRICATION	HF	HF0002, HF0004 (2)
2	HEAVY FABRICATION SPECIAL	HF_SPL	HFSP02 (1)
3	HEAVY FABRICATION AND HEAVY MACHINING	HF_HM	HFHM02 (1)
4	HEAVY FABRICATION AND LIGHT MACHINING	HF_LM	HFLM01, HFLM02 (2)
5	FABRICATION AND MACHINING SPECIAL	FAB_MACH_SPL	FMSP01, FMSP02, FMSP03, FMSP05, FMSP07, FMSP08, FMSP09, FMSP10 (8)
6	HEAVY MACHINING	HM	HM0001, HM0002, HM0003, HM0004, HM0005, HM0006 (6)
7	HEAVY MACHINING SPECIAL	HM_SPL	HMSP01, HMSP02, HMSP03, HMSP04, HMSP05, HMSP08, HMSP09, HMSP10, HMSP11, HMSP15 (10)
8	LIGHT FABRICATION	LF	LF0001, LF0002, LF0003, LF0004, LF0005, LF0006, LF0007 (7)
9	LIGHT FABRICATION AND LIGHT MACHINING	LF_LM	LFLM01, LFLM02, LFLM03, LFLM04, LFLM05, LFLM06, LFLM07 (7)
10	LIGHT FABRICATION SPECIAL	LF_SPL	LFSP02 (1)
11	LIGHT MACHINING	LM	LM0001, LM0003, LM0004, LM0005, LM0006, LM0007, LM0008, LM0010, LM0011, LM0012, LM0013, LM0014, LM0015, LM0016, LM0017, LM0018, LM0019, LM0020 (18)
12	LIGHT MACHINING - CNC	LM_CNC	LMCN01, LMCN02, LMCN03, LMCN04, LMCN05, LMCN06, LMCN07 (7)
13	LIGHT MACHINING SPECIAL	LM_SPL	LMSP01, LMSP02, LMSP03, LMSP04, LMSP05 (5)
14	SPECIAL PROCESS	SPL	SP0001, SP0002 (2)
15	WELDING SPECIAL	WELD_SPL	WESP01 (1)
16	LIGHT MACHINING EXTRA	LM_EXTRA	LMEX01 (1)
17	RECOVERY OF TURNING AND BORING (T AND B) SCRAP	RECOVERY	RECO01 (1)

Scope of the Operation : Each Rate Schedule contains the scope of operation required on the job. However, during actual release of orders, there could be marginal variations in the nature of work content and the quantum of work within the same rate schedule.

Facilities Required : To carry out the operations required on the job for the concerned Group of Rate Schedules, the manufacturing Facilities required like Welding Machines, Presses, Shearing Machines, Lathes, Drilling Machines, VTL, Horizontal Boring Machines, Milling Machines, Measuring Instruments etc. are mentioned against each Group of Rate Schedules.

Eligibility of Vendors : The vendors who are all having the Facilities required, mentioned against each Group of Rate Schedules working in the manufacturing field can quote for the Group of Rate Schedules.

Distance Eligibility Criteria- Vendors Location.

1.1. Vendors within 50 KM are only eligible for the following 14 Group of Rate Schedules and also they are eligible for all other Groups mentioned below as in Clause 1.2, 1.3 and 1.4.

HF0004,HFLM01,HM0006,LF0007,LFLM07,LM0006,LM0011,LM0012,LM0017,LMCN07,LMSP03,LMSP04,LMSP05,WESP01.

Total Rate Schedules covered are 130.

1.2. Vendors within 150 KM are only eligible for the following 32 Group of Rate Schedules and also they are eligible for all other Groups mentioned below as in Clause 1.3 and 1.4.

FMSP02,FMSP07,FMSP09,FMSP10,HF0002,HFSP02,HM0001,HM0005, HMSP02,HMSP08,HMSP09,HMSP10,LF0001,LF0003,LF0006,LFLM04, LFLM05,**LFLM06**,LFSP02,LM0001,LM0005,LM0007,LM0008,LM0013, LM0014,LM0015,LM0016,LM0018,LM0019,LM0020,LMSP01,LMSP02

Total Rate Schedules covered are 294.

Attention: Vendors who have selected Group **LFLM06** to quote, they have to indicate deliverable quantity in numbers per month at the space provided in the Rate Schedule Description in the Technical Bid for Rate Schedule PC01.

1.3. Vendors within 350 KM are only eligible for the following 18 Group of Rate Schedules and also they are eligible for all other Groups mentioned below as in Clause 1.4.

FMSP01,FMSP03,FMSP05,FMSP08,HFLM02,HMSP03,LF0002,LF0004,LF0005,LFLM01,LFLM02,LM0003,LM0004,LM0010,LMCN03,LMCN04
LMCN05,LMCN06

Total Rate Schedules covered are 174.

1.4. Vendors located within 450 Km are eligible to participate in this tender for the following 16 Group of Rate Schedules only.

HFHM02,HM0002,HM0003,HM0004,HMSP01,HMSP04,HMSP05,HMSP11,HMSP15,LFLM03,LMCN01,LMCN02,LMEX01,REC001,SP0001,SP0002

Total Rate Schedules covered are 82.

Quantity : Tentative annual requirement is mentioned against each Rate Schedules in the Tender- Technical Bid. This quantity may vary during the currency of the contract according to the receipt of orders by BHEL.

Technical Bid : Technical specification Document for each Group of Rate Schedules are available as Technical Bid as **Annexure – C**. Vendors can download the concerned Group of Rate Schedules Format which is matching with the Facilities available with them and fill the details as requested.

Vendor has to quote for all the Rate Schedules available in the Group selected, else their offer will not be considered for the respective Group of Rate Schedules (In case Vendor is not quoting for one or two rate schedules within the Group of Rate Schedules, their quotation for the particular Group will be rejected.)

Price Bid : Price Bid Documents for all Group of Rate Schedules are available in excel format as **Annexure – D**. Simultaneously Vendor has to download the Price Bid in Excel Format and fill the price for the concerned Group of Rate Schedules willing to quote. Attach the price bid in excel format in cover III of e tender. Price shall be given in the figures. Kindly note that **no need to submit CD**.

Note: Unit rate only to be mentioned in the price bid. Any Rates indicated other than in Price Bid Cover III shall not be considered.

Light Machining Extra Rate Schedules : Rate Schedules **MR01, MR02 and MR03** under **LMEX Category** are mainly intended for paying extra charges to vendors wherever extra material removal operations are carried out other than originally planned for.

Turning & Boring (T&B) Scrap Recovery Rate Schedules : Recovery Rate Schedules **E44, E45, E46**, under **RECOVERY Category** are mainly intended for accounting the scrap generated during the Machining operations. Please refer Clause **6.0 of Techno Commercial document under Section II** for detailed clarification.

Among the Vendors who have quoted Higher Rate (H1) for these Rate Schedules will be taken for recovery. If BHEL feels that the quoted higher rate is very low, then negotiation will be conducted with H1 Vendor to arrive reasonable rate for recovery.

Note: All Vendors who have opted for any Machining Rate Schedules shall have to quote for **LMEX01 Group (RS MR01, MR02 and MR03) and RECO01 Group (RS E44, E45, E46)**.

Technical Bid and Price Bid of the **LMEX01 Group and RECO01 Group** can be Downloaded from **Annexure-C and Annexure-D** as like other Rate Schedule Groups.

Drawings : Due to large in number, volume, the drawings are not hosted in the Web-Site. However the drawings referred in the Rate Schedules will be displayed at BHEL for the Vendors who are willing to quote for the Rate Schedules.

Drawings available for study purpose to the Vendors at BHEL Outsourcing Department, conference hall from 09.00 Hrs to 16.00 Hrs on all working days from Monday to Saturday till 3 days before the tender opening due date. No soft copy of the Drawings will be given.

Hence it is suggested that, the Vendors has to visit BHEL to study the drawings along with their Technically competent officials to study the operations involved, facilities required and to estimate the cost of operations for quoting.

Quality Documents: Relevant Quality Work Instructions (QWI), Procedure of Quality Assurance (PR:QA), Welding Procedure Specification (WPS) specified in the Rate Schedules / Drawings are given in **Section IX and X**.

Note : For search and study purpose to the vendors, the following details are provided in the tender document.

- a) Total 680 Rate Schedules list (Rate Schedule wise) with Group indication is provided under **Section IIIA**.
- b) Total 80 Group of Rate Schedules list (Group wise) is provided under **Section IIIB**.
- c) Eligibility criteria for each Group of Rate Schedule is provided under **Section IIIC**
- d) To view the quality documents specified in the **Section X**, Click “**Quality Documents**” button available in the Main Page. Vendors can view the documents at OS department also.

Care: Offers received other than the format hosted in the web site will be summarily rejected.

Vendor has to study carefully all the technical requirements before quoting for the selected Group of Rate Schedules.

Section - IIIA**Enquiry No:-****661001E****Dt.10.01.2022****Total Rate Schedule List (Rate Schedule wise) with Group Indication**

Sl.No	Category	RS Group	RSNO	RS_DESC	UNIT
1	LF	LF0001	157M	Fabrication of GB Spool static/stationary spool except Drilling Tapping Machining with Red Oxide painting and wherever Heat Treatment is required Red Oxide Paint need not to be done. MPI Charges payable extra as per OS(Main)ARC Drg.No:- 0-52-011-00561 0-52-011-01339 0-52-261-00466 1-52-011-00700	MT
2	LF	LF0001	157N	Fabrication of Reducer Base Drive Base Base frame with Red Oxide Paint Except Drilling Tapping AND Heat Treatment (Machining Painting Not required wherever Heat Treatment is called for) Drg.No:- 1-52-042-00646 1-52-042-00692 1-52-042-01021 1-52-100-00074	MT
3	LF_LM	LFLM03	AC01	Fabrication and Machining of CLEANING DEVICE to drg.0-52-329-01027 0-52-329-01176 0-52-329-01300 0-53-316-00165 or equivalent Drg.No:- 0-52-329-01027	NO
4	LF_LM	LFLM03	AC02	Machining of WORM GEAR ASSEMBLY for Drg.No:- 2-52-326-00476	NO
5	LF_LM	LFLM03	AC06	Fabrication and Machining of CLEANING EQUIPMENT to drg.0-52-329-01105 2-52-329-01656 01700 01744 1865 or equivalent	NO
6	LF	LF0001	AF03	Fabrication of AXIAL SEAL PLATE Drg.No:- 1-52-030-01109	MT
7	LF	LF0005	AF06	Fabrication of GRATING ASSEMBLY-CORTEN A(E8018 ELECTRODE) Drg.No:- 1-52-010-00490	MT
8	LF	LF0004	AF07	Fabrication of GRATING (PRESSING) Drg.No:- 1-52+010-00025	MT
9	LF	LF0005	AF08	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT). Where the plates are to be converted into standard or non-standard Flats (where the conversion charges are not payable extra) Drg.No:- 1-52-010-00025	MT
10	LF	LF0005	AF09	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT).Where the flats of standard sizes will be issued (where conversion of Plates to Flats are not involved) Drg.No:-1-52-010-01450	MT
11	LF	LF0002	AL01	COMPLETE MANUFACTURING OF SEAL GUAGE AS PER BHEL DRG 3-53-013-00054 4-52-013-00718 4-52-013-01464 4-52-054-00662 4-52-054-01745 4-52-054-03555 WITH BHEL MATERIAL OR EQUIVALANT CONTENT	NO
12	LF	LF0002	AM01	Fabrication of BASKET PROTECTING SHEET Drg.No:- 2-52-010-01085	NO
13	LF_LM	LFLM06	AM03	Fabrication and Machining of GUIDE TRUN GUARD Drg.No:- 3-52-010-00801	NO
14	LM	LM0006	AM04	Machining of LOWER POST PIN Drg.No:- 6-17-10052 4-52-011-00906	NO
15	LF	LF0002	AM06	Fabrication of CLAMP TO 52 PGMA Drg.No:- 6-17-10066 6-17-20185	NO
16	LM	LM0006	AM07	Machining of ADJ SLEEVE ASSEMBLY Drg.No:- 6-17-10037 2-52-030-00983	NO
17	LM	LM0006	AM08	Machining of ADJ ROD to drg. 3-52-030-01840 or equivalent	NO
18	LM	LM0006	AM13	Machining of GUIDE PIN ASSEMBLY Drg.No:- 6-17-10040 6-17-10058	NO

Section - IIIA**Enquiry No:-****661001E****Dt.10.01.2022****Total Rate Schedule List (Rate Schedule wise) with Group Indication**

19	HM_SPL	HMSP03	AM15	Machining of Stationary Spool Static Spool Support Ring Supt Bearing Housing Cover to Drg 1-52-261- 00274 or Equivalent	NO
20	LM	LM0007	AM18	Machining of SEAL RING RETAINER to drg-no 35226100402 or equivalent	NO
21	LM	LM0007	AM19	Machining of ALUMINIUM SEAL RING UPTO DIA 500 MM SUPPLIED IN TWO PIECES Drg.No:- 2-52-261-00969	NO
22	HM_SPL	HMSP03	AM20	Machining of Static Spool Stationary Spool Support Ring Support Bearing Housing Cover to Drg 0-52-011-00561/02/00; Or Equivalent	NO
23	HM_SPL	HMSP03	AM21	Machining of Stationary Spool Static Spool Support Ring Support Bearing Housing Cover to Drg 1-52-261-00450/04/00; Or Equivalent	NO
24	LF_LM	LFLM04	AM22	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-00309 3-52-010-01460 Or Equivalent Drg Having Same Work Content	NO
25	LF_LM	LFLM04	AM23	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-02120 Or Equivalent Drg Having Same Work Content	NO
26	LF_LM	LFLM02	AM25	Fabrication and Machining of Trunnion Sleeve Sealing Tube Assenbly (For Fully Machining) To Drg. 2-52-261-00116 2-52-261-00190 2-52-261-00710 Or Equivalent	NO
27	LF_LM	LFLM02	AM26	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 3-52-261-01772 Or Equivalent	NO
28	LF_LM	LFLM02	AM27	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 2-52-261-02394 Or Equivalent	NO
29	LF	LF0002	AM30	Machining of CLIP Drg.No:-6-17-10045	NO
30	LM	LM0007	AM31	Machining of Aluminium Seal Ring Less Than Outer Dia 1000 Mm (Including Drg. 2/00969 3/00560 3/00731 3/00732 3-52-011-00955 3/01760 3/01773 Or Equivalent)	NO
31	LM	LM0007	AM32	Machining of Aluminium Seal Ring Above Outer Dia 1000 mm (Including Drgs 3-52-011-00896 3-52-011-02112 Or Equivalent). Segments will be issued from shop.	NO
32	LF_LM	LFLM04	AM39	Fabrication and Machining of SEAL ADJ BAR Drg.No:- 6-17-10033	NO
33	HM_SPL	HMSP03	AM44	Guide Bearing SPOOL MACHINING BY VTL TO DRG 1-52-047-001131 1-52-047-01327 OR EQUIVALENT	NO
34	LM	LM0004	AM46	Machining of SEALING TUBE ASSY Drg.No:- 2-52-011-02394 2-52-261-00116	NO
35	HM_SPL	HMSP03	AM48	STATIC SPOOL SUPPORT RING MACHINING to DRg. 1-52-011-00700/08/00; 1-52-011-01658/02/00 OR Equivalent.	NO
36	LM	LM0007	AM50	Machining of BRASS PACKING COVER (2 HALVES) Drg.No:- 3-52-261-00114	NO
37	HM_SPL	HMSP03	AM51	SPOOL SEAL ASSY MACHINING to Drg.1-52-041-01157/06/00 OR Equivalent	NO
38	HM_SPL	HMSP03	AM52	SPOOL SEAL ASSY MAQCHINING to Drg. 1-52-047-00295/06/00 OR Equivalent	NO
39	HM_SPL	HMSP03	AM53	SPOOL SEAL ASSY MACHINING to Drg. 1-52-047-00521/04/00 OR Equivalent	NO

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40	HM_SPL	HMSP03	AM54	GB SPOOL MACHINING BY VTL TO DRG 1-52-041-00458 1-52-041-01137 1-52-041-01872 1-52-041-02172 OR EQUIVALENT	NO
41	LM	LM0004	AM57	Complete Machining Of Retainer Plate-Pri Upto 40 Mm (Including Drawings 25226100114 25226100189 Or Equivalent Having Same Work Content)	NO
42	LM	LM0004	AM58	Complete Machining Of Retainer Plate-Pri More Than 40 Mm (Including Drgs Nos 25226100711 35226101774 Or Equivalent Having Same Work Content)	NO
43	HM_SPL	HMSP04	AM61	Machining of Brg Runner Plate OP-SK-APH-01801 Drg.No:- OPSKAPH1801	NO
44	HM_SPL	HMSP04	AM64	Machining of Brg Runner Pl 170 Xd 1540 Op-Sk-Aph-1896	NO
45	LF_LM	LFLM01	AM67	Complete Manufacturing Of Spacer Ring Segment Assy As Per The Drawings 25201102392 25201102928 And 35201101370 Or Equivalent Drawings Having Same Work Content	NO
46	HM_SPL	HMSP04	AM71	Machining of Brg. Runner Plate 120Xdia 1200 Sketch: OP-SK- APH - 0814 OR Equivalent.	NO
47	HM_SPL	HMSP04	AM72	Machining of Brg. Runner Plate 120Xdia 800 Sketch OP-SK-APH-1061 OR Equivalent.	NO
48	HM_SPL	HMSP03	AM83	STATIC SPOOL STATIONARY SPOOL SUPP RING SUPT BRG HSG COVER MACHINING to Drg 1-52-041-01210/01/00; 1-52-041-01812/00/00; 1-52-261-01102/02/00;2-52-261-00815/04/00 ; OR Equivalent	NO
49	LM	LM0004	AM87	Trunnion Sleeve(For Fully Machining) for upto 110MW-WOs. And to drg. 3-53-261-00063 3-52-261-00515 3-52-261-01402 3-52-261-00399 or equivalent	NO
50	LM	LM0004	AM88	Trunnion Sleeve(For Fully Machining) for 210MW AND 500(Pri)-WOs. And to drgs. 3-52-011-00533 3-52-261-01959 2-52-011-00707 or equivalent	NO
51	LM	LM0004	AN05	ADAPTOR SLEEVE ROUGH MACHINING to drg 2-52-261-01509 OP-SK-APH-0188 Or equivalent	NO
52	LM	LM0004	AN06	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-0622 Or equivalent	NO
53	LM	LM0004	AN07	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-2329 Or equivalent	NO
54	FAB_MACH_SPL	FMSP03	AP22	Fabrication of Shaft Protecting Tube to Drg. 1-55-214-00619/02/00;1-55-216-00353/02/00;1-55-334-00695/04/00;1-55-335-00867/00/00;2-55-213-00698/00/00;3-55-124-00063/04/00 OR Equivalent.	NO
55	FAB_MACH_SPL	FMSP03	AP26	Fabrication Of Shaft Protecting Tube To Drg. 0/01089 Or Equivalent.	NO
56	LM_SPL	LMSP02	AR21	Rotor Drive Base -Machining Only To Drg-No. 2/00055 1/00074 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
57	LM_SPL	LMSP02	AR22	Rotor Drive Base -Machining Only To Drg-No. 2/02510 1/01522 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
58	LM_SPL	LMSP02	AR23	Rotor Drive Base -Machining Only To Drg-No. 1-52-100-00978 1-52-100-02220 1-52-100-02320 Or Equivalent (Fabricated Base Supplied By Bhel)	NO

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59	LM_SPL	LMSP02	AR24	Air Motor Bracket -Machining Only To Drg-Nos.1/00826 1/00979 1/02791 2/02433 2/02706 2/02745 2/02772 2/02997 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
60	LM_SPL	LMSP02	AR25	Air Motor Bracket -Machining Only To Drg-Nos.2/03001 2/03038 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
61	LM_SPL	LMSP02	AR26	Electrical Motor Bracket -Machining Only 1/54 2/2996 2/3009 3/1796 3/1837 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
62	LM_SPL	LMSP02	AR27	Electrical Motor Bracket -Machining Only 2/2509 2/3014 2/3036 2/3042 Or Equivalent (Fabricated Base Supplied By Bhel)	NO
63	LM_SPL	LMSP02	BS01	Bearing Support Sub Assembly machining as per drg. 1-52-042-01021/02 1-52-042-00692/04/00 or equivalent	NO
64	LM_SPL	LMSP02	BS03	Brg Supt Sub Assy machining as per drg.1-52-042-01875/02 or eq.	NO
65	LM_SPL	LMSP02	BS04	Brg Supt Sub Assy machining as per drg.1-52-042-01987 or eq.	NO
66	LM	LM0014	CH10	Machining ofCHIMNEY HEX NUT M90 for Drg.No:- 40-A-006-035	NO
67	LM	LM0014	CH20	Machining ofCHIMNEY FOUNDATION BOLT OF ALL SIZES WITH OUT NUT AND WASHER for Drg.No:- 3-87-010-80422	MT
68	LM	LM0014	CH21	CHIMNEY FOUNDATION BOLT OF ALL SIZES WITH NUT AND WASHER for Drg.No:- 3-87-010-80422	MT
69	SPL	SP0001	CP02	Hard Chrome Plating of AP Fan Pistons Both way delivery to BHEL inchs Scope Drg.No:- 0-55-214-00387	TH
70	LF_LM	LFLM04	D02C	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT 100 KGS to 250 Kgs	MT
71	LF_LM	LFLM04	D02D	Fabrication and Machining of Lifting Beam(ESP) Drg.No:- 2-79-000-03852	MT
72	LF_LM	LFLM04	D02E	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT morethan 2 Kg and UP TO 10 KGS	MT
73	LF_LM	LFLM04	D02F	LIGHT FABRICATION LIGHT M/CING ITEMS UNIT WT UP TO 2 KGS	MT
74	LF_LM	LFLM04	D02G	Fabrication and Machining of Fabrication and Machining ofPOINTER Assy to drg. 05521400853/04 05533400938/02 25521400504/01 35533500504/01 35533500954 or equivalent	MT
75	LF_LM	LFLM04	D02H	Fabrication and Machining ofTEMPLATES TO VARIOUS DRGS WITH WEIGHTS MORETHAN 250 KG AND UPTO 800 KG.	MT
76	LF_LM	LFLM04	D02K	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 10 KGS AND UPTO 50 KGS	MT
77	LF_LM	LFLM04	D02L	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 50 KGS AND UPTO 100 KGS	MT
78	LF_LM	LFLM04	D02M	Fabrication of Lock Washer of various drawings	No
79	LF_LM	LFLM04	D02N	Machining of Blade pins Dia 25 mm for Drg 4-57-999-02123 or equivalent	No
80	LF_LM	LFLM04	D02P	Machining of Blade pins Dia 33 mm for Drg 4-57-999-02124	No

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81	LF	LF0006	D02Q	Fabrication of Shims for APH items like sector plate, reducer base	No
82	LM	LM0006	D03A	Machining of PIPE NIPPLE UPTO 1 inch (from tube)	NO
83	LM	LM0006	D03B	Machining of PIPE NIPPLE UPTO 2 inch (from tube)	NO
84	LM	LM0006	D03C	Machining of PIPE NIPPLE UPTO 3 inch (from tube)	NO
85	LM	LM0006	D04A	Machining of PIPE NIPPLE FROM ROD DIA 32 MM Drg.No:- 4-52-100-01140	NO
86	LM	LM0006	D04B	Machining of PIPE NIPPLE FROM ROD DIA 40 MM Drg.No:- 4-52-262-01378	NO
87	LM	LM0006	D04C	Machining of PIPE NIPPLE FROM ROD DIA 50 MM Drg.No:- 4-52-100-03487	NO
88	LM	LM0006	D04D	Machining of PIPE NIPPLE FROM ROD DIA 63 AND 80 MM Drg.No:- 4-55-335-01513	NO
89	LF_LM	LFLM04	D05A	Fabrication and Machining of PIPE CLAMPS UPTO 2 inch Drg.No:- 6-17-10016	NO
90	LF_LM	LFLM04	D05C	Fabrication and Machining of PIPE CLAMPS above 2 inch and upto 3 inch Drg.No:- 6-17-10016	NO
91	LM	LM0006	D06A	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 32 MM for Drg.No:- 4-53-261-00033	NO
92	LM	LM0006	D06B	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 50 MM	NO
93	LM	LM0006	D06C	Machining of Fabrication and Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 63 MM	NO
94	LM	LM0006	D06D	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 80 MM Drg.No:- 4-ML-102-00048	NO
95	LM	LM0006	D06E	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 100 MM	NO
96	LM	LM0006	D06F	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 125 MM Drg.No:- 6-17-20151	NO
97	LM	LM0016	D08A	Machining of Studs SA193B7 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-132-02655	NO
98	LM	LM0016	D08B	Machining of Studs SA193B7 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 3-48-013-33558	NO
99	LM	LM0016	D08C	Machining of Studs SA193B7 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 3-48-013-33558	NO
100	LM	LM0016	D08D	Machining of Studs SA193B7 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	NO
101	LM	LM0019	D08F	Machining of Studs SA105 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	NO
102	LM	LM0019	D08G	Machining of Studs SA105 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	NO

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103	LM	LM0019	D08H	Machining of Studs SA105 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	NO
104	LM	LM0019	D08I	Machining of Studs SA105 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-000-02173	NO
105	LM	LM0019	D08J	Machining of Studs SA105 (Single Side) upto M48 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	NO
106	LM	LM0019	D08P	% EXTRA FOR STUDS-DOUBLE SIDE (APPLICABLE FOR STUDS-SINGLE SIDE LOADED UNDER RATE SCHEDULE D08A TO D08J) Drg.No:- 4-56-000-02171	%
107	LF	LF0002	D09	CAF GASKETS TO VARIOUS SIZE / SHAPE Drg.No:- 4-54-240-00019	NO
108	LM	LM0006	D10A	Machining of FIT BOLTS M16 Drg.No:- 4-54-100-00039	NO
109	LM	LM0006	D10B	Machining of FIT BOLTS M20 Drg.No:- 4-56-226-00807	NO
110	LM	LM0018	D11A	Machining of LOCATING PIN M12 OR M16 Drg.No:- 4-55-215-02013	NO
111	LM	LM0018	D11B	Machining of LOCATING PIN M20 OR M22 Drg.No:- 4-55-216-00850	NO
112	LM	LM0018	D11D	Machining of LOCATING PIN M24 Drg.No:- 4-55-216-00550	NO
113	LM	LM0006	D12A	Machining of TAPER PINS (THREADED OR PLAIN)-Dia UPTO 10 mm.	NO
114	LM	LM0018	D12B	Machining of TAPER PINS (THREADED OR PLAIN)-Dia morethan 10 mm Drg.No:- 3-53-010-00239	NO
115	LM	LM0006	D13A	Manufacture of HEX BOLT UPTO M20X160 Drg.No:- 6-17-10098	NO
116	LM	LM0006	D13B	Manufacture of HEX BOLT UPTO M24X180	NO
117	LM	LM0006	D13C	Manufacture of HEX BOLT UPTO M36X200	NO
118	LM	LM0006	D13D	Manufacture of HEX BOLT UPTO M52X450	NO
119	LM	LM0018	D13E	Machining of SCREW PLUG FP 2 inch (45521400460/01)	NO
120	LM	LM0008	D14	Fabrication and Machining of EXPANSION ARRT OF ALL SIZES Drg.No:- 6-17-10069 6-17-10070 1-52-030-00002 1-52-030-00004	NO
121	LM	LM0006	D15A	Machining of FLANGES BORE UPTO 40 MM Drg.No:- 4-55-334-01422	NO
122	LM	LM0006	D15B	Machining ofFabrication and Machining ofFLANGES BORE UPTO 50 MM	NO
123	LM	LM0006	D15C	Machining of FLANGES BORE UPTO 75 MM	NO
124	LM	LM0006	D15D	Machining of FLANGES BORE UPTO 100 MM	NO
125	LM	LM0006	D15E	Fabrication and Machining of FLANGES BORE UPTO 150 MM	NO
126	LF_LM	LFLM04	D17	Fabrication and Machining of OIL CARRY OVER DETECTOR/OIL INLET PIPE ASSY (HYDRO TEST TO BE DONE) Drg.No:- Drg.No:- 6-17-10006	NO
127	FAB_MACH_SPL	FMSP09	D19	Fabrication and Machining of Water Shield Assy as per Drgs . 2-52-262-00182 2-52-262-00781 2-52-262-01292 2-52-262-01315 2-53-262-00218 3-52-262-01802 3-52-262-01897 3-52-262-02174 3-52-262-02387 or equivalent	MT

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128	LF_LM	LFLM04	D20B	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA UPTO 1000MM for Drg.No:- 2-56-171-02825	NO
129	LF_LM	LFLM04	D20C	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 1000MM to 2000MM	NO
130	LF_LM	LFLM04	D20D	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 2000MM to 4000MM	NO
131	LF_LM	LFLM04	D20E	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L <LESSTHAN 2 SQ.MTR) for Drg.No:- 1-56-173-04114	NO
132	LF_LM	LFLM04	D20F	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 2 SQ.MTR UPTO 4 SQ.MTR)	NO
133	LF_LM	LFLM04	D20G	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 4 SQ.MT UP TO 8 SQ.MTR)	NO
134	LF	LF0003	D21A	Fabrication of SEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS -For OD 1 Mtr TO 1.5 Mtr. Drg.No:- 2-56-228-02417	NO
135	LF	LF0003	D21B	Fabrication ofSEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS -For OD 1.5 Mtr TO 2.5 Mtr Drg.No:- 2-56-228-02417	NO
136	LF	LF0003	D21C	Fabrication of Fabrication and Machining ofSEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS - For OD 2.5 Mtr TO 3.5 Mtr	NO
137	LF	LF0003	D21E	Fabrication of Sealing For Impellers (Angle Rolling Will Be Done At BHEL) Upto Unit Wt:50 Kgs -For OD Upto 1 Mtr as per Drg 2-56-226-03249 2-56-226-04824 2-56-214-04065 or equivalent	MT
138	LM	LM0008	D22	Manufacture of FORM TOOL ASSY to drg.3-79-020-00271/01 OR Equivalent.	NO
139	LF	LF0005	D22A	Fabrication of NEW FORM TOOL from Plate 16 mm to drg. 3-79-020-02730 Or Equivalent	NO
140	LF	LF0006	D23A	Fabrication of SEALS UPTO 2.5 MM ORDINARY TYPE Drg.No:- 2-52-041-01583	MT
141	LF	LF0006	D23B	Fabrication of SEALS ABOVE 2.5 MM ORDINARY TYPE AXIAL SPACER BAR ASSY AND ALL SHIMS Drg.No:- 1-52-041-01128 1-52-041-01188	MT
142	LF	LF0006	D23C	Fabrication of Seals Upto 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	MT
143	LF	LF0006	D23D	Fabrication of Seals Above 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	MT
144	LF	LF0005	D23E	Fabrication of Deflection plate Drg.No:- 6-17-20115	MT
145	LF	LF0005	D23G	Fabrication of Support Rod Drg.No:- 6-17-20130 4-52-261-03089	MT
146	FAB_MACH_SPL	FMSP08	D28	Manufacture of REINFORCEMENT TO DRG. 4-79-020-00341/01 OR EQUIVALENT Drg.No:- 6-17-20142	NO
147	LM	LM0008	D30	Machining of PIN SPACE GAUGE PIN RACK SPACE SETTING BLOCK Drg.No:- 6-17-10032	NO
148	LM	LM0006	D32	PIN RACK SETTING SCREW Drg.No:- 6-17-10025	NO

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149	LM	LM0008	D33	Machining of ADJUSTER ROD drg. 25204500034/02 35203000902/05 35204500236/02 35226100400/05 35500001082 35500001084 37901300126/02 45203000330/08 or Equivalent	NO
150	LF	LF0006	D34	Fabrication of CIRCM SEAL SETTING WEDGE to drg. 3-53-013-00226 or equivalent	NO
151	LF	LF0006	D35	Fabrication of CIRCM SEAL ANGLE SPANNER for Drg.No:- 3-53-013- 00227	NO
152	LM	LM0008	D36	Machining of SCREW RING for Drg.No:- 3-55-124-00046	NO
153	LM	LM0008	D37	Machining of RING DIVIDED for Drg.No:- 3-55-334-00227	NO
154	LF_LM	LFLM04	D41	Fabrication and Machining of of Basket Wedge for Drg.No:- 4-53-025- 00232	NO
155	LM	LM0006	D42	Machining of ADAPTER FP 1/2 inch-M18X1 to drg 45533401334/01 (SA105 ROD D36 L40 WEIGHT 0.1 KG/NO) OR Equivalent	NO
156	LM	LM0008	D49	Machining of PLUG M18X1 Drg.No:- 4-55-214-00482	NO
157	FAB_MACH_SPL	FMSP07	D53A	Fabrication and Machining of SEAL ASSEMBLIES OF 56 PGMA LAB SEAL (for 11 size Fan) for Drg.No:- 2-56-228-03397	NO
158	LF_LM	LFLM04	D54A	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight upto 10 Kgs.) for Drg.No:- 1-56-226-00290	NO
159	LF_LM	LFLM04	D54B	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 10 to 25 Kgs.)	NO
160	LF_LM	LFLM04	D54C	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 25 to 50 Kgs.)	NO
161	LF_LM	LFLM03	D56	Fabrication and Machining of HAND CRANK ASSY Drg.No:- 3-52-326- 00467	NO
162	LF	LF0005	D58	Fabrication of DIPSTICK ASSY Drg.No:- 6-17-10007	NO
163	LF_LM	LFLM05	D59	Fabrication and Machining of T-BARS (from I-section) Rotor Angle Bye pass Seal Angle Drg.No:- 1-52-041-00282 2-52-010-00546	MT
164	LF_LM	LFLM05	D60	Fabrication and Machining of CIRCUMFERENTIAL SEAL WITH SUPPORT (ANGLE SECTION ROLLING) for Drg.No:- 3-53-013-00527	MT
165	LF_LM	LFLM04	D63	Fabrication and Machining of LIFTING HOOK Drg.No:- 6-17-10014	NO
166	LF_LM	LFLM04	D64	Fabrication and Machining of PINION COVER ASSY for Drg.No:- 1-52- 100-00010	MT
167	LF_LM	LFLM06	D66A	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 500 MM) to DRg 2-02-393-56807/00/00; 3ML10100026--- /00/00; OR Equivalent	NO
168	FAB_MACH_SPL	FMSP05	D66B	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 501-1000 MM)	NO
169	FAB_MACH_SPL	FMSP05	D66C	INLET CONE ASSEMBLY (FAB + M/C 1000-1500 MM) to DRg.0-55-214- 00834/06/00;0-55-334-00832/02/00;2-56-124-02835/01/00;2-56- 145-02353/00/00; OR Equivalent	NO
170	FAB_MACH_SPL	FMSP07	D67D	Fabrication and Machining of LAB SEAL ASSY (M/C from casting) Drg.4-56-135-00109 OR Equivalent	NO

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171	FAB_MACH_SPL	FMSP07	D67E	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Upto 75Mm Thick) Drg. 3-56-171-01354/00/00; 1-56-226-01357/00/00; 4-56-135-00294/01/00 Or Equivalent	NO
172	FAB_MACH_SPL	FMSP07	D67F	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Morethan 75 Mm To 100 Mm Thick) Drg. 3-56-226-00477/02/00 Or Equivalent	NO
173	FAB_MACH_SPL	FMSP10	D68	Fabrication and Machining of OIL CIRCULATION UNIT for Drg.No:- 1-57-274-01035	NO
174	LF	LF0005	D69	Fabrication and Machining of CORE COVER PLATE for Drg.No:- 3-55-214-00589	NO
175	LF_LM	LFLM04	D70	Fabrication and Machining of SEALING COVER ASSY (under TWO-SPLIT) to Drg. 4ML10100070---/00/00; 1-52-261-00299 OR Equivalent	NO
176	LF_LM	LFLM04	D70A	Fabrication and Machining of SEALING COVER ASSY (UNDER four split) to Drg. 2-52-262-00782 OR Equivalent	NO
177	HM_SPL	HMSP05	D71	SUPP.BRG HSG COVER FABN AND M/C ING Drg.No:- 2-52-262-01792	NO
178	LF	LF0002	D73	Fabrication of CAF WASHER D 50 x D17 - 3.15 MM THICK	NO
179	FAB_MACH_SPL	FMSP08	D74	Fabrication and machining of HOOK Drg.No:- 6-17-20040 6-17-20063 4-79-008-00019	NO
180	FAB_MACH_SPL	FMSP08	D74A	Fabrication and machining of SHOCK IRON Drg.No:- 4-79-020-00160	NO
181	FAB_MACH_SPL	FMSP08	D74B	GUIDE BLOCK MACHINING TO DRG. 4-56-228-01726 weight 28.26 Kg/No. OR EQUIVALENT. (PLATES CUT-TO-SIZE WILL BE ISSUED BY BHEL) Drg.No:-4-79-020-00041	NO
182	LF_LM	LFLM04	D75	Fabrication and machining of Articulated Fork as per Drg 3-56-132-00008	NO
183	LF_LM	LFLM04	D75A	Fabrication and machining of Articulated Piece as per Drg 3-56-465-00009	NO
184	LF_LM	LFLM04	D76	Fabrication and machining of Turn Buckle for Drg.No:- 3-55-125-00266	NO
185	HF	HF0002	D77	Machining of fabricated BRG PEDESTAL 25611701314/01, 45613200040	NO
186	LF_LM	LFLM04	D78	Fabrication and machining of ROLLER ASSY for Drg.No:- 4-52-045-00622	NO
187	LF_LM	LFLM04	D79	Fabrication and machining of SUSPENTION ASSY for Drg.No:- 1-55-114-00421	NO
188	HM	HM0002	D80A	Machining of BEARING HOUSING ID UPTO DIA 200MM Drg.No:- 0-55-214-00598	NO
189	HM	HM0002	D80B	Machining of BEARING HOUSING ID DIA > 200 MM UPTO 300 MM Drg.No:- 0-55-214-00598	NO
190	HM	HM0002	D80C	Machining of BEARING HOUSING ID DIA > 300 MM UPTO 400 MM to DRg.0-56-135-00613/04/00; OR Equivalent	NO
191	HM	HM0002	D81A	Machining of SPLIT TYPE BEARING HOUSING ID DIA UPTO 250 MM	NO
192	HM	HM0002	D81B	Machining of SPLIT TYPE BEARING HOUSING ID DIA > 250 MM UPTO 400 MM to drg 0-55-126-00186/04/00; OR Equivalent	NO
193	HM	HM0002	D82A	Machining of BEARING HOUSING COVER ID DIA UPTO 310 MM 3-55-216-00498/04/00; OR Equivalent	NO

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194	HM	HM0002	D82B	Machining of BEARING HOUSING COVER ID DIA > 310 MM UPTO 410 MM	NO
195	HM	HM0002	D82C	Machining of BEARING HOUSING COVER ID DIA > 410 MM UPTO 500 MM	NO
196	HM_SPL	HMSP05	D82E	Complete machining of Bearing Housing as per drg (0-55-214-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857) except drilling and tapping SR completed castings to be collected from shop	NO
197	HM_SPL	HMSP05	D82F	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 0-55-335-01067) except drilling and tapping SR completed castings to be collected from shop	NO
198	HM_SPL	HMSP05	D82G	Complete machining of Bearing Covers as per drg (1-55-214-00414 1-55-335-00885 2-55-214-00813 2-55-334-00814) including drilling tapping and slotting etc.. Casting/Prepared material to be <u>collected from shop.</u>	NO
199	LM	LM0005	D82L	Complete machining of Bearing Covers as per drg (4-55-334-01761) including drilling tapping and slotting etc.. Casting to be collected from stores	NO
200	HM_SPL	HMSP05	D82M	Complete machining of Bearing Housing as per drg (0-55-514-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857 or equivalent) including drilling and tapping.SR completed castings to be collected from shop	NO
201	HM_SPL	HMSP05	D82N	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 or equivalent) including drilling and tapping SR completed castings to be collected from shop	NO
202	HM_SPL	HMSP05	D82P	Complete machining of Bearing Housing as per drg (0-55-335-01067 or equivalent) including drilling and tapping SR completed castings to be collected from shop	NO
203	HM	HM0002	D83A	Machining of FLANGE BEARING HOUSING ID DIA UPTO 200 MM to Drg. 1-55-124-00038/09/00; OR Equivalent.	NO
204	HM	HM0002	D83B	Machining of FLANGE BEARING HOUSING ID DIA > 200 MM UPTO 275 MM	NO
205	HM	HM0002	D84A	Machining of BEARING CASE ID UPTO 240 MM to Drg. 2-55-124-00045/04/00; OR Equivalent.	NO
206	HM	HM0002	D84B	Machining of BEARING CASE ID morethan 240 MM	NO
207	HM	HM0002	D85A	Machining of BEARING LID ID UPTO 215 MM for Drg.No:- 20-A-106-011	NO
208	HM	HM0002	D85B	Machining of BEARING LID ID > 215 MM UPTO 280 for Drg.No:- 10-A-007-008	NO
209	HM	HM0002	D85C	Machining of BEARING LID ID > 280 MM UPTO 350 MM for Drg.No:- 10-A-007-008	NO
210	HM	HM0002	D85D	Machining of INNER BEARING BUSH Rough Machining to Drg. 3-55-125-00284/02/00; OR Equivalent.	NO
211	HM	HM0003	D86A	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID UPTO 50 MM 4-55-335-01658	NO
212	HM	HM0003	D86B	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID > 50 MM UPTO 120 MM	NO

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213	HM	HM0003	D86C	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 120 MM UPTO 195 MM	NO
214	HM	HM0003	D86D	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 195 MM UPTO 205 MM	NO
215	HM	HM0003	D86E	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 205 MM UPTO 250 MM	NO
216	LF	LF0007	D89	COMPLETE FABRICATION OF LIFTING STAY EXTENSION(NEW) AS PER DRAWING 35201002520 OR EQUIVALENT	NO
217	FAB_MACH_SPL	FMSP01	DC11	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-214-00833/02	MT
218	FAB_MACH_SPL	FMSP01	DC12	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00881/02	MT
219	FAB_MACH_SPL	FMSP01	DC13	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00892/04	MT
220	FAB_MACH_SPL	FMSP01	DC14	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-215-00901/01	MT
221	FAB_MACH_SPL	FMSP01	DC19	Fabrication of CORE ALONE OF DIFFUSER DRG.1-55-335-00877/01	MT
222	FAB_MACH_SPL	FMSP01	DC21	Fit-Up Charges For Assembling Of Diffuser-Core with Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is Less Than 2000 Kg Drg.No:- 0-55-213-00789	MT
223	FAB_MACH_SPL	FMSP01	DC22	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 2000 Kg	MT
224	FAB_MACH_SPL	FMSP01	DC23	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (Including Tack-Welding-Of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 4.00 MT	MT
225	FAB_MACH_SPL	FMSP01	DC25	Fabrication Of Core Alone Of Diffuser Drg. 0-55-227-01204	MT
226	FAB_MACH_SPL	FMSP01	DC26	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01077	MT
227	FAB_MACH_SPL	FMSP01	DC27	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01146	MT
228	LM	LM0012	DE1H	Machining of EP SHAFT WITH OUT KEY WAY(Length upto 3Mtr) for Drg.No:- 3-78-509-01170	NO
229	LM	LM0012	DE1K	Machining of EP SHAFT WITH OUT KEY WAY(Length 3 Mtr to 4Mtr)	NO
230	LM	LM0012	DE1M	Machining of EP SHAFT WITH OUT KEY WAY(Length 4Mtr to 5 Mtr)	NO
231	LM	LM0012	DE1N	Machining of EP SHAFTS WITH KEY WAY(Length upto 3Mtr) Drg.No:- 6-17-20171 6-17-20172	NO
232	LM	LM0012	DE1P	Machining of EP SHAFTS WITH KEY WAY(Length 3Mtr to 4Mtr)	NO
233	LM	LM0012	DE1R	Machining of EP SHAFTS WITH KEY WAY(Length 4Mtr to 5 Mtr)	NO
234	LM	LM0019	DE2A	Fabrication and Machining of FDN BOLTS M20 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04512	NO

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235	LM	LM0019	DE2B	Fabrication and Machining of FDN BOLTS M27 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04509	NO
236	LM	LM0019	DE2C	Fabrication and Machining of FDN BOLTS M36 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04506	NO
237	LM	LM0019	DE2D	Fabrication and Machining of FDN BOLTS M45 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04508	NO
238	FAB_MACH_SPL	FMSP01	DS11	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-214-00833/02	MT
239	FAB_MACH_SPL	FMSP01	DS12	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00881/02	MT
240	FAB_MACH_SPL	FMSP01	DS14	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-215-00901/01	MT
241	FAB_MACH_SPL	FMSP01	DS15	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00918/03	MT
242	FAB_MACH_SPL	FMSP01	DS19	Fabrication of SHELL ALONE OF DIFFUSER DRG.1-55-335-00877/01	MT
243	FAB_MACH_SPL	FMSP01	DS25	Fabrication Of Shell Alone Of Diffuser Drg. 0-55-227-01204	MT
244	FAB_MACH_SPL	FMSP01	DS26	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01077	MT
245	FAB_MACH_SPL	FMSP01	DS27	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01146	MT
246	FAB_MACH_SPL	FMSP01	DS29	Fabrication Of Shell Alone Of Diffuser Drg.0-55-335-01127	MT
247	LF	LF0002	EF01	Fabrication and Machining of FRAME I AND IV MADE OUT OF SHEET Drg.No:- 1-79-020-00459	MT
248	LF	LF0002	EF02	COMPLETE FABRICATION OF MODIFIED FRAME II-(40 SHEETS) AS PER DRAWING 17902004231 OR EQUIVALENT.	MT
249	FAB_MACH_SPL	FMSP05	EV01	Fabrication and Machining of EXCHANGEABLE VANE for Drg.No:- 3-55-124-00060	NO
250	LM	LM0019	F64B	Fabrication and Machining of DIAGONAL STAY to drg. 37903200467/02 or equivalent. Rate per No. is applicable for all lengths	NO
251	LM	LM0019	F64C	Fabrication and Machining of LIFTING HOLDER HANGER ASSY WITH NUTS SUPPLIED BY BHEL) Drg.No:-3-79-021-01244	MT
252	LM	LM0019	F64H	Fabrication of SUSPENSION ROD for Drg.No:- 3-79-021-00245	MT
253	LM	LM0019	F64I	COMPLETE FABRICATION OF LIFTING PIN AS PER DRAWING 45204103814 OR EQUIVALENT	NO
254	LM	LM0019	F64J	COMPLETE MACHINING OF SHAFT ROD AS PER DRAWING 35204102529 OR EQUIVALENT	NO
255	LM	LM0019	F64K	COMPLETE MACHINING OF SLEEVE ASSY AS PER DRAWING 35204102530 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	NO
256	LM	LM0019	F64L	COMPLETE MACHINING OF SEALING ASSY AS PER DRAWING 25204103282 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	NO
257	LM	LM0019	F64M	COMPLETE MACHINING OF LIFTING ROD AS PER 35204105231 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	NO

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258	HF	HF0002	F67B	Fabrication of BEARING PEDESTAL BASE FRAME Drg.No:-0-56-226-00364 1-56-228-02844	MT
259	FAB_MACH_SPL	FMSP02	F67C	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE UPTO 2 MT Drg.No:- 0-55-213-00788	MT
260	FAB_MACH_SPL	FMSP02	F67E	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 2 MT UPTO 5 MT Drg.No:- 0-55-215-00900	MT
261	FAB_MACH_SPL	FMSP02	F67F	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 2 MT UPTO 5 MT Drg.No:- 0-55-215-00900	MT
262	FAB_MACH_SPL	FMSP02	F67L	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 5 UPTO 8.50 MT	MT
263	FAB_MACH_SPL	FMSP02	F67M	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 5 UPTO 8.50 MT Drg.No:- 0-55-215-01233	MT
264	FAB_MACH_SPL	FMSP02	F67N	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT Drg.No:-	MT
265	FAB_MACH_SPL	FMSP02	F67P	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT	MT
266	FAB_MACH_SPL	FMSP02	F67T	TRAIL ASSY OF SUCTION CHAMBER including Foot fitup (Intermediate shaft cover / Shaft Protecting Tube which will be supplied by BHEL)	MT
267	HF_SPL	HFSP02	FC10	% EXTRA FOR DOUBLE CONE Drg.No:- 1-56-114-04362	%
268	HF_SPL	HFSP02	FC60	CC PL Fabn up to 100 KGS (WSTE Matl) Drg.No:- 2-56-134-00045	NO
269	HF_SPL	HFSP02	FC61	CC PL Fabn up to 100-150 KGS (WSTE Matl)	NO
270	HF_SPL	HFSP02	FC62	CC PL Fabn up to 150-200 KGS (WSTE Matl)	NO
271	HF_SPL	HFSP02	FC63	CC PL Fabn up to 200-250 KGS (WSTE Matl)	NO
272	HF_SPL	HFSP02	FC64	CC PL Fabn up to 250-300 KGS (WSTE Matl)	NO
273	HF_SPL	HFSP02	FC65	CC PL Fabn above 300 Kgs upto 500 Kgs. (WSTE Matl.)	NO
274	HM_SPL	HMSP08	FC66	CC PL Machining for OD 700 Drg.No:- 3-56-133-03964	NO
275	HM_SPL	HMSP08	FC67	CC PL Machining for OD 700 TO 800	NO
276	HM_SPL	HMSP08	FC68	CC PL Machining for OD 800-1230	NO
277	HM_SPL	HMSP08	FC69	CC PL Machining for OD 1230 TO 1500	NO
278	HM_SPL	HMSP09	FC70	CC PL Machining for OD 1500 TO 1895	NO
279	HM_SPL	HMSP09	FC71	CC PL Machining for OD 1895 to 2500	NO
280	HM_SPL	HMSP10	FC78	CC PL Machining for OD ABOVE 2500 and UPTO 3000	NO
281	LM	LM0008	FD03	Machining of BRG HOUSING Drg.No:- 4-56-115-01874	NO
282	LM	LM0018	FD13	Machining of LEVER BOSS EXCEPT KEYWAY Drg.No:- 4-56-132-02649	NO
283	LM	LM0018	FD20	Machining of PIN I AND II Drg.No:- 4-56-132-02653 4-56-13202654	NO
284	LM	LM0008	FD30	Machining of HEXAGONAL NUT RH 45512400178/02 45511200645 OR EQUIVALENT	NO
285	LM	LM0008	FD31	Machining of HEXAGONAL NUT LH 45611500368/01 OPSKFAN0124 or equivalent	NO
286	LM	LM0018	FD34	SHAFT FINAL Machining (DIA 63 L 270) including KEY way Drg.No:- 3-56-115-02701	NO
287	LM	LM0018	FD38	SHAFT FINAL Machining (DIA 63 L 150) including KEY way Drg.No:- 3-56-115-02702	NO

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288	LF_LM	LFLM07	FD40	Machining of FLAP FLANGE MORE THAN DIA 160 MM Drg.No:- 4-56-228-03055	NO
289	LM	LM0005	FD44	Machining of Bearing Housing To Drg. 25622700499 25625500052 Or Equivalent. Complete machining as per Drg . Casting will be collected from Shop	NO
290	LF_LM	LFLM07	FD45	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm without Flange Plate Drg.No:- 2-56-115-01381	NO
291	LF_LM	LFLM07	FD46	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm with Flange Plate	NO
292	LF_LM	LFLM07	FD48	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia morethan 100 mm with flange plate	NO
293	LF_LM	LFLM06	FD50	Fabriaction and Machining of Lever Plate to 56 PGMA for Drg.No:- 2-56-115-01381	MT
294	WELD_SPL	WESP01	FG01	TOE GRINDING OF IMPELLER (less than 2 MT) Drg.No:- 0-55-126-00647	MR
295	WELD_SPL	WESP01	FG02	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES (less than 2 MT) Drg.No:- 0-55-126-00647	MR
296	WELD_SPL	WESP01	FG03	TOE GRINDING OF IMPELLER-extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG01	MR
297	WELD_SPL	WESP01	FG04	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES -extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG02	MR
298	HM_SPL	HMSP01	FM01	Machining of 11 SIZE CYLINDER ASSY Drg.No:- 1-55-214-00423	NO
299	HM_SPL	HMSP01	FM02	Machining of 12 SIZE CYLINDER ASSY Drg.No:- 2-55-335-00746	NO
300	HM_SPL	HMSP01	FM03	Machining of 16 SIZE CYLINDER ASSY Drg.No:- 1-55-216-00439	NO
301	HF_SPL	HFSP02	FN61	CC PL Fabrication up to 100 KGS (Naxtra Matl) Drg.No:- 2-56-134-00752	NO
302	HF_SPL	HFSP02	FN62	CC PL Fabrication up to 100-150 KGS (Naxtra Matl)	NO
303	LM	LM0006	FP01	Manufacture of Fixing Pin of Length upto and including 250 mm Drg.No:- 6-16-00130	NO
304	LM	LM0006	FP02	Manufactur of Fixing Pin of Length above 250 mm Drg.No:- 6-16-00130	NO
305	HF_HM	HFHM02	FP05	Machining pre-grinding chrome plating and post grinding of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). Fabricated piston after MPI to be collected from shop. For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	NO

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306	HF_HM	HFHM02	FP06	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	NO
307	HF_HM	HFHM02	FP07	Machining pre-grinding chrome plating and post grindingof Piston assy of 16S (0-55-216-00461) . Fabricated piston assy after MPI to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	NO
308	HF_HM	HFHM02	FP08	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 16S (0-55-216-00461) . ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	NO
309	LF	LF0002	FR02	Complete manufacture of Frame 2 as per Drg 1-79-020-02472	NO
310	HM	HM0001	FS71	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 300 Raw Material Issued weight less than 500 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	MT
311	HM	HM0001	FS72	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 300 Raw Material Issued weight above 500 Kg less than 1000 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	MT
312	HM	HM0001	FS73	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 and up to 400 Raw Material Issued weight less than 1000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	MT

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313	HM	HM0001	FS74	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 up to 400 Raw Material Issued weight above 1000 kgs up to 2000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	MT
314	HM	HM0001	FS75	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 400 up to Lessthan 500 Raw Material Issued weight above 2000 kgs up to 3000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	MT
315	HM	HM0001	FS76	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 500 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weigh)(The rate of T-and-B Scrap generated is deductible from this rate)	MT
316	HM	HM0001	FS77	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 600 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weigh)(The rate of T-and-B Scrap generated is deductible from this rate)	MT
317	HM	HM0001	FS78	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 600 Raw Material Issued weight less than 5000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weigh)(The rate of T-and-B Scrap generated is deductible from this rate)	MT
318	HM	HM0001	FS85	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight Less than 3000	NO
319	HM	HM0001	FS86	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight morethan 3000 Kg and Less than 5000 Kg	NO
320	HM	HM0001	FS87	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight morethan 5000 Kg and Less than 10000 Kg.	NO

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321	LM_SPL	LMSP03	FW01	WEAR PLATE DRILLING UPTO THICK 8 MM Drg.No:- 2-56-124-04151	HO
322	LM_SPL	LMSP03	FW02	WEAR PLATE DRILLING MORETHAN THICK 8 MM AND UPTO 10 MM	HO
323	LF_LM	LFLM04	GF01	Fabrication and Machining of BRACKET FOR GATES Drg.No:- 3-57-999-08161	MT
324	FAB_MACH_SPL	FMSP08	GF04	Fabrication and Machining of CHAIN GUARD Drg.No:- 2-57-010-00215	MT
325	HF	HF0004	GF11	Fabrication of Gate Frame Fabrication (upto 2 MT) Drg.No:- 1-57-460-00039 1-57-460-00047	MT
326	HF	HF0004	GF12	Fabrication of Gate Frame Fabrication (above 2 MT up to 3 MT)	MT
327	HF	HF0004	GF13	Gate Frame Fabrication (Above 3MT upto 4MT)	MT
328	FAB_MACH_SPL	FMSP08	GF14	Fabrication of Slot Cover Drg.No:- 3-57-999-11913	NO
329	LF	LF0005	GF17	Fabrication of Door Cover Assembly using Pressed Door cover issued free by BHEL Drg.No:- 6-17-20096	NO
330	HF	HF0004	GF18	Gate Frame Fabrication (Above 4MT upto 6MT)	MT
331	LF_SPL	LFSP02	GF19	Forming of Door Cover by Pressing. Drg.No:- 6-17-20096	NO
332	LM	LM0006	GM05	Machining of CHAIN PIN UPTO DIA 16 MM Drg.No:- 3-48-460-35791	NO
333	LM	LM0006	GM06	Machining of CHAIN PIN ABOVE D16 UPTO DIA 22 MM	NO
334	LM	LM0006	GM07	Machining of CHAIN PIN ABOVE D22 UPTO DIA 32 MM	NO
335	LM	LM0016	GM22	Fabrication and Machining of ADJ/CO LINK ABOVE M16 UPTO M24 Drg.No:- 3-57-113-01100	NO
336	LM	LM0016	GM23	Machining of ADJ/CO LINK ABOVE M24 UPTO M36	NO
337	LM	LM0006	GM25	Machining of BRG HOLDER OD UPTO 50 MM	NO
338	LM	LM0016	GM26	Machining of BRG HOLDER OD 51 TO 80 MM	NO
339	LM	LM0016	GM27	Machining of BRG HOLDER OD 81 TO 125 MM Drg.No:- 4-48-013-35173	NO
340	LM	LM0016	GM36	Machining BOSS WITHOUT KEY BORE ABOVE 51MM UPTO 90 MM	NO
341	LM	LM0016	GM40	Machining of GLANDS ABOVE DIA 50 MM UPTO DIA 80 MM	NO
342	LM	LM0016	GM41	Machining of GLANDS ABOVE DIA 80MM UPTO DIA 125 Drg.No:- 3-48-013-33559	NO
343	LM	LM0016	GM42	Machining of GLANDS ABOVE DIA 125 UPTO DIA 165	NO
344	LM	LM0016	GM48	Machining of KNUCKLE LH/RH ABOVE M16 UPTO M24 Drg.No:- 3-48-003-55854 3-48-003-55855	NO
345	LM	LM0016	GM49	Machining of KNUCKLE LH/RH ABOVE M24 UPTO M36	NO
346	LM	LM0016	GM51	Machining of KNUCKLE CENTRE UPTO M24 Drg.No:- 3-48-003-55856	NO
347	LM	LM0016	GM52	Machining of KNUCKLE CENTRE ABOVE M24 UPTO M36	NO
348	LM	LM0016	GM57	Machining of LINKAGE BRG HOLDER Drg.No:- 2-48-003-40623	NO
349	LM	LM0006	GM67	Machining of GLAND PLATES AND FOLLOWER PLATES UPTO BORE DIA 85MM OF GLAND PLATE Drg.No:- 4-48-013-35943 4-48-013-35945	NO
350	LM	LM0006	GM68	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 85 MM UPTO 105 MM OF GLAND PLATE	NO
351	LM	LM0006	GM69	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 105 MM UPTO 115 MM OF GLAND PLATE	NO

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352	LM	LM0016	GM74	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04635 - (ID 83 mm)	NO
353	LM	LM0016	GM75	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04636 - (ID 95 mm)	NO
354	HM	HM0005	GS30	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-490-01403	NO
355	HM	HM0005	GS31	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-07173	NO
356	HM	HM0005	GS32	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-00118	NO
357	HM	HM0005	GS33	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-17045	NO
358	HM	HM0005	GS34	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-15949	NO
359	HM	HM0005	GS37	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-11943	NO
360	HM	HM0005	GS38	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-14548	NO
361	HM	HM0005	GS39	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-11327	NO
362	HM	HM0005	GS40	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14549	NO
363	HM	HM0005	GS41	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-480-07393	NO
364	HM	HM0005	GS42	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-460-01428	NO
365	HM	HM0005	GS43	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-02616	NO
366	HM	HM0005	GS44	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-02099	NO
367	HM	HM0005	GS45	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-03493	NO
368	HM	HM0005	GS46	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14315	NO
369	HM	HM0005	GS47	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-07404	NO
370	HM	HM0005	GS51	Complete manufacture of Drive Shaft Dia upto 200-Length upto 3 Mtr Drg.No:- 3-57-490-06389	MT
371	HM	HM0005	GS52	Complete manufacture of Drive Shaft Dia upto 200 Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-16499	MT
372	HM	HM0005	GS54	Complete manufacture of Idler Shaft Dia upto 200 -Length upto 3 Mtr Drg.No:- 3-57-490-16500	MT
373	HM	HM0005	GS57	Complete manufacture of Drive Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15139	MT
374	HM	HM0005	GS58	Complete manufacture of Drive Shaft Dia upto 110 -Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-460-11919	MT
375	HM	HM0005	GS60	Complete manufacture of Idler Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15140	MT
376	HM	HM0005	GS64	Complete manufacture of Drive Shaft Dia upto 80 -Length above 3 Mtr to 4 Mtr	MT

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377	HM	HM0005	GS78	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length 500 to 650 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate) For Drg.No:- 4-57-423-05813	NO
378	HM	HM0005	GS79	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length above 650mm and up to 800 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-999-02148	NO
379	HM	HM0005	GS80	Machining Of Stub Shaft Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 400mm to 500 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). From Drg.No:- 4-57-999-02105	NO
380	HM	HM0005	GS81	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 800mm to 1000mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate).For Drg.No:- 4-57-223-04511	NO
381	HM	HM0005	GS82	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1000mm and upto 1150mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-083-05509	NO
382	HM	HM0005	GS83	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1150mm and upto 1300mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Sc Drg.No:- 4-57-383-03579	NO
383	HM	HM0004	HB01	Horizontal Boring in Support Body-11 size (Rough Machining) Drg.No:- 1-55-214-00204	NO
384	HM	HM0004	HB02	Horizontal Boring in Support Body-12 size (Rough Machining) Drg.No:- 1-55-214-00890	NO
385	LM	LM0008	HM01	Machining of Spanner (Hexagonal Hollow Milling) Drg.No:- 6-17-20104	NO
386	HM_SPL	HMSP10	IC01	Machining of Impeller Cover as per drawing (2-55-214-00817 2-55-334-00978). Fabricated Material to be collected from shop	NO
387	HM_SPL	HMSP10	IC02	Machining of Impeller Cover as per drawing (2-55-334-01035). Fabricated Material to be collected from shop	NO
388	HM_SPL	HMSP10	IG08	HUB MACHINING TO DRG 20A106009 20A107024	NO
389	HF_LM	HFLM02	IG10	Fabriaction and Machining of BLADES FOR REGULATING GEAR UPTO DIA 2500 MM AND ALSO TO DRG:10A007002	NO

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390	HF_LM	HFLM02	IG11	Fabriaction and Machining of BLADES WITH SHAFT FOR IGV UPTO 650 MM for Drg.No:- 2-56-114-03365	NO
391	HF_LM	HFLM02	IG12	Fabriaction and Machining of BLADES WITH SHAFT FOR IGV > 650 MM UPTO 1600MM for Drg.No:- 2-56-114-03365	NO
392	HF_LM	HFLM02	IG13	Fabriaction and Machining of BLADES SHAFTS FOR IGV ASSYS UPTO 1600MM DIA AND ALSO TO DRG:25512600212	NO
393	HF_LM	HFLM02	IG14	Fabriaction and Machining of IGV CONTROL LINK FOR IGV ASSYS DIA UPTO 1600MM AND ALSO TO DRG:25611302289/05 25611302190	NO
394	HF_LM	HFLM02	IG15	Fabriaction and Machining of REGULATING RING FOR IGV ASSYS DIA UPTO 1600MM Drg.No:- 2-55-112-00468	NO
395	HF_LM	HFLM02	IG16	Fabriaction and Machining of IGV SHAFT BUSH AND ALSO TO DRG:45512400144	NO
396	WELD_SPL	WESP01	IN01	Impeller Welding for Naxtra Matl. Fillet size upto 8 mm (with E11018 Electrode) Drg.No:- 1-56-114-03737	MR
397	WELD_SPL	WESP01	IN02	Impeller Welding for Naxtra Matl. Fillet size 9 mm to 10 mm (with E11018 Electrode)	MR
398	WELD_SPL	WESP01	IN03	Impeller Welding for Naxtra Matl. Fillet size 11mm to 12 mm (with E11018 Electrode)	MR
399	WELD_SPL	WESP01	IN05	Impeller Welding for Naxtra Matl. Fillet size 15mm to 16 mm (with E11018 Electrode)	MR
400	WELD_SPL	WESP01	IW01	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE UP TO 8 MM Drg.No:- 0-56-135-00679	MR
401	WELD_SPL	WESP01	IW02	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 9 MM TO 10 MM	MR
402	WELD_SPL	WESP01	IW03	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 13 MM TO 14 MM	MR
403	WELD_SPL	WESP01	IW04	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 11 MM TO 12 MM	MR
404	WELD_SPL	WESP01	IW05	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 15 MM TO 16 MM	MR
405	LM	LM0017	KY01	Machining of Keys made out of Rod Dia < 16 length upto 100 mm	NO
406	LM	LM0017	KY04	Machining of Keys made out of Rod Dia < 32 length upto 100	NO
407	LM	LM0017	KY05	Machining of Keys made out of Rod Dia < 32 length 100 - 150 mm	NO
408	LM	LM0017	KY06	Machining of Keys made out of Rod Dia < 32 length 150 - 250 mm	NO
409	LM	LM0017	KY07	Machining of Keys made out of Rod Dia < 50 length upto 100 mm	NO
410	LM	LM0017	KY08	Machining of Keys made out of Rod Dia < 50 length 100- 150 mm	NO
411	LM	LM0017	KY09	Keys made out of Rod Dia < 50 length 150 - 250 mm	NO
412	LM	LM0017	KY10	Machining of Keys made out of Rod Dia < 80 length upto 100	NO
413	LM	LM0017	KY11	Machining of Keys made out of Rod Dia < 80 length 100 - 150 mm	NO
414	LM	LM0017	KY12	Machining of Keys made out of Rod Dia < 80 length 150 - 250 mm	NO

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415	LM	LM0006	LF13	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-10	NO
416	LM	LM0006	LF14	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-11	NO
417	HF	HF0004	LF15	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 83. (Studs supplied by BHEL)	MT
418	HF	HF0004	LF16	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 95. (Studs supplied by BHEL)	MT
419	LM_EXTRA	LMEX01	MR01	Material removal u/operation done using Lathe by OD Turning (If example if Rod dia 25 is substituted by Rod Dia 40 this rate is applicable for the difference in weight. Ie. applicable for the portion of machiing done EXTRA than originally planned for))	MT
420	LM_EXTRA	LMEX01	MR02	Material removal u/operation done using Lathe by ID Boring (applicable for the portion of machiing done EXTRA than originally planned for)	MT
421	LM_EXTRA	LMEX01	MR03	Material removal u/operation done using Milling(applicable for the portion of machiing done EXTRA than originally planned for)	MT
422	LM	LM0008	PA01	Machining of ADAPTOR FP 3/8 inch from BMC45 Rod D50 L25 to Drg.No. 45521400296/02(0.02 Kg/No.) or equivalent	NO
423	LM	LM0001	PA10	Machining of ADJUSTING DISC FINISHED PART to Drg.No. 25533500749 or equivalent	NO
424	LM_SPL	LMSP01	PA20	Complete Machining of ADJUSTING LEVER R50 from unmachined casting to Drg.No. 25533400805 (0.4 Kg/No.) or equivalent	NO
425	LM_SPL	LMSP01	PA21	Machining of Adjusting lever to drg: 2-55-227-01740 or equivalent. Lever forgings to be collected from store.	NO
426	LM_SPL	LMSP01	PA22	Machining of Adjusting lever to drg:2-55-227-02044 or equivalent. Lever forgings to be collected from store.	NO
427	LM_SPL	LMSP01	PA23	Machining of Adjusting lever to drg:2-55-228-01604 or equivalent. Lever forgings to be collected from store.	NO
428	LM_SPL	LMSP04	PA24	Complete machining of ACTUATING RING from PI 32 as per drg 4-55-216-00978 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
429	LM_SPL	LMSP04	PA25	Complete machining of CONNECTING COVER from PI 40 with dia 750-850mm as per drg 2-55-335-02164 or equivalent including drilling and tapping. Prepared material to be collected from shop. No drill jig will be issued from shop.	NO
430	LM_SPL	LMSP04	PA26	Complete machining of THRUST DISC from PI 120 with dia 350-450mm as per drg 2-55-335-01794 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
431	LM_SPL	LMSP04	PA27	Complete machining of THRUST DISC from PI 55 with dia 550-650 mm as per drg 2-55-328-02073 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO

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432	LM_SPL	LMSP04	PA28	Complete machining of THRUST DISC from PI 63 with dia 400-500mm as per drg 2-55-215-01625 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
433	LM_SPL	LMSP04	PA29	Complete machining of THRUST DISC from PI 63 with dia above 500-650mm as per drg 2-55-227-01598 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
434	LM	LM0013	PA30	Machining of ADJUSTING ROD from SA105-Rod D63 L1100 to Drg.No. 25533500751 (20 Kg/No.) or equivalent	NO
435	LM_SPL	LMSP04	PA31	Complete machining of THRUST DISC from PI 90 with dia 350-450mm as per drg 1-55-215-01773, 2-55-216-02023 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
436	LM_SPL	LMSP04	PA32	Complete machining of THRUST RING from PI 55 with dia 375-425 mm as per drg 3-55-215-01676, 2-55-335-01433 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
437	LM_SPL	LMSP04	PA33	Complete machining of THRUST RING from PI 63 with dia 375-425 mm as per drg 2-55-216-01411 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
438	LM_SPL	LMSP04	PA34	Complete machining of THRUST RING from PI 90 with dia 700-750mm as per drg 3-55-227-01927, 3-55-227-02192 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
439	LM_SPL	LMSP05	PA35	Complete machining of SHAFT SPACER as per drg 3-55-335-01410 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
440	LM_SPL	LMSP05	PA36	Complete machining of SPACER RING from PI 32 as per drg 4-55-227-02667 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
441	LM_SPL	LMSP05	PA37	Complete machining of SPACER RING from PI 63 as per drg 4-55-227-02766 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
442	LM_SPL	LMSP05	PA38	Complete machining of tension ring/pre load ring from PI 63 including grinding,drilling, tapping,etc to drg 2-55-335-01316, 2-55-335-01317 or equivalent. OD, ID cut prepared material to be collected from shop.	NO
443	LM_SPL	LMSP04	PA39	Complete machining of THRUST DISC from PI 75 with dia 350-450mm as per drg 2-55-216-01410, 2-55-335-01603 or equivalent including drilling and tapping. Prepared material to be collected from shop.	NO
444	LM_CNC	LMCN01	PA43	Machining of ARRESTING RING from SA105-Rod D200 L23 to Drg.No. 45521400256/04(1.7 Kg/No.) or equivalent	NO
445	LM_CNC	LMCN01	PA44	Machining of ARRESTING RING from SA105-Rod D200 L33 to Drg.No. 45521400480/03 (1.2 Kg/No.) or equivalent	NO
446	LM	LM0003	PA60	Machining of Axial Roler Brg 51308 to Drg.No. 45521400315/02 (0.55 Kg/No.) or equivalent	NO

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447	LM	LM0006	PB01	Machining of Packing Box (tube supplied instead of Rod)Drg.No:- 6-17-20086	MT
448	LM	LM0006	PB02	Machining of Packing Box (Rod) Drg.No:- 6-17-20086	MT
449	LM_CNC	LMCN03	PB10	Fabriaction and Machining of Bearing Cover-6007 From Sa193B7-Rod D80 L20 To Drg.No. 45533401761(0.15 Kg/No.) Or Equivalent	NO
450	LM	LM0003	PB20	machining of BRG RACE-REWORK from Brg 51406-V ABN to Drg.No. 45533501662 (0.43 Kg/No.) or equivalent	NO
451	LM_CNC	LMCN03	PB30	BLADE SHAFT from 42CrMo4V-Rod D100 L350 to Drg.No. 15533401109(4.518 Kg/NO.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	NO
452	LM_CNC	LMCN03	PB31	BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803(1.15 Kg/No.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY EXCEPT THREADING)	NO
453	LM_CNC	LMCN03	PB32	BLADE SHAFT MACHIING TO DRG 1-55-214-00986 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	NO
454	LM_CNC	LMCN03	PB33	BLADE SHAFT MACHIING TO DRG 1-55-214-01086 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	NO
455	LM_CNC	LMCN03	PB34	BLADE SHAFT MACHIING TO DRG 1-55-214-00172 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	NO
456	LM_CNC	LMCN03	PB37	Complete machining of Blade Shafts 16 Size as per drawing 1-55-216-00435 including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	NO
457	LM_CNC	LMCN03	PB38	Complete machining of Blade Shafts as per drawing (2-55-215-01031)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	NO
458	LM_CNC	LMCN03	PB39	Complete machining of Blade Shafts as per drawing (1-55-334-01137)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	NO
459	LM_CNC	LMCN03	PB41	Complete machining of Blade shaft nut with thread size M100 including drilling, tapping, thread cutting, slotting etc to drg 3-55-228-01657 or equivalent. Forged nuts to be collected from stores	NO
460	LM_CNC	LMCN03	PB42	Complete machining of Blade shaft nut with thread size M75 including drilling, tapping, thread cutting, slotting etc to drg 2-55-328-02066 or equivalent. Forged nuts to be collected from stores.	NO

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461	LM_CNC	LMCN03	PB43	Complete machining of Blade Shafts with M35 thread and length 300-400mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 2-55-335-00748 or equivalent. Forged blade shaft with required machining allowance to	NO
462	LM_CNC	LMCN03	PB44	Complete machining of lock nut with thread size M35 including drilling, tapping, thread cutting, slotting etc to drg4-55-335-001690 or equivalent. Rod dia 80 mm to be collected from stores.	NO
463	LM_CNC	LMCN03	PB45	Complete machining of lock nut with thread size M45 including drilling, tapping, thread cutting, slotting etc to drg 3-55-216-00501 or equivalent. Rod dia 100 mm to be collected from stores.	NO
464	LM	LM0015	PB50	Machining of BUSH from D100 L65 to Drg.No. 35521400218/03 or equivalent	NO
465	LM	LM0015	PB51	Machining of BUSH from Rod D100 L65 to Drg.No. 35533500950/01 (0.5 Kg/No.) or equivalent	NO
466	LM	LM0015	PB52	Machining of BUSH from BMCQ45-Rod D100 L40 to Drg.No. 45521400267/05(0.28 Kg/No.) or equivalent	NO
467	LM	LM0015	PB55	Machining of BUSH from Tube 127 x 20 L60 to Drg.No. 45521401274/02 (0.125 Kg/No.) or equivalent	NO
468	LM	LM0015	PB56	BUSH from SA105-Rod 100 L35 to Drg.No. 45533501661(0.44 Kg/No.) or equivalent	NO
469	LM_CNC	LMCN03	PB58	Complete Manufacture of BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803 25533401034 or equivalent.	NO
470	LM_CNC	LMCN03	PB59	Complete Manufacture of BLADE SHAFT NUT M55 X 2 and M52 X 2 from 42CrMo4V-Forging D130 L100 to Drg.No. 25521501032 25521601687 or equivalent.	NO
471	LM_CNC	LMCN03	PB60	Complete Manufacture of BLADE SHAFT NUT M90 X 2 from 42CrMo4V-Forging D200 L145 to Drg.No. 25522701790 or equivalent.	NO
472	LM_CNC	LMCN04	PB61	complete manufacture of bearing/distance bush from plate 75 to 90 mm similar to Drg no 3-55-227-01649 or equivalent . ID, OD cut prepared material to be collected from shop	NO
473	LM_CNC	LMCN04	PB62	complete manufacture of bearing/distance bush from Rod dia 125 similar to Drg no 3-55-215-01769 or equivalent . Raw material to be collected from stores	NO
474	LM_CNC	LMCN04	PB63	complete manufacture of bearing/distance bush from Rod dia 200 similar to Drg no 3-55-328-02100 or equivalent . Raw material to be collected from stores	NO
475	LM_CNC	LMCN04	PB64	complete manufacture of bearing/distance bush with ID groove from plate 50 to 75 mm similar to Drg no 3-55-334-01173, 3-55-334-01009 or equivalent . ID, OD cut prepared material to be collected from shop	NO
476	LM_CNC	LMCN04	PB66	complete manufacture of Support ring and bearing covers from Rod dia 100 mm similar to Drg no 4-55-216-02268, 4-55-216-02261 or equivalent. Raw material to be collected from stores	NO

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477	LM_CNC	LMCN04	PB67	complete manufacture of Support ring and bearing covers from Rod dia 125 to 145 mm similar to drawing 4-55-228-03063, 4-55-228-03056 or equivalent. Raw material to be collected from stores	NO
478	LM_CNC	LMCN04	PB68	complete manufacture of Support ring and bearing covers from Rod dia 80 mm similar to Drg no 4-55-335-02277 or equivalent. Raw material to be collected from stores	NO
479	LM_CNC	LMCN05	PB69	Complete machining of Blade Shafts with M100 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01806 or equivalent. Forged blade shaft with required machining allowance to	NO
480	LM_CNC	LMCN05	PB70	Complete machining of Blade Shafts with M100 thread and length 800-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-228-01618 or equivalent. Forged blade shaft with required machining allowance t	NO
481	LM_CNC	LMCN05	PB71	Complete machining of Blade Shafts with M75 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-328-01870 or equivalent. Forged blade shaft with required machining allowance to	NO
482	LM_CNC	LMCN05	PB72	Complete machining of Blade Shafts with M80 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01682 or equivalent. Forged blade shaft with required machining allowance to	NO
483	LM_CNC	LMCN05	PB73	Complete machining of Blade Shafts with M90 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01872 or equivalent. Forged blade shaft with required machining allowance to	NO
484	LM_CNC	LMCN05	PB74	Complete machining of Blade Shafts with M90 thread and length 800-900mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01713 or equivalent. Forged blade shaft with required machining allowance to	NO
485	LM_CNC	LMCN05	PB75	Complete machining of Blade Shafts with M90 thread and length 900-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01929 or equivalent. Forged blade shaft with required machining allowance to	NO

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486	LM_CNC	LMCN05	PB76	Complete machining of Push/Thrust rod of length 1000-1250 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01095 or equivalent. Forged rod to be collected from stores.	NO
487	LM_CNC	LMCN05	PB77	Complete machining of Push/Thrust rod of length above 1250 upto 1750 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01138, 1-55-335-01615, 1-55-335-01717 or equivalent. Forged rod to be collected from stores.	NO
488	LM_CNC	LMCN05	PB78	Complete machining of Push/Thrust rod of length above 2000 upto 2500 mm including grinding, thread cutting, drilling,etc to drg 1-55-328-01878 or equivalent. Forged rod to be collected from stores.	NO
489	LM_CNC	LMCN06	PB79	Complete machining of SHAFT as per drg 1-55-227-01685 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	NO
490	LF_LM	LFLM06	PC01	Fabriaction and Machining of COMPENSATING WT.(STEEL) 12HUB. to Drg.No. 35533500961(0.63 Kg/No) or equivalentNote: Indicate the deliverable quantity in numbers per month exclusively for this Rate Schedule. (Not withstanding the status of other jobs in hand).	NO
491	LF_LM	LFLM06	PC10	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L110 to Drg.No. 35521600507(1.09 Kg/No) or equivalent	NO
492	LF_LM	LFLM06	PC11	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L95 to Drg.No. 35533500946 (1.5 Kg/No.) or equivalent	NO
493	LF_LM	LFLM06	PC12	Fabriaction and Machining of CONNECTING PIECE from Rod D40 L75 to Drg.No. 35533500955 (1.0 Kg/No.) or equivalent	NO
494	LM	LM0020	PC42	Complete manufacturing of Counter weight from forgings to thickness of 100mm with length 450-550 mm as per drawings like 2-55-227-01407 or equivalent. Forgings to be collected from store.	NO
495	LM	LM0020	PC43	Complete manufacturing of Counter weight from forgings to thickness of 110mm with length 450-550 mm as per drawings like 2-55-227-01599 , 2-55-227-01847 or equivalent. Forgings to be collected from store.	NO
496	LM	LM0020	PC44	Complete manufacturing of Counter weight from forgings to thickness of 120mm with length 500-600 mm as per drawings like 2-55-227-01873 , 2-55-227-01994 or equivalent. Forgings to be collected from store.	NO
497	LM	LM0020	PC45	Complete manufacturing of Counter weight from forgings to thickness of 150mm with length 600-680 mm as per drawings like 3-55-228-01655, 3-55-228-02165 equivalent. Forgings to be collected from store.	NO
498	LM	LM0020	PC46	Complete manufacturing of Counter weight from plate of thickness 120 mm as per drawings like 2-55-328-02060 or equivalent. Prepared material to be collected from shop.	NO

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499	LM	LM0020	PC47	Complete manufacturing of Counter weight from plate 40 mm with length 250-300 mm as per drawings like 3-55-334-02187 or equivalent. Prepared material to be collected from shop.	NO
500	LM	LM0020	PC48	Complete manufacturing of Counter weight from plate 50 mm with length 200-250 mm as per drawings like 3-55-997-01683 or equivalent. Prepared material to be collected from shop.	NO
501	LM	LM0020	PC49	Complete manufacturing of Counter weight from plate 50 mm with length 250-300 mm as per drawings like 3-55-216-01472, 4-55-216-02986 or equivalent. Prepared material to be collected from shop.	NO
502	LM	LM0020	PC50	Complete manufacturing of Counter weight from plate 63 mm and length 250-350 mm as per drawing like 3-55-215-01527, 2-55-215-01699 or equivalent. Prepared material to be collected from shop.	NO
503	LM	LM0020	PC52	Complete manufacturing of Counter weight from plate 75 mm and length 250-300 mm as per drawing like 3-55-216-01886 or equivalent. Prepared material to be collected from shop.	NO
504	LM	LM0020	PC53	Complete manufacturing of Counter weight from plate 75 mm and length above 300 upto 350 mm as per drawing like 2-55-215-01626, 2-55-216-01801 or equivalent. Prepared material to be collected from shop.	NO
505	LM	LM0020	PC54	Machining of Angular ring from pl 32 to drg no 4-55-215-02001 or equivalent. Prepared material to be collected from shop	NO
506	LM	LM0020	PC55	Machining of holding ring from pl 50 to drg no 4-55-227-02679 or equivalent. Prepared material to be collected from shop	NO
507	LM	LM0020	PC56	Complete manufacturing of Counter weight from plate 63 mm and length above 350 upto 400 mm as per drawing like 3-55-216-02059 or equivalent. Prepared material to be collected from shop	NO
508	LM	LM0015	PD01	Machining of DISTANCE BUSH from SA193B7-Rod D100 L40 to Drg.No. 45533401759 (0.3 Kg/No.) or equivalent	NO
509	LM	LM0015	PD10	Machining of DISTANCE RING from Rod D80 L70 to Drg.No. 35521400644/02 (0.74 Kg/No) or equivalent	NO
510	LM	LM0006	PD60	Machining of DUMMY FLANGE from IS2062-Plate 5 x D150 to Drg.No. 45533501647/01 (0.694 Kg/No.) or equivalent	NO
511	LM_CNC	LMCN01	PD61	Complete machining of Connecting /Drive cover as per drg 2-55-334-01041 2-55-334-01037 or equivalent. Cut to size OD835 ID440 from plate 32/40mm will be <u>issued from shop</u> .	NO
512	LM_CNC	LMCN01	PD62	Complete machining of Thrust Disc including Key way as per drg 2-55-335-01319 or equivalent. Casting Dia 400 L175 will be <u>issued from shop</u> .	NO
513	LM_CNC	LMCN01	PD63	Complete machining of Thrust Disc as per drg 2-55-215-01051 or equivalent. Plate Dia 420 L100 will be <u>issued from shop</u> .	NO

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514	LM_CNC	LMCN01	PD64	Complete machining of Drive Flange as per drg 2-55-335-01315 or equivalent. Forging Dia 570 L140 will be <u>issued from shop.</u>	NO
515	LM	LM0006	PF11	Machining of FIXING PIN DIA 10 X 20 from SA105-Rod 22 L35 to Drg.No. 45521601282(0.02 Kg/No.) or equivalent	NO
516	LM	LM0006	PF12	Machining of FIXING PIN from IS2062 GrA D16 L30 to Drg.No. 45533501660 (0.015 Kg/No.) or equivalent	NO
517	LM	LM0013	PF20	Machining of FLANGE from BMC16-Plate 32 D365 to Drg.No. 25521600316(2.05) or equivalent	NO
518	LM	LM0013	PF22	Machining of FLANGE from BMC16-Plate 32x D165 to Drg.No. 45521600862(3.83 Kg/No.) or equivalent	NO
519	LM	LM0013	PF23	Machining of FLANGE from P355NH-Plate 63 x D180 to Drg.No. 45533501669 (8.5 Kg/NO.) or equivalent	NO
520	LM	LM0013	PF24	Machining of FLANGE 2 PARTS to Drg.No. 35521600927 or equivalent	NO
521	LM	LM0013	PF25	Machining of FLANGE 2 PARTS from 2C35-Rod D250 L60 to Drg.No. 45521600972(7 Kg/No.) or equivalent	NO
522	LM	LM0013	PF26	Machining of FLANGE -2PARTS from P355NH-Plate 63 x D180 to Drg.No. 45533501673 (6 Kg/No.) or equivalent	NO
523	LM	LM0006	PF30	Machining of FORK from Rod D40 L70 to Drg.No. 35521400101/02 (0.26 Kg/No.) or equivalent	NO
524	LM	LM0008	PH01	Machining of HEX SCREW M20X80 (RE WORK) from SA193B7-Rod D40 L100 to Drg.No. 45521600850(0.184 Kg/No.) or equivalent	NO
525	HM	HM0006	PL01	Machining of LEVER BOSS D83 KEYWAY AND TAP to Drg.No. 35720301162 or equivalent	NO
526	LM_SPL	LMSP01	PL02	Complete Machining of LEVER to Drg.No. 25521400169/03 or equivalent	NO
527	LM_SPL	LMSP01	PL03	Complete Machining of LEVER to Drg.No. 25521600376 or equivalent	NO
528	LM_SPL	LMSP01	PL04	Complete Machining of LEVER to Drg.No. 35533500945 or equivalent	NO
529	LM_SPL	LMSP01	PL05	Complete Machining of ADJUSTING LEVER R50 to Drg.No. 25533400804 or equivalent	NO
530	LM_SPL	LMSP01	PL06	Complete machining of Lever as per drawing 2-55-215-01033 2-55-215-01460.Raw casting to be collected from stores	NO
531	LM	LM0006	PL10	Machining of LIFTING EYE from BMC20-Plate 10x80x100 Plate 20 x D105 to Drg.No. 35521400119/01 (1.5 Kg/No.) or equivalent	NO
532	LM	LM0008	PL20	Machining of LOCATING PIN D12x20 from SA193B7-rod 25 L30 to Drg.No. 45521401782(0.016 Kg/No.) or equivalent	NO
533	LM	LM0017	PL30	Machining of LOCK KEY 3X10X16 from P355NH-Plate 5 to Drg.No. 45533401757 (0.004 Kg/No.) or equivalent	NO
534	LM	LM0008	PL31	Machining of LOCKING NUT M30x1.5 from SA193B7-Rod D80 L37 to Drg.No. 25521400173/03 Drg.No. OPSKFAN00121 or equivalent	NO
535	LM	LM0008	PN01	Machining of NUT from NUT M35x1.5 to Drg.No. 45533501690/01 (0.710 Kg/No.) or equivalent	NO
536	LM	LM0008	PN02	Machining of NUT M35 X 1.5 to Drg.No. OPSfan00678 or equivalent	NO

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537	LF_LM	LFLM04	PP01	Machining of Oil Drain Branch To Drg.No. 35521600390 Or Equivalent	NO
538	LF_LM	LFLM04	PP02	Machining of Oil Drain Branch To Drg.No. 35533500940 Or Equivalent	NO
539	LM_CNC	LMCN01	PP08	Machining of OIL SUPPLY HEAD to Drg.No. 25521400178 or equivalent	NO
540	LM_CNC	LMCN01	PP09	Machining of OIL SUPPLY HEAD to Drg.No. 35521600512 or equivalent	NO
541	LM	LM0006	PP12	Machining of PLUG SCREW M48X1.5 from SA193B7-Rod D63 L45 to Drg.No. 45521601288 (0.5 Kg/No.) or equivalent	NO
542	LM	LM0003	PP15	Machining of PRESSING RING to Drg.No. 35521600500/01 or equivalent	NO
543	LM	LM0003	PP16	Machining of PRESSING RING to Drg.No. 35533500944 or equivalent	NO
544	LM	LM0003	PP17	Rework of Bearing race of AP impellers as per drg 3-55-227-01862, 4-55-216-01019 or equivalent. Bearing race to be collected from shop.	NO
545	LF	LF0005	PR01	Fabrication of PIN RACK BAR Drg.No:- 4-52-010-03299	MT
546	LM	LM0010	PR06	Machining of RING from SA105 Rod D80 L10 to Drg.No. 45521400479/01 (0.01 Kg/No.) or equivalent	NO
547	LM	LM0010	PR11	Machining of RING from SA105-Rod D165 L25 to Drg.No. 45521600973 (1.5 Kg/No.) or equivalent	NO
548	LM	LM0010	PR12	Machining of RING from SA105-Rod 125 L30 to Drg.No. 45521600974 (0.4 Kg/No.) or equivalent	NO
549	LM	LM0010	PR13	Machining of RING from SA105-Rod D125 L20 to Drg.No. 45521601016/01 (0.4 Kg/No.) or equivalent	NO
550	LM	LM0010	PR14	Machining of RING from SA105-Rod80 L10 to Drg.No. 45533501645(0.01 Kg/No.) or equivalent	NO
551	LM	LM0010	PR15	Machining of RINGD80x10 from SA105-Rod DIA 100 x 15 to Drg.No. 45533501658(0.23 Kg/No.) or equivalent	NO
552	LM_CNC	LMCN01	PR20	Complete machining of Thrust Ring I and II as per drg 2-55-335-01321 or equivalent. Cut to size Dia 390 from plate 55 mm will be issued.	NO
553	LM_CNC	LMCN01	PR21	Complete machining of Operating Ring as per drg 2-55-334-01040 or equivalent. Forging Dia 420 L120 will be issued.	NO
554	LM_CNC	LMCN01	PR22	Complete machining of Operating Ring as per drg 2-55-335-01322 or equivalent. Casting Dia 400 L200 will be issued.	NO
555	LM	LM0011	PS01	Machining of SCR.PLUG M30X1.5 to Drg.No. 45521400474/02 (0.2 Kg/No.) or equivalent	NO
556	LM	LM0011	PS02	Machining of SCREW PLUG from BMCQ45-Rod D16 L20 to Drg.No. 45521400277/02 (0.01 Kg/No.) or equivalent	NO
557	LM	LM0011	PS03	Machining of SCREW PLUG 3/8 inch FP from Hex Screw M20x50 to Drg.No. 45521400469/03 (0.2 Kg/No.) or equivalent	NO
558	LM	LM0011	PS06	Machining of SCREW PLUG M18X1 from BMCQ45-Rod D32 L45 to Drg.No. 45521400482/02 (0.05 Kg/No.) or equivalent	NO
559	LM	LM0010	PS30	Machining of STOP RING from SA105-Rod 200 L25 to Drg.No. 45521600979 (1 Kg/No.) or equivalent	NO

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560	LM	LM0011	PS51	Machining of SUPPORT COVER from Sa193B7-Rod D80 L15 to Drg.No. 45533401762 (0.13 Kg/No.) or equivalent	NO
561	LM	LM0010	PS54	Machining of SUPPORTING RING from SA105 Rod D165 L20 to Drg.No. 45521400475/01 (0.4 Kg/No.) or equivalent	NO
562	LM	LM0010	PS64	complete machining of Cover of oil drain from PI 18 upto dia 110 mm to drg no 4-55-215-02699 or equivalent. Raw material to be collected from stores.	NO
563	LM	LM0010	PS65	complete machining of Cover of oil drain from PI 18 with dia 110-120 mm to drg no 4-55-216-02941 or equivalent. Raw material to be collected from stores.	NO
564	LM	LM0010	PS66	complete machining of Cover of oil drain from PI 18 with dia above 120 upto 145 mm to drg no 4-55-328-03022 or equivalent. Raw material to be collected from stores.	NO
565	LM	LM0010	PS67	complete machining of Cover of oil drain from PI 18 with dia above 145 mm upto 165mm to drg no 4-55-227-02761 or equivalent. Raw material to be collected from stores.	NO
566	LM	LM0010	PS68	Complete machining of Lifting device from PI 50/55 including drilling and tapping. Drg like 3-55-215-02065, 3-55-334-02057, 3-55-215-02062, 3-55-215-01997 or equivalent.OD cut blanks to be collected from shop.	NO
567	LM	LM0010	PS69	Complete machining of Lifting device from PI 75 including drilling and tapping. Drg like 3-55-328-02106 or equivalent. OD cut blanks to be collected from shop.	NO
568	LM	LM0010	PS70	Complete machining of Lifting device from PI 90 including drilling and tapping.Drg like 3-55-227-01928, 3-55-227-02103 or equivalent. OD cut blanks to be collected from shop.	NO
569	LM	LM0010	PS71	complete machining of oil drain from Rod Dia 110 to drg no 3-55-215-01848 or equivalent. Rod to be collected from stores.	NO
570	LM	LM0010	PS72	complete machining of oil drain from Rod Dia 120 to drg no 3-55-216-02064 or equivalent. Rod to be collected from stores.	NO
571	LM	LM0010	PS73	complete machining of oil drain from Rod Dia 160 to drg no 3-55-328-02108 or equivalent. Rod to be collected from stores.	NO
572	LM	LM0010	PS74	complete machining of oil drain from Rod Dia 165 to drg no 3-55-227-01874 or equivalent. Rod to be collected from stores.	NO
573	LM	LM0010	PS75	complete machining ofOil ring from PI32 including drilling and tapping to drg no 4-55-227-02668 or equivalent. Prepared material to be collected from shop.	NO
574	LM	LM0010	PS76	complete machining ofOil ring from PI50 including drilling and tapping to drg no 4-55-227-02662 or equivalent. Prepared material to be collected from shop.	NO
575	LM	LM0008	PT03	Machining of THRUST ROD NUT to Drg.No. 35533401012 or equivalent	NO

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576	LM_CNC	LMCN02	PT04	Complete machining of Thrust Rod as per drg 2-55-335-01420 or equivalent. Forging Dia 160 L1800 will be issued.	NO
577	LF_LM	LFLM04	R100	Poke Tube Assy (Economic cutting plan to be followed for example in drg. 6172-0147 a length of 1115 mm will be issued for two pieces to be cut at 45 Deg. for effective utilisation of material.)	NO
578	LF_LM	LFLM04	R101	Fabrication and Machining of Support Bracket Drg.No:- 6-17-20153	NO
579	LM_CNC	LMCN02	R140	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg 1-55-335-00886 1-55-334-00975	NO
580	LM_CNC	LMCN02	R141	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores . Drg.1-55-334-01135 1-55-335-01416	NO
581	LM_CNC	LMCN02	R142	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-216-00399 1-55-215-01144	NO
582	LM_CNC	LMCN02	R143	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-214-00985	NO
583	LM_CNC	LMCN02	R145	Machining of Shaft with bearing assy (NDM 11 Type) drg. 1-56-171-01280/05 1-56-132-01497/01 type) as per drg/QWI	NO
584	LM_CNC	LMCN02	R148	Complete machining of SHAFT as per drg 1-55-215-01704 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	NO
585	LM_CNC	LMCN02	R149	Complete machining of SHAFT as per drg 1-55-216-01840 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	NO
586	LM_CNC	LMCN02	R150	Complete machining of SHAFT as per drg 1-55-216-01889 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	NO
587	LF	LF0004	R151	Fabrication of COLD END BASKETS FULL SECTOR BASKETS Drg.No:- 2-52-010-00531 2-52-010-00532 2-52-010-00533 2-52-010-00534	MT
588	LF	LF0004	R152	Fabrication of HOT END BASKETS Drg.No:- 2-52-010-00539 2-52-010-00540 2-52-010-00541 2-52-010-00542 2-52-010-00543	MT
589	HF	HF0002	R153	Fabrication of CONTROL FRAMES I II AND III(SIDE / CENTRE) for Drg.No:- 2-56-228-02640	MT
590	LF	LF0004	R157	Fabrication of HOT END HEATING ELEMENT BASKETS-MODIFIED DESIGN (representative Drg. 2-52-025-00140 where Rev-04 is for earlier Design and rev-05 is for modified design)	MT
591	LM	LM0006	RS81	Machining of GLAND Drg.No:- 6-17-20093	NO

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592	LM	LM0006	RS82	Machining of PAD Drg.No:- 6-17-20077	NO
593	LM	LM0008	RS84	Machining of BEARING Drg.No:- 6-17-20089	NO
594	LF_LM	LFLM04	RS86	Fabrication and Machining of SUPPORTING FLANGE Drg.No:- 6-17-20159	NO
595	LF_LM	LFLM04	RS87	Fabrication and Machining of ALIGNMENT JIG Drg.No:- 6-17-20091	NO
596	LM	LM0006	RS88	Machining of ADJUSTING SCREW for Drg.No:- 3-79-013-00126	NO
597	LF_LM	LFLM04	RS89	Machining of SLEEVE FOR THERMOSTAT Drg.No:- 6-17-20190	NO
598	LM	LM0005	RS90	Machining of SHAFT - I Drg.No:- 6-17-20068	NO
599	LM	LM0005	RS91	Machining of SHAFT - II for Drg.No:- 3-77-017-01853	NO
600	LM	LM0005	RS93	Machining of DRIVING SHAFT for Drg.No:- 4-55-215-01143	NO
601	LM	LM0005	RS94	Machining of SHAFT Drg.No:- 6-17-20069	NO
602	LF_LM	LFLM01	RS95	Fabrication and Machining of PIN WHEEL - I Drg.No:- 6-17-0087	NO
603	LF_LM	LFLM01	RS96	Fabrication and Machining of PIN WHEEL - II Drg.No:- 6-17-0088	NO
604	LM	LM0008	RS97	GRIP COUPLING Drg.No:- 6-17-20174	NO
605	HF_LM	HFLM01	SF01	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING). Drg.No:- 0-52-041-00685	MT
606	HF_LM	HFLM01	SF02	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) Drg.No:- 0-52-041-00681	MT
607	HF_LM	HFLM01	SF03	FABRICATION OF INTERNALS (INCLUDING OUTBOARD-LINK AND BLOCK-ASSY ADJUSTER-BLOCK-ASSY SHIM-PACK ROLLER HINGE-PIN) FOR COLD END/HOT END SECTOR-PLATE-ASSY	MT
608	HF_LM	HFLM01	SF04	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING).EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS Drg.No:- 0-52-042-01659	MT
609	HF_LM	HFLM01	SF05	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) .EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS IS Drg.No:- 0-52-041-01637	MT
610	SPL	SP0002	SN01	CYLINDER NITRIDING 11 AND 12 Sizes- including Testing at approved lab Drg.No:- 1-55-214-00423 2-55-335-00746	MT
611	SPL	SP0002	SN02	CYLINDER NITRIDING - 16 SIZE- including Testing at approved lab Drg.No:- 1-55-216-00439 1-55-216-00952	MT

Section - IIIA

Enquiry No:-		661001E	Dt.10.01.2022		
Total Rate Schedule List (Rate Schedule wise) with Group Indication					
612	HM_SPL	HMSP02	SP06	Machining of Sector Plate Assy to various drg. Area per no. UPTO 4 Sq.Mtr (T ANDB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining. Drg.No:- 0-52-041-00981	SM
613	HM_SPL	HMSP02	SP07	Machining of Sector Plate Assy to various drg. Area per no. morethan 4 Sq.Mtr UPTO 4.5 Sq.Mtr (T ANDB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
614	HM_SPL	HMSP02	SP08	Machining of Sector Plate Assy to various drg. Area per no. morethan 4.5 Sq.Mtr. UPTO 5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
615	HM_SPL	HMSP02	SP09	Machining of Sector Plate Assy to various drg. Area per no. morethan 5 Sq.Mtr. UPTO 5.5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
616	HM_SPL	HMSP02	SP10	Machining of Sector Plate Assy to various drg. Area per no. morethan 5.5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
617	LM	LM0006	TK01	Machining ofScrew Rod To Drg. 45500001067 45600001961 Or Equivalent	NO
618	LM	LM0006	TK02	Machining of GUIDE RING to drg. 3550000660 45500001061 or equivalent	NO
619	LF_LM	LFLM04	TK03	Fabriaction and Machining of FIXTURE FOR JEWEL BEARING AND ALSO TO DRG NO: 35500000519/01 35500000828 45500001123 45600001946 or equivalent	NO
620	LF_LM	LFLM04	TK04	Fabrication and Machining of FIXTURE FOR LOCK NUT AND ALSO TO DRG NO:35500000520/01 35500000521 or equivalent	NO
621	LM	LM0006	TK05	Machining of MANDREL AND ALSO TO DRG NO:45500001075 45600001957 OR EQUIVALENT	NO
622	LM	LM0006	TK06	Machining of SCREW JACK AND ALSO TO DRG NO:35500000517 35600001596 OR Equivalent	NO
623	LM	LM0006	TK07	machining of SCREW ROD to drg. 45500001067 45600001961 or equivalent	NO
624	HM_SPL	HMSP11	VT01	VTL Operation in Support Body-11 size Drg.No:- 1-55-214-00204	NO
625	HM_SPL	HMSP11	VT02	VTL Operation in Support Body-12 size Drg.No:- 1-55-335-00890	NO
626	HM_SPL	HMSP15	VT15	Complete machining of bearing housing drg no 0-55-335-01269 including all VTL operations, milling, drilling and tapping. Bearing housing castings to be collected from shop after heat treatment.	NO
627	HM_SPL	HMSP05	D82Q	Complete machining of Bearing Covers as per drg (2-55-216-00315 2-55-216-00317 1-55-215-01143) including drilling tapping and slotting etc.. Casting/Prepared material to be collected from shop.	NO
628	HM_SPL	HMSP05	D82R	Complete machining of Bearing Covers as per drg (1-55-335-01417) including drilling tapping and slotting etc. <u>Casting/Prepared material to be collected from shop.</u>	NO

Section - IIIA

Enquiry No:- 661001E Dt.10.01.2022					
Total Rate Schedule List (Rate Schedule wise) with Group Indication					
629	FAB_MACH_SPL	FMSP01	DC15	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00918/03	MT
630	FAB_MACH_SPL	FMSP01	DC29	Fabrication Of Core Alone Of Diffuser Drg.0-55-335-01127	MT
631	LM	LM0019	DE2E	Fabrication and Machining of FDN BOLTS M63 and above all variants (WITHOUT PAINTING) Drg.No:- 3-79-080-01103	NO
632	FAB_MACH_SPL	FMSP01	DS13	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00892/04	MT
633	FAB_MACH_SPL	FMSP08	GF20	FABRICATION OF FLOW DIVIDER 4-57-430-25346 or equivalent	NO
634	LM	LM0013	PA61	Machining ofADJUSTING RING from P355NH-Plate 55xD300 to Drg.No. 35521401020(7.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
635	LM	LM0013	PA62	Machining of ADJUSTING RING from WSTE335-Plate 28 x 625 to Drg.No. 45521601040(20.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
636	LM	LM0013	PA63	Machining of ADJUSTING RING from P355Nh-Plate 25 x D450 to Drg.No. 45533501685/01 (8 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
637	LM	LM0015	PB80	Machining of BRG COVER ASSY from P355NH-Plate 8 x D280 Plte 75x D390 to Drg.No. 15533400976(58 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
638	LM	LM0015	PB81	Machining of BUSH from WSTE36-Plate 90 x D185 to Drg.No. 45521600882/03 (1.87 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
639	LM	LM0015	PB82	Machining of BUSH from Naxtra70-Plate 40xD135 to Drg.No. 45521601018 (0.8 Kg/No) or equivalent. Prepared material will be issued from shop.	NO
640	LM	LM0015	PB83	Machining of BUSH from P355NH-Plate 75 x D150 to Drg.No. 45533501688/01(3 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
641	LM_CNC	LMCN04	PB84	complete manufacture of Support ring and bearing covers from Pl 18 mm with dia 110 to 125 mm similar to drawing 4-55-328-02991, 4-55-328-02994 or equivalent. Prepared material will be issued from shop.	NO
642	LF_LM	LFLM06	PC57	Fabriaction and Machining of CONT.DISC RING from WSTE36-Plate 25x D450 to Drg.No. 45521400473/02 (8 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
643	LM	LM0015	PC58	Machining of COVER from P355NH-Plate 20 D230 to Drg.No. 35533500952 (4.1 Kg/No)or equivalent. Prepared material will be issued from shop.	NO
644	LF_LM	LFLM06	PC59	Fabriaction and Machining of COUNTER WEIGHT from P355NH-Plate 40x85x210 to Drg.No. 35521401019 (2 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
645	LF_LM	LFLM06	PC60	COUNTER WEIGHT from P355NH-Plate 75x80x170 to Drg.No. 35533401158 (2.682) 35533401125 (2.682 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO

Section - IIIA

Enquiry No:-		661001E	Dt.10.01.2022		
Total Rate Schedule List (Rate Schedule wise) with Group Indication					
646	LM	LM0010	PD65	Machining of DISTANCE RING from SA106GrB-Tube 177.8x22.2 L30 to Drg.No. 45521400242(0.74 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
647	LM	LM0010	PD66	Machining of DISTANCE RING from BMC20-Plate 25xD190 to Drg.No. 45521400244/01 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
648	LM	LM0010	PD67	Machining of DISTANCE RING from BMC20- Plate 16 x D225 to Drg.No. 45521400466/01 (1.46 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
649	LM	LM0010	PD68	Machining of DISTANCE RING from IS2062 Plate 8 x 110 to Drg.No. 45533501651 (0.163 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
650	LM	LM0010	PD69	Machining of DISTANCE RING from IS2062 GrA-Plate 20 x D230 to Drg.No. 45533501654 (1.231 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
651	LM	LM0010	PD70	Machining of Distance Ring from P355NH-Plate 40 x D190 to Drg. 45533401748 (1.8 Kg/No) or equivalent. Prepared material will be issued from shop.	NO
652	LM	LM0015	PD71	Machining of Distance Ring from P355NH-Plate 16 x D180 to Drg. 45533501674 (1 Kg/No) or equivalent. Prepared material will be issued from shop.	NO
653	LM	LM0015	PD72	Machining of DRIVE DISC from P355NH-Plate 50 x D620 to Drg.No. 15533500847(68.5 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
654	LM	LM0006	PD73	Machining of DRIVE DISC from Plate 50 x D610 to Drg.No. 15533500490(68.5. Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
655	LM_CNC	LMCN01	PP18	Machining of OIL REJECT.RING from P355NH-Plate 18 x D280 to Drg.No. 45533401750 (1.4 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
656	LM	LM0003	PP19	Machining of OIL RING-I from P355NH-Plate 25x D184 to Drg.No. 45521401774(0.6 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
657	LM	LM0003	PP20	Machining of OIL RING-II from P355NH-Plate 25 x D240 to Drg.No. 45521401778(1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
658	LM	LM0003	PP21	Machining of OIL SKID RING from P355Nh-Plate 18 x D210 to Drg.No. 45533401749 (0.9 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
659	LM_CNC	LMCN01	PP22	Machining of PRE LOAD RING -I to Drg.No. 35533401008 PRE LOAD RING -II Drg.No. 35533401007 or equivalent. Prepared material will be issued from shop.	NO
660	LM	LM0010	PR23	Machining of Ring To Drg.No. 45521400268 Or Equivalent. Prepared material will be issued from shop.	NO
661	LM	LM0010	PR24	Machining of RING BMC16-Plate 56x D175 to Drg.No. 45521400467/03 (4.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
662	LM	LM0010	PR25	Machining of Ring 16 D 263 Tr 235X4 To Drg.No. 45521600832 Or Equivalent. Prepared material will be issued from shop.	NO
663	LM	LM0010	PR26	Machining of RING to Drg.No. 45521600971 or equivalent. Prepared material will be issued from shop.	NO

Section - IIIA

Enquiry No:-		661001E		Dt.10.01.2022	
Total Rate Schedule List (Rate Schedule wise) with Group Indication					
664	LM	LM0010	PR27	Machining of RING from P355NH-Plate 16 x 120 to Drg.No. 45533501666(0.30 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
665	LM_CNC	LMCN01	PR28	Machining of RING-I to Drg.No. 45521401773/01 or equivalent. Prepared material will be issued from shop.	NO
666	LM	LM0010	PR29	Machining of Ring-II From P355Nh-Plate 25 X 158 To Drg.No. 45521401769 (0.5 Kg/No.) Or Equivalent. Prepared material will be issued from shop.	NO
667	LM	LM0010	PR30	Machining of RING-III from 42CrMo4 Plate 25 x D140 to Drg.No. 45521401770 (1.7 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
668	LM	LM0015	PR31	Machining of RING to Drg.No. 35533500939 or equivalent. Prepared material will be issued from shop.	NO
669	LM	LM0010	PS80	Machining of SPACER to Drg.No. 35533401013 or equivalent. Prepared material will be issued from shop.	NO
670	LM	LM0010	PS81	Machining of SPLASH RING to Drg.No. 45521600849 or equivalent. Prepared material will be issued from shop.	NO
671	LM	LM0010	PS82	Machining of SPLASH RING from IS2062-Plate 32 x D270 to Drg.No. 45533501653/01 (2.264 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
672	LM	LM0010	PS83	Machining of STOP RING from P355NH-Plate 25 x D180 to Drg.No. 45533501664 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
673	LM	LM0010	PS84	Machining of STOP RING from P335NH-Plate 20 x D180 to Drg.No. 45533501665 (1 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
674	LM	LM0010	PS85	Machining of SUPPORTING RING to Drg.No. 45521600970 or equivalent. Prepared material will be issued from shop.	NO
675	LM	LM0010	PS86	Machining of SUPPORTING RING from IS2062-Plate 16 x D225 to Drg.No. 45533501649 (0.203 Kg/No.) or equivalent. Prepared material will be issued from shop.	NO
676	LM	LM0011	PS87	Machining of SUPPORT RING to Drg.No. 45521600831 or equivalent. Prepared material will be issued from shop.	NO
677	LM_CNC	LMCN07	TU01	TU 7X2 CUT TO LENGTH 78MM FOR EMITTING ELECTRODE	NO
678	RECOVERY	REC001	E44	Recovery Rate for Turnings and Borings scrap of CS/AS	MT
679	RECOVERY	REC001	E45	Recovery Rate for Turnings and Borings scrap of SS Non magnetic Non Ferrous	MT
680	RECOVERY	REC001	E46	Recovery Rate for Turnings and Borings Scrap of Stainless Steel-Magnetic	MT

Section - IIIB

Enquiry No:-	661001E		Dt 10.01.2022	
Total Rate Schedule List (CATEGORY- RS GROUP WISE) with Group Indication				
Category	RS Group	RSNO	RS_DESC	Count of RSNO
FAB_MACH_SPL	FMSP01	DC11	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-214-00833/02	1
FAB_MACH_SPL	FMSP01	DC12	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00881/02	1
FAB_MACH_SPL	FMSP01	DC13	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00892/04	1
FAB_MACH_SPL	FMSP01	DC14	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-215-00901/01	1
FAB_MACH_SPL	FMSP01	DC15	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00918/03	1
FAB_MACH_SPL	FMSP01	DC19	Fabrication of CORE ALONE OF DIFFUSER DRG.1-55-335-00877/01	1
FAB_MACH_SPL	FMSP01	DC21	Fit-Up Charges For Assembling Of Diffuser-Core with Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is Less Than 2000 Kg Drg.No:- 0-55-213-00789	1
FAB_MACH_SPL	FMSP01	DC22	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 2000 Kg	1
FAB_MACH_SPL	FMSP01	DC23	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (Including Tack-Welding-Of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 4.00 MT	1
FAB_MACH_SPL	FMSP01	DC25	Fabrication Of Core Alone Of Diffuser Drg. 0-55-227-01204	1
FAB_MACH_SPL	FMSP01	DC26	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01077	1
FAB_MACH_SPL	FMSP01	DC27	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01146	1
FAB_MACH_SPL	FMSP01	DC29	Fabrication Of Core Alone Of Diffuser Drg.0-55-335-01127	1
FAB_MACH_SPL	FMSP01	DS11	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-214-00833/02	1
FAB_MACH_SPL	FMSP01	DS12	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00881/02	1
FAB_MACH_SPL	FMSP01	DS13	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00892/04	1
FAB_MACH_SPL	FMSP01	DS14	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-215-00901/01	1
FAB_MACH_SPL	FMSP01	DS15	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00918/03	1
FAB_MACH_SPL	FMSP01	DS19	Fabrication of SHELL ALONE OF DIFFUSER DRG.1-55-335-00877/01	1
FAB_MACH_SPL	FMSP01	DS25	Fabrication Of Shell Alone Of Diffuser Drg. 0-55-227-01204	1
FAB_MACH_SPL	FMSP01	DS26	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01077	1
FAB_MACH_SPL	FMSP01	DS27	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01146	1
FAB_MACH_SPL	FMSP01	DS29	Fabrication Of Shell Alone Of Diffuser Drg.0-55-335-01127	1
FAB_MACH_SPL	FMSP02	F67C	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE UPTO 2 MT Drg.No:- 0-55-213-00788	1
FAB_MACH_SPL	FMSP02	F67E	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 2 MT UPTO 5 MT Drg.No:- 0-55-215-00900	1
FAB_MACH_SPL	FMSP02	F67F	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 2 MT UPTO 5 MT Drg.No:- 0-55-215-00900	1

FAB_MACH_SPL	FMSP02	F67L	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 5 UPTO 8.50 MT	1
FAB_MACH_SPL	FMSP02	F67M	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 5 UPTO 8.50 MT Drg.No:- 0-55-215-01233	1
FAB_MACH_SPL	FMSP02	F67N	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT Drg.No:-	1
FAB_MACH_SPL	FMSP02	F67P	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT	1
FAB_MACH_SPL	FMSP02	F67T	TRAIL ASSY OF SUCTION CHAMBER including Foot fitup (Intermediate shaft cover / Shaft Protecting Tube which will be supplied by BHEL)	1
FAB_MACH_SPL	FMSP03	AP22	Fabrication of Shaft Protecting Tube to Drg. 1-55-214-00619/02/00;1-55-216-00353/02/00;1-55-334-00695/04/00;1-55-335-00867/00/00;2-55-213-00698/00/00;3-55-124-00063/04/00 OR Equivalent.	1
FAB_MACH_SPL	FMSP03	AP26	Fabrication Of Shaft Protecting Tube To Drg. 0/01089 Or Equivalent.	1
FAB_MACH_SPL	FMSP05	D66B	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 501-1000 MM)	1
FAB_MACH_SPL	FMSP05	D66C	INLET CONE ASSEMBLY (FAB + M/C 1000-1500 MM) to DRg.0-55-214-00834/06/00;0-55-334-00832/02/00;2-56-124-02835/01/00;2-56-145-02353/00/00; OR Equivalent	1
FAB_MACH_SPL	FMSP05	EV01	Fabrication and Machining of EXCHANGEABLE VANE for Drg.No:- 3-55-124-00060	1
FAB_MACH_SPL	FMSP07	D53A	Fabrication and Machining of SEAL ASSEMBLIES OF 56 PGMA LAB SEAL (for 11 size Fan) for Drg.No:- 2-56-228-03397	1
FAB_MACH_SPL	FMSP07	D67D	Fabrication and Machining of LAB SEAL ASSY (M/C from casting) Drg.4-56-135-00109 OR Equivalent	1
FAB_MACH_SPL	FMSP07	D67E	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Upto 75Mm Thick) Drg. 3-56-171-01354/00/00; 1-56-226-01357/00/00; 4-56-135-00294/01/00 Or Equivalent	1
FAB_MACH_SPL	FMSP07	D67F	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Morethan 75 Mm To 100 Mm Thick) Drg. 3-56-226-00477/02/00 Or Equivalent	1
FAB_MACH_SPL	FMSP08	D28	Manufacture of REINFORCEMENT TO DRG. 4-79-020-00341/01 OR EQUIVALENT Drg.No:- 6-17-20142	1
FAB_MACH_SPL	FMSP08	D74	Fabrication and machining of HOOK Drg.No:- 6-17-20040 6-17-20063 4-79-008-00019	1
FAB_MACH_SPL	FMSP08	D74A	Fabrication and machining of SHOCK IRON Drg.No:- 4-79-020-00160	1
FAB_MACH_SPL	FMSP08	D74B	GUIDE BLOCK MACHINING TO DRG. 4-56-228-01726 weight 28.26 Kg/No. OR EQUIVALENT. (PLATES CUT-TO-SIZE WILL BE ISSUED BY BHEL) Drg.No:-4-79-020-00041	1
FAB_MACH_SPL	FMSP08	GF04	Fabrication and Machining of CHAIN GUARD Drg.No:- 2-57-010-00215	1
FAB_MACH_SPL	FMSP08	GF14	Fabrication of Slot Cover Drg.No:- 3-57-999-11913	1
FAB_MACH_SPL	FMSP08	GF20	FABRICATION OF FLOW DIVIDER 4-57-430-25346 or equivalent	1
FAB_MACH_SPL	FMSP09	D19	Fabrication and Machining of Water Shield Assy as per Drgs . 2-52-262-00182 2-52-262-00781 2-52-262-01292 2-52-262-01315 2-53-262-00218 3-52-262-01802 3-52-262-01897 3-52-262-02174 3-52-262-02387 or equivalent	1
FAB_MACH_SPL	FMSP10	D68	Fabrication and Machining of OIL CIRCULATION UNIT for Drg.No:- 1-57-274-01035	1
FAB_MACH_SPL Total				49
HF	HF0002	D77	Machining of fabricated BRG PEDESTAL 25611701314/01,	1

HF	HF0002	F67B	Fabrication of BEARING PEDESTAL BASE FRAME Drg.No:-0-56-226-00364 1-56-228-02844	1
HF	HF0002	R153	Fabrication of CONTROL FRAMES I II AND III(SIDE / CENTRE) for Drg.No:- 2-56-228-02640	1
HF	HF0004	GF11	Fabrication of Gate Frame Fabrication (upto 2 MT) Drg.No:- 1-57-460-00039 1-57-460-00047	1
HF	HF0004	GF12	Fabrication of Gate Frame Fabrication (above 2 MT up to 3 MT)	1
HF	HF0004	GF13	Gate Frame Fabrication (Above 3MT upto 4MT)	1
HF	HF0004	GF18	Gate Frame Fabrication (Above 4MT upto 6MT)	1
HF	HF0004	LF15	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 83. (Studs supplied by BHEL)	1
HF	HF0004	LF16	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 95. (Studs supplied by BHEL)	1
HF Total				9
HF_HM	HFHM02	FP05	Machining pre-grinding chrome plating and post grinding of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). Fabricated piston after MPI to be collected from shop. For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	1
HF_HM	HFHM02	FP06	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	1
HF_HM	HFHM02	FP07	Machining pre-grinding chrome plating and post grinding of Piston assy of 16S (0-55-216-00461) . Fabricated piston assy after MPI to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	1
HF_HM	HFHM02	FP08	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 16S (0-55-216-00461) . ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	1
HF_HM Total				4
HF_LM	HFLM01	SF01	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING). Drg.No:- 0-52-041-00685	1
HF_LM	HFLM01	SF02	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) Drg.No:- 0-52-041-00681	1

HF_LM	HFLM01	SF03	FABRICATION OF INTERNALS (INCLUDING OUTBOARD-LINK AND BLOCK-ASSY ADJUSTER-BLOCK-ASSY SHIM-PACK ROLLER HINGE-PIN) FOR COLD END/HOT END SECTOR-PLATE-ASSY	1
HF_LM	HFLM01	SF04	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING).EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS Drg.No:- 0-52-042-01659	1
HF_LM	HFLM01	SF05	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) .EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS IS Drg.No:- 0-52-041-01637	1
HF_LM	HFLM02	IG10	Fabriaction and Machining of BLADES FOR REGULATING GEAR UPTO DIA 2500 MM AND ALSO TO DRG:10A007002	1
HF_LM	HFLM02	IG11	Fabriaction and Machining of BLADES WITH SHAFT FOR IGV UPTO 650 MM for Drg.No:- 2-56-114-03365	1
HF_LM	HFLM02	IG12	Fabriaction and Machining of BLADES WITH SHAFT FOR IGV > 650 MM UPTO 1600MM for Drg.No:- 2-56-114-03365	1
HF_LM	HFLM02	IG13	Fabriaction and Machining of BLADES SHAFTS FOR IGV ASSYS UPTO 1600MM DIA AND ALSO TO DRG:25512600212	1
HF_LM	HFLM02	IG14	Fabriaction and Machining of IGV CONTROL LINK FOR IGV ASSYS DIA UPTO 1600MM AND ALSO TO DRG:25611302289/05 25611302190	1
HF_LM	HFLM02	IG15	Fabriaction and Machining of REGULATING RING FOR IGV ASSYS DIA UPTO 1600MM Drg.No:- 2-55-112-00468	1
HF_LM	HFLM02	IG16	Fabriaction and Machining of IGV SHAFT BUSH AND ALSO TO DRG:45512400144	1
HF_LM Total				12
HF_SPL	HFSP02	FC10	% EXTRA FOR DOUBLE CONE Drg.No:- 1-56-114-04362	1
HF_SPL	HFSP02	FC60	CC PL Fabn up to 100 KGS (WSTE Matl) Drg.No:- 2-56-134-00045	1
HF_SPL	HFSP02	FC61	CC PL Fabn up to 100-150 KGS (WSTE Matl)	1
HF_SPL	HFSP02	FC62	CC PL Fabn up to 150-200 KGS (WSTE Matl)	1
HF_SPL	HFSP02	FC63	CC PL Fabn up to 200-250 KGS (WSTE Matl)	1
HF_SPL	HFSP02	FC64	CC PL Fabn up to 250-300 KGS (WSTE Matl)	1
HF_SPL	HFSP02	FC65	CC PL Fabn above 300 Kgs upto 500 Kgs. (WSTE Matl.)	1
HF_SPL	HFSP02	FN61	CC PL Fabrication up to 100 KGS (Naxtra Matl) Drg.No:- 2-56-134-00752	1
HF_SPL	HFSP02	FN62	CC PL Fabrication up to 100-150 KGS (Naxtra Matl)	1
HF_SPL Total				9
HM	HM0001	FS71	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 300 Raw Material Issued weight less than 500 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	1
HM	HM0001	FS72	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Lessthan 300 Raw Material Issued weight above 500 Kg less than 1000 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate SChedule FS 85 to FS87)	1

HM	HM0001	FS73	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 and up to 400 Raw Material Issued weight less than 1000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate Schedule FS 85 to FS87)	1
HM	HM0001	FS74	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 up to 400 Raw Material Issued weight above 1000 kgs up to 2000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate Schedule FS 85 to FS87)	1
HM	HM0001	FS75	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 400 up to Less than 500 Raw Material Issued weight above 2000 kgs up to 3000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting chrages under Rate Schedule FS 85 to FS87)	1
HM	HM0001	FS76	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 500 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	1
HM	HM0001	FS77	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 600 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	1
HM	HM0001	FS78	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 600 Raw Material Issued weight less than 5000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	1
HM	HM0001	FS85	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight Less than 3000	1
HM	HM0001	FS86	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight more than 3000 Kg and Less than 5000 Kg	1
HM	HM0001	FS87	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight more than 5000 Kg and Less than 10000 Kg.	1
HM	HM0002	D80A	Machining of BEARING HOUSING ID UPTO DIA 200MM Drg.No:- 0-55-214-00598	1
HM	HM0002	D80B	Machining of BEARING HOUSING ID DIA > 200 MM UPTO 300 MM Drg.No:- 0-55-214-00598	1
HM	HM0002	D80C	Machining of BEARING HOUSING ID DIA > 300 MM UPTO 400 MM to DRg.0-56-135-00613/04/00; OR Equivalent	1
HM	HM0002	D81A	Machining of SPLIT TYPE BEARING HOUSING ID DIA UPTO 250 MM	1

HM	HM0002	D81B	Machining of SPLIT TYPE BEARING HOUSING ID DIA > 250 MM UPTO 400 MM to drg 0-55-126-00186/04/00; OR Equivalent	1
HM	HM0002	D82A	Machining of BEARING HOUSING COVER ID DIA UPTO 310 MM 3-55-216-00498/04/00; OR Equivalent	1
HM	HM0002	D82B	Machining of BEARING HOUSING COVER ID DIA > 310 MM UPTO 410 MM	1
HM	HM0002	D82C	Machining of BEARING HOUSING COVER ID DIA > 410 MM UPTO 500 MM	1
HM	HM0002	D83A	Machining of FLANGE BEARING HOUSING ID DIA UPTO 200 MM to Drg. 1-55-124-00038/09/00; OR Equivalent.	1
HM	HM0002	D83B	Machining of FLANGE BEARING HOUSING ID DIA > 200 MM UPTO 275 MM	1
HM	HM0002	D84A	Machining of BEARING CASE ID UPTO 240 MM to Drg. 2-55-124-00045/04/00; OR Equivalent.	1
HM	HM0002	D84B	Machining of BEARING CASE ID morethan 240 MM	1
HM	HM0002	D85A	Machining of BEARING LID ID UPTO 215 MM for Drg.No:- 20-A-106-011	1
HM	HM0002	D85B	Machining of BEARING LID ID > 215 MM UPTO 280 for Drg.No:- 10-A-007-008	1
HM	HM0002	D85C	Machining of BEARING LID ID > 280 MM UPTO 350 MM for Drg.No:- 10-A-007-008	1
HM	HM0002	D85D	Machining of INNER BEARING BUSH Rough Machining to Drg. 3-55-125-00284/02/00; OR Equivalent.	1
HM	HM0003	D86A	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID UPTO 50 MM 4-55-335-01658	1
HM	HM0003	D86B	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID > 50 MM UPTO 120 MM	1
HM	HM0003	D86C	Machining ofRINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID > 120 MM UPTO 195 MM	1
HM	HM0003	D86D	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID > 195 MM UPTO 205 MM	1
HM	HM0003	D86E	Machining of RINGS/GREASE CONTOL RINGS/SPACER RINGS/DISTANCE RING OF ID > 205 MM UPTO 250 MM	1
HM	HM0004	HB01	Horizontal Boring in Support Body-11 size (Rough Machining) Drg.No:- 1-55-214-00204	1
HM	HM0004	HB02	Horizontal Boring in Support Body-12 size (Rough Machining) Drg.No:- 1-55-214-00890	1
HM	HM0005	GS30	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-490-01403	1
HM	HM0005	GS31	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-07173	1
HM	HM0005	GS32	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-00118	1
HM	HM0005	GS33	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-17045	1
HM	HM0005	GS34	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-15949	1
HM	HM0005	GS37	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-11943	1
HM	HM0005	GS38	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-14548	1
HM	HM0005	GS39	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-11327	1
HM	HM0005	GS40	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14549	1

HM	HM0005	GS41	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-480-07393	1
HM	HM0005	GS42	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-460-01428	1
HM	HM0005	GS43	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-02616	1
HM	HM0005	GS44	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-02099	1
HM	HM0005	GS45	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-03493	1
HM	HM0005	GS46	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14315	1
HM	HM0005	GS47	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-07404	1
HM	HM0005	GS51	Complete manufacture of Drive Shaft Dia upto 200-Length upto 3 Mtr Drg.No:- 3-57-490-06389	1
HM	HM0005	GS52	Complete manufacture of Drive Shaft Dia upto 200 Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-16499	1
HM	HM0005	GS54	Complete manufacture of Idler Shaft Dia upto 200 -Length upto 3 Mtr Drg.No:- 3-57-490-16500	1
HM	HM0005	GS57	Complete manufacture of Drive Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15139	1
HM	HM0005	GS58	Complete manufacture of Drive Shaft Dia upto 110 -Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-460-11919	1
HM	HM0005	GS60	Complete manufacture of Idler Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15140	1
HM	HM0005	GS64	Complete manufacture of Drive Shaft Dia upto 80 -Length above 3 Mtr to 4 Mtr	1
HM	HM0005	GS78	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length 500 to 650 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate) For Drg.No:- 4-57-423-05813	1
HM	HM0005	GS79	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length above 650mm and up to 800 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-999-02148	1
HM	HM0005	GS80	Machining Of Stub Shaft Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 400mm to 500 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). From Drg.No:- 4-57-999-02105	1
HM	HM0005	GS81	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 800mm to 1000mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate).For Drg.No:- 4-57-223-04511	1
HM	HM0005	GS82	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1000mm and upto 1150mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-083-05509	1

HM	HM0005	GS83	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1150mm and upto 1300mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Sc Drg.No:- 4-57-383-03579	1
HM	HM0006	PL01	Machining of LEVER BOSS D83 KEYWAY AND TAP to Drg.No. 35720301162 or equivalent	1
HM Total				64
HM_SPL	HMSP01	FM01	Machining of 11 SIZE CYLINDER ASSY Drg.No:- 1-55-214-00423	1
HM_SPL	HMSP01	FM02	Machining of 12 SIZE CYLINDER ASSY Drg.No:- 2-55-335-00746	1
HM_SPL	HMSP01	FM03	Machining of 16 SIZE CYLINDER ASSY Drg.No:- 1-55-216-00439	1
HM_SPL	HMSP02	SP06	Machining of Sector Plate Assy to various drg. Area per no. UPTO 4 Sq.Mtr (T ANDB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining. Drg.No:- 0-52-041-00981	1
HM_SPL	HMSP02	SP07	Machining of Sector Plate Assy to various drg. Area per no. morethan 4 Sq.Mtr UPTO 4.5 Sq.Mtr (T ANDB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	1
HM_SPL	HMSP02	SP08	Machining of Sector Plate Assy to various drg. Area per no. morethan 4.5 Sq.Mtr. UPTO 5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	1
HM_SPL	HMSP02	SP09	Machining of Sector Plate Assy to various drg. Area per no. morethan 5 Sq.Mtr. UPTO 5.5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	1
HM_SPL	HMSP02	SP10	Machining of Sector Plate Assy to various drg. Area per no. morethan 5.5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	1
HM_SPL	HMSP03	AM15	Machining of Stationary Spool Static Spool Support Ring Supt Bearing Housing Cover to Drg 1-52-261- 00274 or Equivalent	1
HM_SPL	HMSP03	AM20	Machining of Static Spool Stationary Spool Support Ring Support Bearing Housing Cover to Drg 0-52-011-00561/02/00; Or Equivalent	1
HM_SPL	HMSP03	AM21	Machining of Stationary Spool Static Spool Support Ring Support Bearing Housing Cover to Drg 1-52-261-00450/04/00; Or Equivalent	1
HM_SPL	HMSP03	AM44	Guide Bearing SPOOL MACHINING BY VTL TO DRG 1-52-047-001131 1-52-047-01327 OR EQUIVALENT	1
HM_SPL	HMSP03	AM48	STATIC SPOOL SUPPORT RING MACHINING to DRg. 1-52-011-00700/08/00; 1-52-011-01658/02/00 OR Equivalent.	1
HM_SPL	HMSP03	AM51	SPOOL SEAL ASSY MACHINING to Drg.1-52-041-01157/06/00 OR Equivalent	1
HM_SPL	HMSP03	AM52	SPOOL SEAL ASSY MAQCHINING to Drg. 1-52-047-00295/06/00 OR Equivalent	1
HM_SPL	HMSP03	AM53	SPOOL SEAL ASSY MACHINING to Drg. 1-52-047-00521/04/00 OR Equivalent	1
HM_SPL	HMSP03	AM54	GB SPOOL MACHINING BY VTL TO DRG 1-52-041-00458 1-52-041-01137 1-52-041-01872 1-52-041-02172 OR EQUIVALENT	1
HM_SPL	HMSP03	AM83	STATIC SPOOL STATIONARY SPOOL SUPP RING SUPT BRG HSG COVER MACHINING to Drg 1-52-041-01210/01/00; 1-52-041-01812/00/00; 1-52-261-01102/02/00;2-52-261-00815/04/00 ; OR Equivalent	1
HM_SPL	HMSP04	AM61	Machining of Brg Runner Plate OP-SK-APH-01801 Drg.No:- OPSKAPH1801	1

HM_SPL	HMSP04	AM64	Machining ofBrg Runner PI 170 Xd 1540 Op-Sk-Aph-1896	1
HM_SPL	HMSP04	AM71	Machining of Brg. Runner Plate 120Xdia 1200 Sketch: OP-SK- APH - 0814 OR Equivalent.	1
HM_SPL	HMSP04	AM72	Machining ofBrg. Runner Plate 120Xdia 800 Sketch OP-SK-APH-1061 OR Equivalent.	1
HM_SPL	HMSP05	D71	SUPP.BRG HSG COVER FABN AND M/C ING Drg.No:- 2-52-262-01792	1
HM_SPL	HMSP05	D82E	Complete machining of Bearing Housing as per drg (0-55-214-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857) except drilling and tapping SR completed castings to be collected from shop	1
HM_SPL	HMSP05	D82F	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 0-55-335-01067) except drilling and tapping SR completed castings to be collected from shop	1
HM_SPL	HMSP05	D82G	Complete machining of Bearing Covers as per drg (1-55-214-00414 1-55-335-00885 2-55-214-00813 2-55-334-00814) including drilling tapping and slotting etc.. Casting/Prepared material to be collected from shop.	1
HM_SPL	HMSP05	D82M	Complete machining of Bearing Housing as per drg (0-55-514-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857 or equivalent) including drilling and tapping.SR completed castings to be collected from shop	1
HM_SPL	HMSP05	D82N	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 or equivalent) including drilling and tapping SR completed castings to be collected from shop	1
HM_SPL	HMSP05	D82P	Complete machining of Bearing Housing as per drg (0-55-335-01067 or equivalent) including drilling and tapping SR completed castings to be collected from shop	1
HM_SPL	HMSP05	D82Q	Complete machining of Bearing Covers as per drg (2-55-216-00315 2-55-216-00317 1-55-215-01143) including drilling tapping and slotting etc.. Casting/Prepared material to be collected from shop.	1
HM_SPL	HMSP05	D82R	Complete machining of Bearing Covers as per drg (1-55-335-01417) including drilling tapping and slotting etc.Casting/Prepared material to be collected from shop.	1
HM_SPL	HMSP08	FC66	CC PL Machining for OD 700 Drg.No:- 3-56-133-03964	1
HM_SPL	HMSP08	FC67	CC PL Machining for OD 700 TO 800	1
HM_SPL	HMSP08	FC68	CC PL Machining for OD 800-1230	1
HM_SPL	HMSP08	FC69	CC PL Machining for OD 1230 TO 1500	1
HM_SPL	HMSP09	FC70	CC PL Machining for OD 1500 TO 1895	1
HM_SPL	HMSP09	FC71	CC PL Machining for OD 1895 to 2500	1
HM_SPL	HMSP10	FC78	CC PL Machining for OD ABOVE 2500 and UPTO 3000	1
HM_SPL	HMSP10	IC01	Machining of Impeller Cover as per drawing (2-55-214-00817 2-55-334-00978). Fabricated Material to be collected from shop	1
HM_SPL	HMSP10	IC02	Machining of Impeller Cover as per drawing (2-55-334-01035). Fabricated Material to be collected from shop	1
HM_SPL	HMSP10	IG08	HUB MACHINING TO DRG 20A106009 20A107024	1
HM_SPL	HMSP11	VT01	VTL Operation in Support Body-11 size Drg.No:- 1-55-214-00204	1
HM_SPL	HMSP11	VT02	VTL Operation in Support Body-12 size Drg.No:- 1-55-335-00890	1
HM_SPL	HMSP15	VT15	Complete machining of bearing housing drg no 0-55-335-01269 including all VTL operations, milling, drilling and tapping. Bearing housing castings to be collected from shop after heat treatment.	1
HM_SPL Total				44

LF	LF0001	157M	Fabrication of GB Spool static/stationary spool except Drilling Tapping Machining with Red Oxide painting and wherever Heat Treatment is required Red Oxide Paint need not to be done. MPI Charges payable extra as per OS(Main)ARC Drg.No:- 0-52-011-00561 0-52-011-01339 0-52-261-00466 1-52-011-00700	1
LF	LF0001	157N	Fabrication of Reducer Base Drive Base Base frame with Red Oxide Paint Except Drilling Tapping AND Heat Treatment (Machining Painting Not required wherever Heat Treatment is called for) Drg.No:- 1-52-042-00646 1-52-042-00692 1-52-042-01021 1-52-100-00074	1
LF	LF0001	AF03	Fabrication of AXIAL SEAL PLATE Drg.No:- 1-52-030-01109	1
LF	LF0002	AL01	COMPLETE MANUFACTURING OF SEAL GUAGE AS PER BHEL DRG 3-53-013-00054 4-52-013-00718 4-52-013-01464 4-52-054-00662 4-52-054-01745 4-52-054-03555 WITH BHEL MATERIAL OR EQUIVALANT CONTENT	1
LF	LF0002	AM01	Fabrication of BASKET PROTECTING SHEET Drg.No:- 2-52-010-01085	1
LF	LF0002	AM06	Fabrication of CLAMP TO 52 PGMA Drg.No:- 6-17-10066 6-17-20185	1
LF	LF0002	AM30	Machining ofCLIP Drg.No:-6-17-10045	1
LF	LF0002	D09	CAF GASKETS TO VAROUS SIZE / SHAPE Drg.No:- 4-54-240-00019	1
LF	LF0002	D73	Fabrication of CAF WASHER D 50 x D17 - 3.15 MM THICK	1
LF	LF0002	EF01	Fabrication and Machining of FRAME I AND IV MADE OUT OF SHEET Drg.No:- 1-79-020-00459	1
LF	LF0002	EF02	COMPLETE FABRICATION OF MODIFIED FRAME II-(40 SHEETS) AS PER DRAWING 17902004231 OR EQUIVALENT.	1
LF	LF0002	FR02	Complete manufacture of Frame 2 as per Drg 1-79-020-02472	1
LF	LF0003	D21A	Fabrication of SEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS -For OD 1 Mtr TO 1.5 Mtr. Drg.No:- 2-56-228-02417	1
LF	LF0003	D21B	Fabrication ofSEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS -For OD 1.5 Mtr TO 2.5 Mtr Drg.No:- 2-56-228-02417	1
LF	LF0003	D21C	Fabrication of Fabrication and Machining ofSEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) UPTO UNIT WT:50 KGS -For OD 2.5 Mtr TO 3.5 Mtr	1
LF	LF0003	D21E	Fabrication of Sealing For Impellers (Angle Rolling Will Be Done At BHEL) Upto Unit Wt:50 Kgs -For OD Upto 1 Mtr as per Drg 2-56-226-03249 2-56-226-04824 2-56-214-04065 or equivalent	1
LF	LF0004	AF07	Fabrication of GRATING (PRESSING) Drg.No:- 1-52+010-00025	1
LF	LF0004	R151	Fabrication of COLD END BASKETS FULL SECTOR BASKETS Drg.No:- 2-52-010-00531 2-52-010-00532 2-52-010-00533 2-52-010-00534	1
LF	LF0004	R152	Fabrication of HOT END BASKETS Drg.No:- 2-52-010-00539 2-52-010-00540 2-52-010-00541 2-52-010-00542 2-52-010-00543	1
LF	LF0004	R157	Fabrication of HOT END HEATING ELEMENT BASKETS-MODIFIED DESIGN (representative Drg. 2-52-025-00140 where Rev-04 is for earlier Design and rev-05 is for modified design)	1
LF	LF0005	AF06	Fabrication of GRATING ASSEMBLY-CORTEN A(E8018 ELECTRODE) Drg.No:- 1-52-010-00490	1
LF	LF0005	AF08	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT). Where the plates are to be convereted into standard or non-standarad Flats (where the conversion charges are not payable extra) Drg.No:- 1-52-010-00025	1

LF	LF0005	AF09	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT).Where the flats of standard sizes will be issued (where conversion of Plates to Flats are not involved) Drg.No:-1-52-010-01450	1
LF	LF0005	D22A	Fabrication of NEW FORM TOOL from Plate 16 mm to drg. 3-79-020-02730 Or Equivalent	1
LF	LF0005	D23E	Fabrication of Deflection plate Drg.No:- 6-17-20115	1
LF	LF0005	D23G	Fabrication of Support Rod Drg.No:- 6-17-20130 4-52-261-03089	1
LF	LF0005	D58	Fabrication of DIPSTICK ASSY Drg.No:- 6-17-10007	1
LF	LF0005	D69	Fabrication and Machining of CORE COVER PLATE for Drg.No:- 3-55-214-00589	1
LF	LF0005	GF17	Fabrication of Door Cover Assembly using Pressed Door cover issued free by BHEL Drg.No:- 6-17-20096	1
LF	LF0005	PR01	Fabrication of PIN RACK BAR Drg.No:- 4-52-010-03299	1
LF	LF0006	D02Q	Fabrication of Shims for APH items like sector plate, reducer base	1
LF	LF0006	D23A	Fabrication of SEALS UPTO 2.5 MM ORDINARY TYPE Drg.No:- 2-52-041-01583	1
LF	LF0006	D23B	Fabrication of SEALS ABOVE 2.5 MM ORDINARY TYPE AXIAL SPACER BAR ASSY AND ALL SHIMS Drg.No:- 1-52-041-01128 1-52-041-01188	1
LF	LF0006	D23C	Fabrication of Seals Upto 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	1
LF	LF0006	D23D	Fabrication of Seals Above 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	1
LF	LF0006	D34	Fabrication of CIRCM SEAL SETTING WEDGE to drg. 3-53-013-00226 or equivalent	1
LF	LF0006	D35	Fabrication of CIRCM SEAL ANGLE SPANNER for Drg.No:- 3-53-013-00227	1
LF	LF0007	D89	COMPLETE FABRICATION OF LIFTING STAY EXTENSION(NEW) AS PER DRAWING 35201002520 OR EQUIVALENT	1
LF Total				38
LF_LM	LFLM01	AM67	Complete Manufacturing Of Spacer Ring Segment Assy As Per The Drawings 25201102392 25201102928 And 35201101370 Or Equivalent Drawings Having Same Work Content	1
LF_LM	LFLM01	RS95	Fabrication and Machining of PIN WHEEL - I Drg.No:- 6-17-0087	1
LF_LM	LFLM01	RS96	Fabrication and Machining of PIN WHEEL - II Drg.No:- 6-17-0088	1
LF_LM	LFLM02	AM25	Fabrication and Machining of Trunnion Sleeve Sealing Tube Assembly (For Fully Machining) To Drg. 2-52-261-00116 2-52-261-00190 2-52-261-00710 Or Equivalent	1
LF_LM	LFLM02	AM26	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 3-52-261-01772 Or Equivalent	1
LF_LM	LFLM02	AM27	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 2-52-261-02394 Or Equivalent	1
LF_LM	LFLM03	AC01	Fabrication and Machining of CLEANING DEVICE to drg.0-52-329-01027 0-52-329-01176 0-52-329-01300 0-53-316-00165 or equivalent Drg.No:- 0-52-329-01027	1
LF_LM	LFLM03	AC02	Machining of WORM GEAR ASSEMBLY for Drg.No:- 2-52-326-00476	1
LF_LM	LFLM03	AC06	Fabrication and Machining of CLEANING EQUIPMENT to drg.0-52-329-01105 2-52-329-01656 01700 01744 1865 or equivalent	1
LF_LM	LFLM03	D56	Fabrication and Machining of HAND CRANK ASSY Drg.No:- 3-52-326-00467	1
LF_LM	LFLM04	AM22	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-00309 3-52-010-01460 Or Equivalent Drg Having Same Work Content	1

LF_LM	LFLM04	AM23	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-02120 Or Equivalent Drg Having Same Work Content	1
LF_LM	LFLM04	AM39	Fabrication and Machining of SEAL ADJ BAR Drg.No:- 6-17-10033	1
LF_LM	LFLM04	D02C	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT 100 KGS to 250 Kgs	1
LF_LM	LFLM04	D02D	Fabrication and Machining of Lifting Beam(ESP) Drg.No:- 2-79-000-03852	1
LF_LM	LFLM04	D02E	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT morethan 2 Kg and UP TO 10 KGS	1
LF_LM	LFLM04	D02F	LIGHT FABRICATION LIGHT M/CING ITEMS UNIT WT UP TO 2 KGS	1
LF_LM	LFLM04	D02G	Fabrication and Machining of Fabrication and Machining of POINTER Assy to drg. 05521400853/04 05533400938/02 25521400504/01 35533500504/01 35533500954 or equivalent	1
LF_LM	LFLM04	D02H	Fabrication and Machining of TEMPLATES TO VARIOUS DRGS WITH WEIGHTS MORETHAN 250 KG AND UPTO 800 KG.	1
LF_LM	LFLM04	D02K	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 10 KGS AND UPTO 50 KGS	1
LF_LM	LFLM04	D02L	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 50 KGS AND UPTO 100 KGS	1
LF_LM	LFLM04	D02M	Fabrication of Lock Washer of various drawings	1
LF_LM	LFLM04	D02N	Machining of Blade pins Dia 25 mm for Drg 4-57-999-02123 or equivalent	1
LF_LM	LFLM04	D02P	Machining of Blade pins Dia 33 mm for Drg 4-57-999-02124	1
LF_LM	LFLM04	D05A	Fabrication and Machining of PIPE CLAMPS UPTO 2 inch Drg.No:- 6-17-10016	1
LF_LM	LFLM04	D05C	Fabrication and Machining of PIPE CLAMPS above 2 inch and upto 3 inch Drg.No:- 6-17-10016	1
LF_LM	LFLM04	D17	Fabrication and Machining of OIL CARRY OVER DETECTOR/OIL INLET PIPE ASSY (HYDRO TEST TO BE DONE) Drg.No:- Drg.No:- 6-17-10006	1
LF_LM	LFLM04	D20B	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA UPTO 1000MM for Drg.No:- 2-56-171-02825	1
LF_LM	LFLM04	D20C	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 1000MM to 2000MM	1
LF_LM	LFLM04	D20D	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 2000MM to 4000MM	1
LF_LM	LFLM04	D20E	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L <LESSTHAN 2 SQ.MTR) for Drg.No:- 1-56-173-04114	1
LF_LM	LFLM04	D20F	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 2 SQ.MTR UPTO 4 SQ.MTR)	1
LF_LM	LFLM04	D20G	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 4 SQ.MT UP TO 8 SQ.MTR)	1
LF_LM	LFLM04	D41	Fabrication and Machining of of Basket Wedge for Drg.No:- 4-53-025-00232	1
LF_LM	LFLM04	D54A	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight upto 10 Kgs.) for Drg.No:- 1-56-226-00290	1
LF_LM	LFLM04	D54B	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 10 to 25 Kgs.)	1
LF_LM	LFLM04	D54C	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 25 to 50 Kgs.)	1
LF_LM	LFLM04	D63	Fabrication and Machining of LIFTING HOOK Drg.No:- 6-17-10014	1
LF_LM	LFLM04	D64	Fabrication and Machining of PINION COVER ASSY for Drg.No:- 1-52-100-00010	1

LF_LM	LFLM04	D70	Fabrication and Machining of SEALING COVER ASSY (under TWO-SPLIT) to Drg. 4ML10100070---/00/00; 1-52-261-00299 OR Equivalent	1
LF_LM	LFLM04	D70A	Fabrication and Machining of SEALING COVER ASSY (UNDER four split) to Drg. 2-52-262-00782 OR Equivalent	1
LF_LM	LFLM04	D75	Fabrication and machining of Articulated Fork as per Drg 3-56-132-00008	1
LF_LM	LFLM04	D75A	Fabrication and machining of Articulated Piece as per Drg 3-56-465-00009	1
LF_LM	LFLM04	D76	Fabrication and machining of Turn Buckle for Drg.No:- 3-55-125-00266	1
LF_LM	LFLM04	D78	Fabrication and machining of ROLLER ASSY for Drg.No:- 4-52-045-00622	1
LF_LM	LFLM04	D79	Fabrication and machining of SUSPENTION ASSY for Drg.No:- 1-55-114-00421	1
LF_LM	LFLM04	GF01	Fabrication and Machining of BRACKET FOR GATES Drg.No:- 3-57-999-08161	1
LF_LM	LFLM04	PP01	Machining of Oil Drain Branch To Drg.No. 35521600390 Or Equivalent	1
LF_LM	LFLM04	PP02	Machining of Oil Drain Branch To Drg.No. 35533500940 Or Equivalent	1
LF_LM	LFLM04	R100	Poke Tube Assy (Economic cutting plan to be followed for example in drg. 6172-0147 a length of 1115 mm will be issued for two pieces to be cut at 45 Deg. for effective utilisation of material.)	1
LF_LM	LFLM04	R101	Fabrication and Machining of Support Bracket Drg.No:- 6-17-20153	1
LF_LM	LFLM04	RS86	Fabrication and Machining of SUPPORTING FLANGE Drg.No:- 6-17-20159	1
LF_LM	LFLM04	RS87	Fabrication and Machining of ALIGNMENT JIG Drg.No:- 6-17-20091	1
LF_LM	LFLM04	RS89	Machining of SLEEVE FOR THERMOSTAT Drg.No:- 6-17-20190	1
LF_LM	LFLM04	TK03	Fabriaction and Machining of FIXTURE FOR JEWEL BEARING AND ALSO TO DRG NO: 35500000519/01 35500000828 45500001123 45600001946 or equivalent	1
LF_LM	LFLM04	TK04	Fabrication and Machining of FIXTURE FOR LOCK NUT AND ALSO TO DRG NO:35500000520/01 35500000521 or equivalent	1
LF_LM	LFLM05	D59	Fabrication and Machining of T-BARS (from I-section) Rotor Angle Bye pass Seal Angle Drg.No:- 1-52-041-00282 2-52-010-00546	1
LF_LM	LFLM05	D60	Fabrication and Machining of CIRCUMFERENTIAL SEAL WITH SUPPORT (ANGLE SECTION ROLLING) for Drg.No:- 3-53-013-00527	1
LF_LM	LFLM06	AM03	Fabrication and Machining of GUIDE TRUN GUARD Drg.No:- 3-52-010-00801	1
LF_LM	LFLM06	D66A	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 500 MM) to DRg 2-02-393-56807/00/00; 3ML10100026---/00/00; OR Equivalent	1
LF_LM	LFLM06	FD50	Fabriaction and Machining of Lever Plate to 56 PGMA for Drg.No:- 2-56-115-01381	1
LF_LM	LFLM06	PC01	Fabriaction and Machining of COMPENSATING WT.(STEEL) 12HUB. to Drg.No. 35533500961(0.63 Kg/No) or equivalentNote: Indicate the deliverable quantity in numbers per month exclusively for this Rate Schedule. (Not withstanding the status of other jobs in hand).	1
LF_LM	LFLM06	PC10	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L110 to Drg.No. 35521600507(1.09 Kg/No) or equivalent	1

LF_LM	LFLM06	PC11	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L95 to Drg.No. 35533500946 (1.5 Kg/No.) or equivalent	1
LF_LM	LFLM06	PC12	Fabriaction and Machining of CONNECTING PIECE from Rod D40 L75 to Drg.No. 35533500955 (1.0 Kg/No.) or equivalent	1
LF_LM	LFLM06	PC57	Fabriaction and Machining of CONT.DISC RING from WSTE36-Plate 25x D450 to Drg.No. 45521400473/02 (8 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LF_LM	LFLM06	PC59	Fabriaction and Machining of COUNTER WEIGHT from P355NH-Plate 40x85x210 to Drg.No. 35521401019 (2 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LF_LM	LFLM06	PC60	COUNTER WEIGHT from P355NH-Plate 75x80x170 to Drg.No. 35533401158 (2.682) 35533401125 (2.682 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LF_LM	LFLM07	FD40	Machining of FLAP FLANGE MORE THAN DIA 160 MM Drg.No:- 4-56-228-03055	1
LF_LM	LFLM07	FD45	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm without Flange Plate Drg.No:- 2-56-115-01381	1
LF_LM	LFLM07	FD46	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm with Flange Plate	1
LF_LM	LFLM07	FD48	Fabriaction and Machining of Lever I AND II without Keyway Boss Dia morethan 100 mm with flange plate	1
LF_LM Total				72
LF_SPL	LFSP02	GF19	Forming of Door Cover by Pressing. Drg.No:- 6-17-20096	1
LF_SPL Total				1
LM	LM0001	PA10	Machining of ADJUSTING DISC FINISHED PART to Drg.No. 25533500749 or equivalent	1
LM	LM0003	PA60	Machining of Axial Roler Brg 51308 to Drg.No. 45521400315/02 (0.55 Kg/No.) or equivalent	1
LM	LM0003	PB20	machining of BRG RACE-REWORK from Brg 51406-V ABN to Drg.No. 45533501662 (0.43 Kg/No.) or equivalent	1
LM	LM0003	PP15	Machining of PRESSING RING to Drg.No. 35521600500/01 or equivalent	1
LM	LM0003	PP16	Machining of PRESSING RING to Drg.No. 35533500944 or equivalent	1
LM	LM0003	PP17	Rework of Bearing race of AP impellers as per drg 3-55-227-01862, 4-55-216-01019 or equivalent. Bearing race to be collected from shop.	1
LM	LM0003	PP19	Machining of OIL RING-I from P355NH-Plate 25x D184 to Drg.No. 45521401774(0.6 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0003	PP20	Machining of OIL RING-II from P355NH-Plate 25 x D240 to Drg.No. 45521401778(1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0003	PP21	Machining of OIL SKID RING from P355Nh-Plate 18 x D210 to Drg.No. 45533401749 (0.9 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0004	AM46	Machining of SEALING TUBE ASSY Drg.No:- 2-52-011-02394 2-52-261-00116	1
LM	LM0004	AM57	Complete Machining Of Retainer Plate-Pri Upto 40 Mm (Including Drawings 25226100114 25226100189 Or Equivalent Having Same Work Content)	1
LM	LM0004	AM58	Complete Machining Of Retainer Plate-Pri More Than 40 Mm (Including Drgs Nos 25226100711 35226101774 Or Equivalent Having Same Work Content)	1

LM	LM0004	AM87	Trunnion Sleeve(For Fully Machining) for upto 110MW-WOs. And to drg. 3-53-261-00063 3-52-261-00515 3-52-261-01402 3-52-261-00399 or equivalent	1
LM	LM0004	AM88	Trunnion Sleeve(For Fully Machining) for 210MW AND 500(Pri)-WOs. And to drgs. 3-52-011-00533 3-52-261-01959 2-52-011-00707 or equivalent	1
LM	LM0004	AN05	ADAPTOR SLEEVE ROUGH MACHINING to drg 2-52-261-01509 OP-SK-APH-0188 Or equivalent	1
LM	LM0004	AN06	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-0622 Or equivalent	1
LM	LM0004	AN07	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-2329 Or equivalent	1
LM	LM0005	D82L	Complete machining of Bearing Covers as per drg (4-55-334-01761) including drilling tapping and slotting etc.. Casting to be collected from stores	1
LM	LM0005	FD44	Machining of Bearing Housing To Drg. 25622700499 25625500052 Or Equivalent.Complete machining as per Drg . Casting will be collected from Shop	1
LM	LM0005	RS90	Machining of SHAFT - I Drg.No:- 6-17-20068	1
LM	LM0005	RS91	Machining of SHAFT - II for Drg.No:- 3-77-017-01853	1
LM	LM0005	RS93	Machining ofDRIVING SHAFT for Drg.No:- 4-55-215-01143	1
LM	LM0005	RS94	Machining ofSHAFT Drg.No:- 6-17-20069	1
LM	LM0006	AM04	Machining of LOWER POST PIN Drg.No:- 6-17-10052 4-52-011-00906	1
LM	LM0006	AM07	Machining of ADJ SLEEVE ASSEMBLY Drg.No:- 6-17-10037 2-52-030-00983	1
LM	LM0006	AM08	Machining of ADJ ROD to drg. 3-52-030-01840 or equivalent	1
LM	LM0006	AM13	Machining of GUIDE PIN ASSEMBLY Drg.No:- 6-17-10040 6-17-10058	1
LM	LM0006	D03A	Machining ofPIPE NIPPLE UPTO 1 inch (from tube)	1
LM	LM0006	D03B	Machining ofPIPE NIPPLE UPTO 2 inch (from tube)	1
LM	LM0006	D03C	Machining ofPIPE NIPPLE UPTO 3 inch (from tube)	1
LM	LM0006	D04A	Machining of PIPE NIPPLE FROM ROD DIA 32 MM Drg.No:- 4-52-100-01140	1
LM	LM0006	D04B	Machining of PIPE NIPPLE FROM ROD DIA 40 MM Drg.No:- 4-52-262-01378	1
LM	LM0006	D04C	Machining ofPIPE NIPPLE FROM ROD DIA 50 MM Drg.No:- 4-52-100-03487	1
LM	LM0006	D04D	Machining ofPIPE NIPPLE FROM ROD DIA 63 AND 80 MM Drg.No:- 4-55-335-01513	1
LM	LM0006	D06A	Machining ofREDUCERS / SW COUPLINGS FROM ROD DIA 32 MM for Drg.No:- 4-53-261-00033	1
LM	LM0006	D06B	Machining ofREDUCERS / SW COUPLINGS FROM ROD DIA 50 MM	1
LM	LM0006	D06C	Machining of Fabrication and Machining ofREDUCERS / SW COUPLINGS FROM ROD DIA 63 MM	1
LM	LM0006	D06D	Machining ofREDUCERS / SW COUPLINGS FROM ROD DIA 80 MM Drg.No:- 4-ML-102-00048	1
LM	LM0006	D06E	Machining ofREDUCERS / SW COUPLINGS FROM ROD DIA 100 MM	1
LM	LM0006	D06F	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 125 MM Drg.No:- 6-17-20151	1
LM	LM0006	D10A	Machining of FIT BOLTS M16 Drg.No:- 4-54-100-00039	1
LM	LM0006	D10B	Machining of FIT BOLTS M20 Drg.No:- 4-56-226-00807	1
LM	LM0006	D12A	Machining of TAPER PINS (THREADED OR PLAIN)-Dia UPTO 10 mm.	1
LM	LM0006	D13A	Manufacture of HEX BOLT UPTO M20X160 Drg.No:- 6-17-10098	1
LM	LM0006	D13B	Manufacture of HEX BOLT UPTO M24X180	1

LM	LM0006	D13C	Manufacture of HEX BOLT UPTO M36X200	1
LM	LM0006	D13D	Manufacture of HEX BOLT UPTO M52X450	1
LM	LM0006	D15A	Machining of FLANGES BORE UPTO 40 MM Drg.No:- 4-55-334-01422	1
LM	LM0006	D15B	Machining of Fabrication and Machining of FLANGES BORE UPTO 50 MM	1
LM	LM0006	D15C	Machining of FLANGES BORE UPTO 75 MM	1
LM	LM0006	D15D	Machining of FLANGES BORE UPTO 100 MM	1
LM	LM0006	D15E	Fabrication and Machining of FLANGES BORE UPTO 150 MM	1
LM	LM0006	D32	PIN RACK SETTING SCREW Drg.No:- 6-17-10025	1
LM	LM0006	D42	Machining of ADAPTER FP 1/2 inch-M18X1 to drg 45533401334/01 (SA105 ROD D36 L40 WEIGHT 0.1 KG/NO) OR Equivalent	1
LM	LM0006	FP01	Manufacture of Fixing Pin of Length upto and including 250 mm Drg.No:- 6-16-00130	1
LM	LM0006	FP02	Manufactur of Fixing Pin of Length above 250 mm Drg.No:- 6-16-00130	1
LM	LM0006	GM05	Machining of CHAIN PIN UPTO DIA 16 MM Drg.No:- 3-48-460-35791	1
LM	LM0006	GM06	Machining of CHAIN PIN ABOVE D16 UPTO DIA 22 MM	1
LM	LM0006	GM07	Machining of CHAIN PIN ABOVE D22 UPTO DIA 32 MM	1
LM	LM0006	GM25	Machining of BRG HOLDER OD UPTO 50 MM	1
LM	LM0006	GM67	Machining of GLAND PLATES AND FOLLOWER PLATES UPTO BORE DIA 85MM OF GLAND PLATE Drg.No:- 4-48-013-35943 4-48-013-35945	1
LM	LM0006	GM68	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 85 MM UPTO 105 MM OF GLAND PLATE	1
LM	LM0006	GM69	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 105 MM UPTO 115 MM OF GLAND PLATE	1
LM	LM0006	LF13	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-10	1
LM	LM0006	LF14	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-11	1
LM	LM0006	PB01	Machining of Packing Box (tube supplied instead of Rod) Drg.No:- 6-17-20086	1
LM	LM0006	PB02	Machining of Packing Box (Rod) Drg.No:- 6-17-20086	1
LM	LM0006	PD60	Machining of DUMMY FLANGE from IS2062-Plate 5 x D150 to Drg.No. 45533501647/01 (0.694 Kg/No.) or equivalent	1
LM	LM0006	PD73	Machining of DRIVE DISC from Plate 50 x D610 to Drg.No. 15533500490(68.5. Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0006	PF11	Machining of FIXING PIN DIA 10 X 20 from SA105-Rod 22 L35 to Drg.No. 45521601282(0.02 Kg/No.) or equivalent	1
LM	LM0006	PF12	Machining of FIXING PIN from IS2062 GrA D16 L30 to Drg.No. 45533501660 (0.015 Kg/No.) or equivalent	1
LM	LM0006	PF30	Machining of FORK from Rod D40 L70 to Drg.No. 35521400101/02 (0.26 Kg/No.) or equivalent	1
LM	LM0006	PL10	Machining of LIFTING EYE from BMC20-Plate 10x80x100 Plate 20 x D105 to Drg.No. 35521400119/01 (1.5 Kg/No.) or equivalent	1
LM	LM0006	PP12	Machining of PLUG SCREW M48X1.5 from SA193B7-Rod D63 L45 to Drg.No. 45521601288 (0.5 Kg/No.) or equivalent	1
LM	LM0006	RS81	Machining of GLAND Drg.No:- 6-17-20093	1
LM	LM0006	RS82	Machining of PAD Drg.No:- 6-17-20077	1
LM	LM0006	RS88	Machining of ADJUSTING SCREW for Drg.No:- 3-79-013-00126	1
LM	LM0006	TK01	Machining of Screw Rod To Drg. 45500001067 45600001961 Or Equivalent	1

LM	LM0006	TK02	Machining of GUIDE RING to drg. 3550000660 45500001061 or equivalent	1
LM	LM0006	TK05	Machining of MANDREL AND ALSO TO DRG NO:45500001075 45600001957 OR EQUIVALENT	1
LM	LM0006	TK06	Machining of SCREW JACK AND ALSO TO DRG NO:35500000517 35600001596 OR Equivalent	1
LM	LM0006	TK07	machining of SCREW ROD to drg. 45500001067 45600001961 or equivalent	1
LM	LM0007	AM18	Machining of SEAL RING RETAINER to drg-no 35226100402 or equivalent	1
LM	LM0007	AM19	Machining of ALUMINIUM SEAL RING UPTO DIA 500 MM SUPPLIED IN TWO PIECES Drg.No:- 2-52-261-00969	1
LM	LM0007	AM31	Machining of Aluminium Seal Ring Less Than Outer Dia 1000 Mm (Including Drg. 2/00969 3/00560 3/00731 3/00732 3-52-011-00955 3/01760 3/01773 Or Equivalent)	1
LM	LM0007	AM32	Machining of Aluminium Seal Ring Above Outer Dia 1000 mm (Including Drgs 3-52-011-00896 3-52-011-02112 Or Equivalent). Segments will be issued from shop.	1
LM	LM0007	AM50	Machining of BRASS PACKING COVER (2 HALVES) Drg.No:- 3-52-261-00114	1
LM	LM0008	D14	Fabrication and Machining of EXPANSION ARRT OF ALL SIZES Drg.No:- 6-17-10069 6-17-10070 1-52-030-00002 1-52-030-00004	1
LM	LM0008	D22	Manufacture of FORM TOOL ASSY to drg.3-79-020-00271/01 OR Equivalent.	1
LM	LM0008	D30	Machining of PIN SPACE GAUGE PIN RACK SPACE SETTING BLOCK Drg.No:- 6-17-10032	1
LM	LM0008	D33	Machining of ADJUSTER ROD drg. 25204500034/02 35203000902/05 35204500236/02 35226100400/05 35500001082 35500001084 37901300126/02 45203000330/08 or Equivalent	1
LM	LM0008	D36	Machining of SCREW RING for Drg.No:- 3-55-124-00046	1
LM	LM0008	D37	Machining of RING DIVIDED for Drg.No:- 3-55-334-00227	1
LM	LM0008	D49	Machining of PLUG M18X1 Drg.No:- 4-55-214-00482	1
LM	LM0008	FD03	Machining of BRG HOUSING Drg.No:- 4-56-115-01874	1
LM	LM0008	FD30	Machining of HEXAGONAL NUT RH 45512400178/02 45511200645 OR EQUIVALENT	1
LM	LM0008	FD31	Machining of HEXAGONAL NUT LH 45611500368/01 OPSKFAN0124 or equivalent	1
LM	LM0008	HM01	Machining of Spanner (Hexagonal Hollow Milling) Drg.No:- 6-17-20104	1
LM	LM0008	PA01	Machining of ADAPTOR FP 3/8 inch from BMC45 Rod D50 L25 to Drg.No. 45521400296/02(0.02 Kg/No.) or equivalent	1
LM	LM0008	PH01	Machining of HEX SCREW M20X80 (RE WORK) from SA193B7-Rod D40 L100 to Drg.No. 45521600850(0.184 Kg/No.) or equivalent	1
LM	LM0008	PL20	Machining of LOCATING PIN D12x20 from SA193B7-rod 25 L30 to Drg.No. 45521401782(0.016 Kg/No.) or equivalent	1
LM	LM0008	PL31	Machining of LOCKING NUT M30x1.5 from SA193B7-Rod D80 L37 to Drg.No. 25521400173/03 Drg.No. OPSKFAN00121 or equivalent	1
LM	LM0008	PN01	Machining of NUT from NUT M35x1.5 to Drg.No. 45533501690/01 (0.710 Kg/No.) or equivalent	1
LM	LM0008	PN02	Machining of NUT M35 X 1.5 to Drg.No. OPSfan00678 or equivalent	1
LM	LM0008	PT03	Machining of THRUST ROD NUT to Drg.No. 35533401012 or equivalent	1
LM	LM0008	RS84	Machining of BEARING Drg.No:- 6-17-20089	1
LM	LM0008	RS97	GRIP COUPLING Drg.No:- 6-17-20174	1

LM	LM0010	PD65	Machining of DISTANCE RING from SA106GrB-Tube 177.8x22.2 L30 to Drg.No. 45521400242(0.74 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PD66	Machining of DISTANCE RING from BMC20-Plate 25xD190 to Drg.No. 45521400244/01 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PD67	Machining of DISTANCE RING from BMC20- Plate 16 x D225 to Drg.No. 45521400466/01 (1.46 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PD68	Machining of DISTANCE RING from IS2062 Plate 8 x 110 to Drg.No. 45533501651 (0.163 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PD69	Machining of DISTANCE RING from IS2062 GrA-Plate 20 x D230 to Drg.No. 45533501654 (1.231 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PD70	Machining of Distance Ring from P355NH-Plate 40 x D190 to Drg. 45533401748 (1.8 Kg/No) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR06	Machining of RING from SA105 Rod D80 L10 to Drg.No. 45521400479/01 (0.01 Kg/No.) or equivalent	1
LM	LM0010	PR11	Machining of RING from SA105-Rod D165 L25 to Drg.No. 45521600973 (1.5 Kg/No.) or equivalent	1
LM	LM0010	PR12	Machining of RING from SA105-Rod 125 L30 to Drg.No. 45521600974 (0.4 Kg/No.) or equivalent	1
LM	LM0010	PR13	Machining of RING from SA105-Rod D125 L20 to Drg.No. 45521601016/01 (0.4 Kg/No.) or equivalent	1
LM	LM0010	PR14	Machining of RING from SA105-Rod80 L10 to Drg.No. 45533501645(0.01 Kg/No.) or equivalent	1
LM	LM0010	PR15	Machining of RINGD80x10 from SA105-Rod DIA 100 x 15 to Drg.No. 45533501658(0.23 Kg/No.) or equivalent	1
LM	LM0010	PR23	Machining of Ring To Drg.No. 45521400268 Or Equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR24	Machining of RING BMC16-Plate 56x D175 to Drg.No. 45521400467/03 (4.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR25	Machining of Ring 16 D 263 Tr 235X4 To Drg.No. 45521600832 Or Equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR26	Machining of RING to Drg.No. 45521600971 or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR27	Machining of RING from P355NH-Plate 16 x 120 to Drg.No. 45533501666(0.30 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR29	Machining of Ring-II From P355Nh-Plate 25 X 158 To Drg.No. 45521401769 (0.5 Kg/No.) Or Equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PR30	Machining of RING-III from 42CrMo4 Plate 25 x D140 to Drg.No. 45521401770 (1.7 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS30	Machining of STOP RING from SA105-Rod 200 L25 to Drg.No. 45521600979 (1 Kg/No.) or equivalent	1
LM	LM0010	PS54	Machining of SUPPORTING RING from SA105 Rod D165 L20 to Drg.No. 45521400475/01 (0.4 Kg/No.) or equivalent	1
LM	LM0010	PS64	complete machining of Cover of oil drain from PI 18 upto dia 110 mm to drg no 4-55-215-02699 or equivalent. Raw material to be collected from stores.	1

LM	LM0010	PS65	complete machining of Cover of oil drain from PI 18 with dia 110- 120 mm to drg no 4-55-216-02941 or equivalent. Raw material to be collected from stores.	1
LM	LM0010	PS66	complete machining of Cover of oil drain from PI 18 with dia above 120 upto 145 mm to drg no 4-55-328-03022 or equivalent. Raw material to be collected from stores.	1
LM	LM0010	PS67	complete machining of Cover of oil drain from PI 18 with dia above 145 mm upto 165mm to drg no 4-55-227-02761 or equivalent. Raw material to be collected from stores.	1
LM	LM0010	PS68	Complete machining of Lifting device from PI 50/55 including drilling and tapping. Drg like 3-55-215-02065, 3-55-334-02057, 3-55-215-02062, 3-55-215-01997 or equivalent. OD cut blanks to be collected from shop.	1
LM	LM0010	PS69	Complete machining of Lifting device from PI 75 including drilling and tapping. Drg like 3-55-328-02106 or equivalent. OD cut blanks to be collected from shop.	1
LM	LM0010	PS70	Complete machining of Lifting device from PI 90 including drilling and tapping. Drg like 3-55-227-01928, 3-55-227-02103 or equivalent. OD cut blanks to be collected from shop.	1
LM	LM0010	PS71	complete machining of oil drain from Rod Dia 110 to drg no 3-55-215-01848 or equivalent. Rod to be collected from stores.	1
LM	LM0010	PS72	complete machining of oil drain from Rod Dia 120 to drg no 3-55-216-02064 or equivalent. Rod to be collected from stores.	1
LM	LM0010	PS73	complete machining of oil drain from Rod Dia 160 to drg no 3-55-328-02108 or equivalent. Rod to be collected from stores.	1
LM	LM0010	PS74	complete machining of oil drain from Rod Dia 165 to drg no 3-55-227-01874 or equivalent. Rod to be collected from stores.	1
LM	LM0010	PS75	complete machining of Oil ring from PI32 including drilling and tapping to drg no 4-55-227-02668 or equivalent. Prepared material to be collected from shop.	1
LM	LM0010	PS76	complete machining of Oil ring from PI50 including drilling and tapping to drg no 4-55-227-02662 or equivalent. Prepared material to be collected from shop.	1
LM	LM0010	PS80	Machining of SPACER to Drg.No. 35533401013 or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS81	Machining of SPLASH RING to Drg.No. 45521600849 or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS82	Machining of SPLASH RING from IS2062-Plate 32 x D270 to Drg.No. 45533501653/01 (2.264 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS83	Machining of STOP RING from P355NH-Plate 25 x D180 to Drg.No. 45533501664 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS84	Machining of STOP RING from P335NH-Plate 20 x D180 to Drg.No. 45533501665 (1 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS85	Machining of SUPPORTING RING to Drg.No. 45521600970 or equivalent. Prepared material will be issued from shop.	1
LM	LM0010	PS86	Machining of SUPPORTING RING from IS2062-Plate 16 x D225 to Drg.No. 45533501649 (0.203 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0011	PS01	Machining of SCR.PLUG M30X1.5 to Drg.No. 45521400474/02 (0.2 Kg/No.) or equivalent	1
LM	LM0011	PS02	Machining of SCREW PLUG from BMCQ45-Rod D16 L20 to Drg.No. 45521400277/02 (0.01 Kg/No.) or equivalent	1

LM	LM0011	PS03	Machining of SCREW PLUG 3/8 inch FP from Hex Screw M20x50 to Drg.No. 45521400469/03 (0.2 Kg/No.) or equivalent	1
LM	LM0011	PS06	Machining of SCREW PLUG M18X1 from BMCQ45-Rod D32 L45 to Drg.No. 45521400482/02 (0.05 Kg/No.) or equivalent	1
LM	LM0011	PS51	Machining of SUPPORT COVER from Sa193B7-Rod D80 L15 to Drg.No. 45533401762 (0.13 Kg/No.) or equivalent	1
LM	LM0011	PS87	Machining of SUPPORT RING to Drg.No. 45521600831 or equivalent. Prepared material will be issued from shop.	1
LM	LM0012	DE1H	Machining of EP SHAFT WITH OUT KEY WAY(Length upto 3Mtr) for Drg.No:- 3-78-509-01170	1
LM	LM0012	DE1K	Machining of EP SHAFT WITH OUT KEY WAY(Length 3 Mtr to 4Mtr)	1
LM	LM0012	DE1M	Machining of EP SHAFT WITH OUT KEY WAY(Length 4Mtr to 5 Mtr)	1
LM	LM0012	DE1N	Machining of EP SHAFTS WITH KEY WAY(Length upto 3Mtr) Drg.No:- 6-17-20171 6-17-20172	1
LM	LM0012	DE1P	Machining of EP SHAFTS WITH KEY WAY(Length 3Mtr to 4Mtr)	1
LM	LM0012	DE1R	Machining of EP SHAFTS WITH KEY WAY(Length 4Mtr to 5 Mtr)	1
LM	LM0013	PA30	Machining of ADJUSTING ROD from SA105-Rod D63 L1100 to Drg.No. 25533500751 (20 Kg/No.) or equivalent	1
LM	LM0013	PA61	Machining ofADJUSTING RING from P355NH-Plate 55xD300 to Drg.No. 35521401020(7.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0013	PA62	Machining of ADJUSTING RING from WSTE335-Plate 28 x 625 to Drg.No. 45521601040(20.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0013	PA63	Machining of ADJUSTING RING from P355Nh-Plate 25 x D450 to Drg.No. 45533501685/01 (8 Kg/No.) or equivalent.Prepared material will be issued from shop.	1
LM	LM0013	PF20	Machining of FLANGE from BMC16-Plate 32 D365 to Drg.No. 25521600316(2.05) or equivalent	1
LM	LM0013	PF22	Machining of FLANGE from BMC16-Plate 32x D165 to Drg.No. 45521600862(3.83 Kg/No.) or equivalent	1
LM	LM0013	PF23	Machining of FLANGE from P355NH-Plate 63 x D180 to Drg.No. 45533501669 (8.5 Kg/NO.) or equivalent	1
LM	LM0013	PF24	Machining of FLANGE 2 PARTS to Drg.No. 35521600927 or equivalent	1
LM	LM0013	PF25	Machining of FLANGE 2 PARTS from 2C35-Rod D250 L60 to Drg.No. 45521600972(7 Kg/No.) or equivalent	1
LM	LM0013	PF26	Machining of FLANGE -2PARTS from P355NH-Plate 63 x D180 to Drg.No. 45533501673 (6 Kg/No.) or equivalent	1
LM	LM0014	CH10	Machining ofCHIMNEY HEX NUT M90 for Drg.No:- 40-A-006-035	1
LM	LM0014	CH20	Machining ofCHIMNEY FOUNDATION BOLT OF ALL SIZES WITH OUT NUT AND WASHER for Drg.No:- 3-87-010-80422	1
LM	LM0014	CH21	CHIMNEY FOUNDATION BOLT OF ALL SIZES WITH NUT AND WASHER for Drg.No:- 3-87-010-80422	1
LM	LM0015	PB50	Machining of BUSH from D100 L65 to Drg.No. 35521400218/03 or equivalent	1
LM	LM0015	PB51	Machining of BUSH from Rod D100 L65 to Drg.No. 35533500950/01 (0.5 Kg/No.) or equivalent	1
LM	LM0015	PB52	Machining of BUSH from BMCQ45-Rod D100 L40 to Drg.No. 45521400267/05(0.28 Kg/No.) or equivalent	1
LM	LM0015	PB55	Machining of BUSH from Tube 127 x 20 L60 to Drg.No. 45521401274/02 (0.125 Kg/No.) or equivalent	1
LM	LM0015	PB56	BUSH from SA105-Rod 100 L35 to Drg.No. 45533501661(0.44 Kg/No.) or equivalent	1

LM	LM0015	PB80	Machining of BRG COVER ASSY from P355NH-Plate 8 x D280 Plte 75x D390 to Drg.No. 15533400976(58 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PB81	Machining of BUSH from WSTE36-Plate 90 x D185 to Drg.No. 45521600882/03 (1.87 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PB82	Machining of BUSH from Naxtra70-Plate 40xD135 to Drg.No. 45521601018 (0.8 Kg/No) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PB83	Machining of BUSH from P355NH-Plate 75 x D150 to Drg.No. 45533501688/01(3 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PC58	Machining of COVER from P355NH-Plate 20 D230 to Drg.No. 35533500952 (4.1 Kg/No)or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PD01	Machining of DISTANCE BUSH from SA193B7-Rod D100 L40 to Drg.No. 45533401759 (0.3 Kg/No.) or equivalent	1
LM	LM0015	PD10	Machining of DISTANCE RING from Rod D80 L70 to Drg.No. 35521400644/02 (0.74 Kg/No) or equivalent	1
LM	LM0015	PD71	Machining of Distance Ring from P355NH-Plate 16 x D180 to Drg. 45533501674 (1 Kg/No) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PD72	Machining of DRIVE DISC from P355NH-Plate 50 x D620 to Drg.No. 15533500847(68.5 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM	LM0015	PR31	Machining of RING to Drg.No. 35533500939 or equivalent. Prepared material will be issued from shop.	1
LM	LM0016	D08A	Machining of Studs SA193B7 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-132-02655	1
LM	LM0016	D08B	Machining of Studs SA193B7 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 3-48-013-33558	1
LM	LM0016	D08C	Machinig of Studs SA193B7 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:-3-48-013-33558	1
LM	LM0016	D08D	Machining of Studs SA193B7 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	1
LM	LM0016	GM22	Fabrication and Machining of ADJ/CO LINK ABOVE M16 UPTO M24 Drg.No:- 3-57-113-01100	1
LM	LM0016	GM23	Machining of ADJ/CO LINK ABOVE M24 UPTO M36	1
LM	LM0016	GM26	Machining of BRG HOLDER OD 51 TO 80 MM	1
LM	LM0016	GM27	Machining of BRG HOLDER OD 81 TO 125 MM Drg.No:- 4-48-013-35173	1
LM	LM0016	GM36	Machining BOSS WITHOUT KEY BORE ABOVE 51MM UPTO 90 MM	1
LM	LM0016	GM40	Machining of GLANDS ABOVE DIA 50 MM UPTO DIA 80 MM	1
LM	LM0016	GM41	Machining of GLANDS ABOVE DIA 80MM UPTO DIA 125 Drg.No:- 3-48-013-33559	1
LM	LM0016	GM42	Machining of GLANDS ABOVE DIA 125 UPTO DIA 165	1
LM	LM0016	GM48	Machining of KNUCKLE LH/RH ABOVE M16 UPTO M24 Drg.No:- 3-48-003-55854 3-48-003-55855	1
LM	LM0016	GM49	Machining of KNUCKLE LH/RH ABOVE M24 UPTO M36	1
LM	LM0016	GM51	Machining of KNUCKLE CENTRE UPTO M24 Drg.No:- 3-48-003-55856	1
LM	LM0016	GM52	Machining of KNUCKLE CENTRE ABOVE M24 UPTO M36	1

LM	LM0016	GM57	Machining of LINKAGE BRG HOLDER Drg.No:- 2-48-003-40623	1
LM	LM0016	GM74	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04635 - (ID 83 mm)	1
LM	LM0016	GM75	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04636 - (ID 95 mm)	1
LM	LM0017	KY01	Machining of Keys made out of Rod Dia < 16 length upto 100 mm	1
LM	LM0017	KY04	Machining of Keys made out of Rod Dia < 32 length upto 100	1
LM	LM0017	KY05	Machining of Keys made out of Rod Dia < 32 length 100 - 150 mm	1
LM	LM0017	KY06	Machining of Keys made out of Rod Dia < 32 length 150 - 250 mm	1
LM	LM0017	KY07	Machining of Keys made out of Rod Dia < 50 length upto 100 mm	1
LM	LM0017	KY08	Machining of Keys made out of Rod Dia < 50 length 100- 150 mm	1
LM	LM0017	KY09	Keys made out of Rod Dia < 50 length 150 - 250 mm	1
LM	LM0017	KY10	Machining of Keys made out of Rod Dia < 80 length upto 100	1
LM	LM0017	KY11	Machining of Keys made out of Rod Dia < 80 length 100 - 150 mm	1
LM	LM0017	KY12	Machining of Keys made out of Rod Dia < 80 length 150 - 250 mm	1
LM	LM0017	PL30	Machining of LOCK KEY 3X10X16 from P355NH-Plate 5 to Drg.No. 45533401757 (0.004 Kg/No.) or equivalent	1
LM	LM0018	D11A	Machining of LOCATING PIN M12 OR M16 Drg.No:- 4-55-215-02013	1
LM	LM0018	D11B	Machining of LOCATING PIN M20 OR M22 Drg.No:- 4-55-216-00850	1
LM	LM0018	D11D	Machining of LOCATING PIN M24 Drg.No:- 4-55-216-00550	1
LM	LM0018	D12B	Machining of TAPER PINS (THREADED OR PLAIN)-Dia more than 10 mm Drg.No:- 3-53-010-00239	1
LM	LM0018	D13E	Machining of SCREW PLUG FP 2 inch (45521400460/01)	1
LM	LM0018	FD13	Machining of LEVER BOSS EXCEPT KEYWAY Drg.No:- 4-56-132-02649	1
LM	LM0018	FD20	Machining of PIN I AND II Drg.No:- 4-56-132-02653 4-56-13202654	1
LM	LM0018	FD34	SHAFT FINAL Machining (DIA 63 L 270) including KEY way Drg.No:- 3-56-115-02701	1
LM	LM0018	FD38	SHAFT FINAL Machining (DIA 63 L 150) including KEY way Drg.No:- 3-56-115-02702	1
LM	LM0019	D08F	Machining of Studs SA105 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	1
LM	LM0019	D08G	Machining of Studs SA105 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	1
LM	LM0019	D08H	Machining of Studs SA105 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	1
LM	LM0019	D08I	Machining of Studs SA105 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-000-02173	1
LM	LM0019	D08J	Machining of Studs SA105 (Single Side) upto M48 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	1
LM	LM0019	D08P	% EXTRA FOR STUDS-DOUBLE SIDE (APPLICABLE FOR STUDS-SINGLE SIDE LOADED UNDER RATE SCHEDULE D08A TO D08J) Drg.No:- 4-56-000-02171	1
LM	LM0019	DE2A	Fabrication and Machining of FDN BOLTS M20 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04512	1
LM	LM0019	DE2B	Fabrication and Machining of FDN BOLTS M27 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04509	1
LM	LM0019	DE2C	Fabrication and Machining of FDN BOLTS M36 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04506	1

LM	LM0019	DE2D	Fabrication and Machining of FDN BOLTS M45 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04508	1
LM	LM0019	DE2E	Fabrication and Machining of FDN BOLTS M63 and above all variants (WITHOUT PAINTING) Drg.No:- 3-79-080-01103	1
LM	LM0019	F64B	Fabrication and Machining of DIAGONAL STAY to drg. 37903200467/02 or equivalent. Rate per No. is applicable for all lengths	1
LM	LM0019	F64C	Fabrication and Machining of LIFTING HOLDER HANGER ASSY WITH NUTS SUPPLIED BY BHEL) Drg.No:-3-79-021-01244	1
LM	LM0019	F64H	Fabrication of SUSPENSION ROD for Drg.No:- 3-79-021-00245	1
LM	LM0019	F64I	COMPLETE FABRICATION OF LIFTING PIN AS PER DRAWING 45204103814 OR EQUIVALENT	1
LM	LM0019	F64J	COMPLETE MACHINING OF SHAFT ROD AS PER DRAWING 35204102529 OR EQUIVALENT	1
LM	LM0019	F64K	COMPLETE MACHINING OF SLEEVE ASSY AS PER DRAWING 35204102530 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	1
LM	LM0019	F64L	COMPLETE MACHINING OF SEALING ASSY AS PER DRAWING 25204103282 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	1
LM	LM0019	F64M	COMPLETE MACHINING OF LIFTING ROD AS PER 35204105231 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	1
LM	LM0020	PC42	Complete manufacturing of Counter weight from forgings to thickness of 100mm with length 450-550 mm as per drawings like 2-55-227-01407 or equivalent. Forgings to be collected from store.	1
LM	LM0020	PC43	Complete manufacturing of Counter weight from forgings to thickness of 110mm with length 450-550 mm as per drawings like 2-55-227-01599 , 2-55-227-01847 or equivalent. Forgings to be collected from store.	1
LM	LM0020	PC44	Complete manufacturing of Counter weight from forgings to thickness of 120mm with length 500-600 mm as per drawings like 2-55-227-01873 , 2-55-227-01994 or equivalent. Forgings to be collected from store.	1
LM	LM0020	PC45	Complete manufacturing of Counter weight from forgings to thickness of 150mm with length 600-680 mm as per drawings like 3-55-228-01655, 3-55-228-02165 equivalent. Forgings to be collected from store.	1
LM	LM0020	PC46	Complete manufacturing of Counter weight from plate of thickness 120 mm as per drawings like 2-55-328-02060 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC47	Complete manufacturing of Counter weight from plate 40 mm with length 250-300 mm as per drawings like 3-55-334-02187 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC48	Complete manufacturing of Counter weight from plate 50 mm with length 200-250 mm as per drawings like 3-55-997-01683 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC49	Complete manufacturing of Counter weight from plate 50 mm with length 250-300 mm as per drawings like 3-55-216-01472, 4-55-216-02986 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC50	Complete manufacturing of Counter weight from plate 63 mm and length 250-350 mm as per drawing like 3-55-215-01527, 2-55-215-01699 or equivalent. Prepared material to be collected from shop.	1

LM	LM0020	PC52	Complete manufacturing of Counter weight from plate 75 mm and length 250-300 mm as per drawing like 3-55-216-01886 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC53	Complete manufacturing of Counter weight from plate 75 mm and length above 300 upto 350 mm as per drawing like 2-55-215-01626, 2-55-216-01801 or equivalent. Prepared material to be collected from shop.	1
LM	LM0020	PC54	Machining of Angular ring from pl 32 to drg no 4-55-215-02001 or equivalent. Prepared material to be collected from shop	1
LM	LM0020	PC55	Machining of holding ring from pl 50 to drg no 4-55-227-02679 or equivalent. Prepared material to be collected from shop	1
LM	LM0020	PC56	Complete manufacturing of Counter weight from plate 63 mm and length above 350 upto 400 mm as per drawing like 3-55-216-02059 or equivalent. Prepared material to be collected from shop	1
LM Total				260
LM_CNC	LMCN01	PA43	Machining of ARRESTING RING from SA105-Rod D200 L23 to Drg.No. 45521400256/04(1.7 Kg/No.) or equivalent	1
LM_CNC	LMCN01	PA44	Machining of ARRESTING RING from SA105-Rod D200 L33 to Drg.No. 45521400480/03 (1.2 Kg/No.) or equivalent	1
LM_CNC	LMCN01	PD61	Complete machining of Connecting /Drive cover as per drg 2-55-334-01041 2-55-334-01037 or equivalent. Cut to size OD835 ID440 from plate 32/40mm will be issued from shop.	1
LM_CNC	LMCN01	PD62	Complete machining of Thrust Disc including Key way as per drg 2-55-335-01319 or equivalent. Casting Dia 400 L175 will be issued from shop.	1
LM_CNC	LMCN01	PD63	Complete machining of Thrust Disc as per drg 2-55-215-01051 or equivalent. Plate Dia 420 L100 will be issued from shop.	1
LM_CNC	LMCN01	PD64	Complete machining of Drive Flange as per drg 2-55-335-01315 or equivalent. Forging Dia 570 L140 will be issued from shop.	1
LM_CNC	LMCN01	PP08	Machining of OIL SUPPLY HEAD to Drg.No. 25521400178 or equivalent	1
LM_CNC	LMCN01	PP09	Machining of OIL SUPPLY HEAD to Drg.No. 35521600512 or equivalent	1
LM_CNC	LMCN01	PP18	Machining of OIL REJECT.RING from P355NH-Plate 18 x D280 to Drg.No. 45533401750 (1.4 Kg/No.) or equivalent. Prepared material will be issued from shop.	1
LM_CNC	LMCN01	PP22	Machining of PRE LOAD RING -I to Drg.No. 35533401008 PRE LOAD RING -II Drg.No. 35533401007 or equivalent. Prepared material will be issued from shop.	1
LM_CNC	LMCN01	PR20	Complete machining of Thrust Ring I and II as per drg 2-55-335-01321 or equivalent. Cut to size Dia 390 from plate 55 mm will be issued.	1
LM_CNC	LMCN01	PR21	Complete machining of Operating Ring as per drg 2-55-334-01040 or equivalent. Forging Dia 420 L120 will be issued.	1
LM_CNC	LMCN01	PR22	Complete machining of Operating Ring as per drg 2-55-335-01322 or equivalent. Casting Dia 400 L200 will be issued.	1
LM_CNC	LMCN01	PR28	Machining of RING-I to Drg.No. 45521401773/01 or equivalent. Prepared material will be issued from shop.	1
LM_CNC	LMCN02	PT04	Complete machining of Thrust Rod as per drg 2-55-335-01420 or equivalent. Forging Dia 160 L1800 will be issued.	1
LM_CNC	LMCN02	R140	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg 1-55-335-00886 1-55-334-00975	1

LM_CNC	LMCN02	R141	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores . Drg.1-55-334-01135 1-55-335-01416	1
LM_CNC	LMCN02	R142	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-216-00399 1-55-215-01144	1
LM_CNC	LMCN02	R143	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-214-00985	1
LM_CNC	LMCN02	R145	Machining of Shaft with bearing assy (NDM 11 Type) drg. 1-56-171-01280/05 1-56-132-01497/01 type) as per drg/QWI	1
LM_CNC	LMCN02	R148	Complete machining of SHAFT as per drg 1-55-215-01704 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	1
LM_CNC	LMCN02	R149	Complete machining of SHAFT as per drg 1-55-216-01840 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	1
LM_CNC	LMCN02	R150	Complete machining of SHAFT as per drg 1-55-216-01889 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	1
LM_CNC	LMCN03	PB10	Fabriaction and Machining of Bearing Cover-6007 From Sa193B7-Rod D80 L20 To Drg.No. 45533401761(0.15 Kg/No.) Or Equivalent	1
LM_CNC	LMCN03	PB30	BLADE SHAFT from 42CrMo4V-Rod D100 L350 to Drg.No. 15533401109(4.518 Kg/NO.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	1
LM_CNC	LMCN03	PB31	BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803(1.15 Kg/No.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY EXCEPT THREADING)	1
LM_CNC	LMCN03	PB32	BLADE SHAFT MACHIING TO DRG 1-55-214-00986 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	1
LM_CNC	LMCN03	PB33	BLADE SHAFT MACHIING TO DRG 1-55-214-01086 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	1
LM_CNC	LMCN03	PB34	BLADE SHAFT MACHIING TO DRG 1-55-214-00172 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	1
LM_CNC	LMCN03	PB37	Complete machining of Blade Shafts 16 Size as per drawing 1-55-216-00435 including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	1
LM_CNC	LMCN03	PB38	Complete machining of Blade Shafts as per drawing (2-55-215-01031)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	1
LM_CNC	LMCN03	PB39	Complete machining of Blade Shafts as per drawing (1-55-334-01137)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	1
LM_CNC	LMCN03	PB41	Complete machining of Blade shaft nut with thread size M100 including drilling, tapping, thread cutting, slotting etc to drg 3-55-228-01657 or equivalent. Forged nuts to be collected from stores	1

LM_CNC	LMCN03	PB42	Complete machining of Blade shaft nut with thread size M75 including drilling, tapping, thread cutting, slotting etc to drg 2-55-328-02066 or equivalent. Forged nuts to be collected from stores.	1
LM_CNC	LMCN03	PB43	Complete machining of Blade Shafts with M35 thread and length 300-400mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 2-55-335-00748 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN03	PB44	Complete machining of lock nut with thread size M35 including drilling, tapping, thread cutting, slotting etc to drg4-55-335-001690 or equivalent. Rod dia 80 mm to be collected from stores.	1
LM_CNC	LMCN03	PB45	Complete machining of lock nut with thread size M45 including drilling, tapping, thread cutting, slotting etc to drg 3-55-216-00501 or equivalent. Rod dia 100 mm to be collected from stores.	1
LM_CNC	LMCN03	PB58	Complete Manufacture of BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803 25533401034 or equivalent.	1
LM_CNC	LMCN03	PB59	Complete Manufacture of BLADE SHAFT NUT M55 X 2 and M52 X 2 from 42CrMo4V-Forging D130 L100 to Drg.No. 25521501032 25521601687 or equivalent.	1
LM_CNC	LMCN03	PB60	Complete Manufacture of BLADE SHAFT NUT M90 X 2 from 42CrMo4V-Forging D200 L145 to Drg.No. 25522701790 or equivalent.	1
LM_CNC	LMCN04	PB61	complete manufacture of bearing/distance bush from plate 75 to 90 mm simialar to Drg no 3-55-227-01649 or equivalent . ID, OD cut prepared material to be collected from shop	1
LM_CNC	LMCN04	PB62	complete manufacture of bearing/distance bush from Rod dia 125 simialar to Drg no 3-55-215-01769 or equivalent . Raw material to be collected from stores	1
LM_CNC	LMCN04	PB63	complete manufacture of bearing/distance bush from Rod dia 200 simialar to Drg no 3-55-328-02100 or equivalent . Raw material to be collected from stores	1
LM_CNC	LMCN04	PB64	complete manufacture of bearing/distance bush with ID groove from plate 50 to 75 mm similar to Drg no 3-55-334-01173, 3-55-334-01009 or equivalent . ID, OD cut prepared material to be collected from shop	1
LM_CNC	LMCN04	PB66	complete manufacture of Support ring and bearing covers from Rod dia 100 mm similar to Drg no 4-55-216-02268, 4-55-216-02261 or equivalent. Raw material to be collected from stores	1
LM_CNC	LMCN04	PB67	complete manufacture of Support ring and bearing covers from Rod dia 125 to 145 mm similar to drawing 4-55-228-03063, 4-55-228-03056 or equivalent. Raw material to be collected from stores	1
LM_CNC	LMCN04	PB68	complete manufacture of Support ring and bearing covers from Rod dia 80 mm similar to Drg no 4-55-335-02277 or equivalent. Raw material to be collected from stores	1
LM_CNC	LMCN04	PB84	complete manufacture of Support ring and bearing covers from PI 18 mm with dia 110 to 125 mm similar to drawing 4-55-328-02991, 4-55-328-02994 or equivalent.Prepared material will be issued from shop.	1
LM_CNC	LMCN05	PB69	Complete machining of Blade Shafts with M100 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01806 or equivalent. Forged blade shaft with required machining allowance to	1

LM_CNC	LMCN05	PB70	Complete machining of Blade Shafts with M100 thread and length 800-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-228-01618 or equivalent. Forged blade shaft with required machining allowance t	1
LM_CNC	LMCN05	PB71	Complete machining of Blade Shafts with M75 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-328-01870 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN05	PB72	Complete machining of Blade Shafts with M80 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01682 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN05	PB73	Complete machining of Blade Shafts with M90 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01872 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN05	PB74	Complete machining of Blade Shafts with M90 thread and length 800-900mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01713 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN05	PB75	Complete machining of Blade Shafts with M90 thread and length 900-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01929 or equivalent. Forged blade shaft with required machining allowance to	1
LM_CNC	LMCN05	PB76	Complete machining of Push/Thrust rod of length 1000-1250 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01095 or equivalent. Forged rod to be collected from stores.	1
LM_CNC	LMCN05	PB77	Complete machining of Push/Thrust rod of length above 1250 upto 1750 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01138, 1-55-335-01615, 1-55-335-01717 or equivalent. Forged rod to be collected from stores.	1
LM_CNC	LMCN05	PB78	Complete machining of Push/Thrust rod of length above 2000 upto 2500 mm including grinding, thread cutting, drilling,etc to drg 1-55-328-01878 or equivalent. Forged rod to be collected from stores.	1
LM_CNC	LMCN06	PB79	Complete machining of SHAFT as per drg 1-55-227-01685 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	1
LM_CNC	LMCN07	TU01	TU 7X2 CUT TO LENGTH 78MM FOR EMITTING ELECTRODE	1
LM_CNC Total				60
LM_EXTRA	LMEX01	MR01	Material removal u/operation done using Lathe by OD Turning (If example if Rod dia 25 is substituted by Rod Dia 40 this rate is applicable for the difference in weight. Ie. applicable for the portion of machiing done EXTRA than originally planned for))	1
LM_EXTRA	LMEX01	MR02	Material removal u/operation done using Lathe by ID Boring (applicable for the portion of machiing done EXTRA than originally planned for)	1
LM_EXTRA	LMEX01	MR03	Material removal u/operation done using Milling(applicable for the portion of machiing done EXTRA than originally planned for)	1
LM_EXTRA Total				3

LM_SPL	LMSP01	PA20	Complete Machining of ADJUSTING LEVER R50 from unmachined casting to Drg.No. 25533400805 (0.4 Kg/No.) or equivalent	1
LM_SPL	LMSP01	PA21	Machining of Adjusting lever to drg: 2-55-227-01740 or equivalent. Lever forgings to be collected from store.	1
LM_SPL	LMSP01	PA22	Machining of Adjusting lever to drg:2-55-227-02044 or equivalent. Lever forgings to be collected from store.	1
LM_SPL	LMSP01	PA23	Machining of Adjusting lever to drg:2-55-228-01604 or equivalent. Lever forgings to be collected from store.	1
LM_SPL	LMSP01	PL02	Complete Machining of LEVER to Drg.No. 25521400169/03 or equivalent	1
LM_SPL	LMSP01	PL03	Complete Machining of LEVER to Drg.No. 25521600376 or equivalent	1
LM_SPL	LMSP01	PL04	Complete Machining of LEVER to Drg.No. 35533500945 or equivalent	1
LM_SPL	LMSP01	PL05	Complete Machining of ADJUSTING LEVER R50 to Drg.No. 25533400804 or equivalent	1
LM_SPL	LMSP01	PL06	Complete machining of Lever as per drawing 2-55-215-01033 2-55-215-01460.Raw casting to be collected from stores	1
LM_SPL	LMSP02	AR21	Rotor Drive Base -Machining Only To Drg-No. 2/00055 1/00074 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR22	Rotor Drive Base -Machining Only To Drg-No. 2/02510 1/01522 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR23	Rotor Drive Base -Machining Only To Drg-No. 1-52-100-00978 1-52-100-02220 1-52-100-02320 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR24	Air Motor Bracket -Machining Only To Drg-Nos.1/00826 1/00979 1/02791 2/02433 2/02706 2/02745 2/02772 2/02997 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR25	Air Motor Bracket -Machining Only To Drg-Nos.2/03001 2/03038 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR26	Electrical Motor Bracket -Machining Only 1/54 2/2996 2/3009 3/1796 3/1837 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	AR27	Electrical Motor Bracket -Machining Only 2/2509 2/3014 2/3036 2/3042 Or Equivalent (Fabricated Base Supplied By Bhel)	1
LM_SPL	LMSP02	BS01	Bearing Support Sub Assembly machining as per drg. 1-52-042-01021/02 1-52-042-00692/04/00 or equivalent	1
LM_SPL	LMSP02	BS03	Brg Supt Sub Assy machining as per drg.1-52-042-01875/02 or eq.	1
LM_SPL	LMSP02	BS04	Brg Supt Sub Assy machining as per drg.1-52-042-01987 or eq.	1
LM_SPL	LMSP03	FW01	WEAR PLATE DRILLING UPTO THICK 8 MM Drg.No:- 2-56-124-04151	1
LM_SPL	LMSP03	FW02	WEAR PLATE DRILLING MORETHAN THICK 8 MM AND UPTO 10 MM	1
LM_SPL	LMSP04	PA24	Complete machining of ACTUATING RING from PI 32 as per drg 4-55-216-00978 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA25	Complete machining of CONNECTING COVER from PI 40 with dia 750-850mm as per drg 2-55-335-02164 or equivalent including drilling and tapping. Prepared material to be collected from shop. No drill jig will be issued from shop.	1
LM_SPL	LMSP04	PA26	Complete machining of THRUST DISC from PI 120 with dia 350-450mm as per drg 2-55-335-01794 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA27	Complete machining of THRUST DISC from PI 55 with dia 550-650 mm as per drg 2-55-328-02073 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1

LM_SPL	LMSP04	PA28	Complete machining of THRUST DISC from PI 63 with dia 400-500mm as per drg 2-55-215-01625 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA29	Complete machining of THRUST DISC from PI 63 with dia above 500-650mm as per drg 2-55-227-01598 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA31	Complete machining of THRUST DISC from PI 90 with dia 350-450mm as per drg 1-55-215-01773, 2-55-216-02023 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA32	Complete machining of THRUST RING from PI 55 with dia 375-425 mm as per drg 3-55-215-01676, 2-55-335-01433 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA33	Complete machining of THRUST RING from PI 63 with dia 375-425 mm as per drg 2-55-216-01411 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA34	Complete machining of THRUST RING from PI 90 with dia 700-750mm as per drg 3-55-227-01927, 3-55-227-02192 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP04	PA39	Complete machining of THRUST DISC from PI 75 with dia 350-450mm as per drg 2-55-216-01410, 2-55-335-01603 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP05	PA35	Complete machining of SHAFT SPACER as per drg 3-55-335-01410 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP05	PA36	Complete machining of SPACER RING from PI 32 as per drg 4-55-227-02667 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP05	PA37	Complete machining of SPACER RING from PI 63 as per drg 4-55-227-02766 or equivalent including drilling and tapping. Prepared material to be collected from shop.	1
LM_SPL	LMSP05	PA38	Complete machining of tension ring/pre load ring from PI 63 including grinding,drilling, tapping,etc to drg 2-55-335-01316, 2-55-335-01317 or equivalent. OD, ID cut prepared material to be collected from shop.	1
LM_SPL Total				36
RECOVERY	REC001	E44	Recovery Rate for Turnings and Borings scrap of CS/AS	1
RECOVERY	REC001	E45	Recovery Rate for Turnings and Borings scrap of SS Non magnetic Non Ferrous	1
RECOVERY	REC001	E46	Recovery Rate for Turnings and Borings Scrap of Stainless Steel-Magnetic	1
RECOVERY Total				3
SPL	SP0001	CP02	Hard Chrome Plating of AP Fan Pistons Both way delivery to BHEL inchs Scope Drg.No:- 0-55-214-00387	1
SPL	SP0002	SN01	CYLINDER NITRIDING 11 AND 12 Sizes- including Testing at approved lab Drg.No:- 1-55-214-00423 2-55-335-00746	1
SPL	SP0002	SN02	CYLINDER NITRIDING - 16 SIZE- including Testing at approved lab Drg.No:- 1-55-216-00439 1-55-216-00952	1
SPL Total				3
WELD_SPL	WESP01	FG01	TOE GRINDING OF IMPELLER (less than 2 MT) Drg.No:- 0-55-126-00647	1

WELD_SPL	WESP01	FG02	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES (less than 2 MT) Drg.No:- 0-55-126-00647	1
WELD_SPL	WESP01	FG03	TOE GRINDING OF IMPELLER-extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG01	1
WELD_SPL	WESP01	FG04	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES -extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG02	1
WELD_SPL	WESP01	IN01	Impeller Welding for Naxtra Matl. Fillet size upto 8 mm (with E11018 Electrode) Drg.No:- 1-56-114-03737	1
WELD_SPL	WESP01	IN02	Impeller Welding for Naxtra Matl. Fillet size 9 mm to 10 mm (with E11018 Electrode)	1
WELD_SPL	WESP01	IN03	Impeller Welding for Naxtra Matl. Fillet size 11mm to 12 mm (with E11018 Electrode)	1
WELD_SPL	WESP01	IN05	Impeller Welding for Naxtra Matl. Fillet size 15mm to 16 mm (with E11018 Electrode)	1
WELD_SPL	WESP01	IW01	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE UP TO 8 MM Drg.No:- 0-56-135-00679	1
WELD_SPL	WESP01	IW02	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 9 MM TO 10 MM	1
WELD_SPL	WESP01	IW03	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 13 MM TO 14 MM	1
WELD_SPL	WESP01	IW04	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 11 MM TO 12 MM	1
WELD_SPL	WESP01	IW05	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 15 MM TO 16 MM	1
WELD_SPL Total				13
Grand Total				680

Section - III C

Enquiry No:- 661001E –

dt 10.01.2022

Eligibility Criteria for Each Group of Rate Schedules

Category	RS Group	Manufacturing Facilities	Distance- Criteria in KM	Land- Minimum in Acre	No.of RSNO
FAB_MACH_SPL	FMSP01	Rolling facility up to 10mm, Mech/Hyd pressing up to 5 T, Welding (MMAW/Co2), Gas Cutting , Grinding ,Pug Cutting , Drilling Max-40 mm required.	350	0.30	23
FAB_MACH_SPL	FMSP02	Rolling facility up to 10mm, Mech/Hyd pressing up to 5 T, Welding (MMAW/Co2), Gas Cutting , Grinding ,Pug Cutting , Drilling Max-40 mm required .	150	0.30	8
FAB_MACH_SPL	FMSP03	Rolling facility up to 10mm, Mech/Hyd pressing up to 5 T, Welding (MMAW/Co2), Gas Cutting , Grinding ,Pug Cutting , Drilling Max-40 mm required.	350	0.30	2
FAB_MACH_SPL	FMSP05	Rolling facility up to 10mm, Mech/Hyd pressing up to 5 T, Welding (MMAW/Co2), Gas Cutting , Grinding ,Pug Cutting , Drilling Max-40 mm required .	350	0.30	3
FAB_MACH_SPL	FMSP07	General Fabrication , Heavy Machining , Milling and Drilling facilities required .	150	0.30	4
FAB_MACH_SPL	FMSP08	Pressing facility upto 4 mm, Shearing, Bending , Punching , Gas Cutting, Grinding and Welding Equipments required	350	0.30	7
FAB_MACH_SPL	FMSP09	Special Fabrication, Rolling Machine, Heavy Lathe , Heavy Milling and Radial Drilling required.	150	0.30	1
FAB_MACH_SPL	FMSP10	General Fabrication, Machining , Pipe Fitting with Hydraulic Test facility is required.	150	0.30	1
FAB_MACH_SPL Total					49
HF	HF0002	General Fabrication with Drilling , Welding (MMAW/Co2), Gas /Pug Cutting , Grinding , required.	150	0.30	3
HF	HF0004	General Fabrication facility with Welding Equipments and Gas/Pug Cutting Machines required.	50	0.30	6
HF Total					9
HF_HM	HFHM02	General Fabrication , Gas cutting , Welding Equipments, MPI and SR facility, Lathe, OD & ID Cylindrical Grinding Machine, Chrome plating etc. required.	450	0.30	4
HF_HM Total					4
HF_LM	HFLM01	Facility for Pressing, Drilling, Lathe, Gas/Pug Cutting Machines and Welding equipments required.	50	0.30	5
HF_LM	HFLM02	General Fabrication , Lathe , Milling and Radial Drilling required.	350	0.30	7
HF_LM Total					12
HF_SPL	HFSP02	Cone Rolling facility upto 10 mm, Gas/Pug Cutting Machines, welding equipments (CO2 with flux coated coil preferable) and Flat Bed required.	150	0.30	9

HF_SPL Total					9
HM	HM0001	Heavy duty Lathe and handling facility required.	150	0.00	11
HM	HM0002	VTL / Horizontal Boring, VMC / Radial Drilling with Tilting facility required.	450	0.00	16
HM	HM0003	VTL / Lathe and Drilling Machine required.	450	0.00	5
HM	HM0004	Horizontal Boring Machine with Rotary table (CNC preferable) required.	450	0.00	2
HM	HM0005	Heavy Duty Lathe required.	150	0.00	29
HM	HM0006	Heavy Lathe ,Slot Cutting Machine required.	50	0.00	1
HM Total					64
HM_SPL	HMSP01	Lathe ,ID GRINDING , Drilling and Milling required.	450	0.00	3
HM_SPL	HMSP02	Plano Milling / Floor Boring Machine / VTL required.	150	0.00	5
HM_SPL	HMSP03	VTL, Milling and Drilling required.	350	0.00	10
HM_SPL	HMSP04	VTL, Milling and Drilling required.	450	0.00	4
HM_SPL	HMSP05	Gas cutting, Welding Equipments, Lathe,Drilling , VTL and Grinding required.	450	0.00	9
HM_SPL	HMSP08	VTL with Drilling facility required.	150	0.00	4
HM_SPL	HMSP09	VTL with Drilling facility required.	150	0.00	2
HM_SPL	HMSP10	VTL with Drilling facility required.	150	0.00	4
HM_SPL	HMSP11	VTL with Drilling facility required.	450	0.00	2
HM_SPL	HMSP15	VTL- UP TO 1000 MM+ HORIZONTAL BORING	450	0.00	1
HM_SPL Total					44
LF	LF0001	Rolling facility upto 10 mm, Gas/Pug Cutting, Grinding and Welding Equipments required.	150	0.00	3
LF	LF0002	Channel Punching Machine- Minimum- 16mm ,Shearing Machine, Press Brake, Welding Equipments and Gas Cutting equipments required.	350	0.00	9
LF	LF0003	General Fabrication , Punching,Drilling facilities required.	150	0.00	4
LF	LF0004	Shearing Machine, Press Brake, Gas/Pug Cutting , Punching Machine, Welding Equipments required .	350	0.00	4
LF	LF0005	General Fabrication , Gas/Pug Cutting, Grinding, Welding Equipments required.	350	0.00	10
LF	LF0006	General Fabrication, Shearing and Punching facilities are required.	150	0.00	7
LF	LF0007	Bending machine , Gas/Pug Cutting , Punching Machine, Welding Equipments required .	50	0.00	1
LF Total					38
LF_LM	LFLM01	Rolling facility up to 10mm, Mech/Hyd press up to 5 T, Welding(MMAW/Co2),Gas/Pug Cutting , Grinding ,Drilling Max-40 mm , Slotting , Milling Machine required.	350	0.00	3
LF_LM	LFLM02	Lathe, Rolling, Welding, Drilling facilities are required.	350	0.00	3
LF_LM	LFLM03	General Fabrication , Shearing , Punching and machining facilites are required .	450	0.00	4
LF_LM	LFLM04	Light Fabrication, Lathe , Gas/Pug Cutting, Grinding, Welding Equipments required.	150	0.00	46
LF_LM	LFLM05	General Fabrication , Section Rolling , Punching facilities are required .	150	0.00	2

LF_LM	LFLM06	General Fabrication facility ,Lathe, Drilling Machine and Milling machines are required.	150	0.00	10
LF_LM	LFLM07	Lathe,Gas Cutting and Grinding Machines required.	50	0.00	4
LF_LM Total					72
LF_SPL	LFSP02	PRESSING MACHINE required.	150	0.00	1
LF_SPL Total					1
LM	LM0001	Lathe, Drilling facilities are required.	150	0.00	1
LM	LM0003	Lathe / CNC Lathe ,Drilling ,Grinding facilities are required.	350	0.00	8
LM	LM0004	Lathe / CNC Lathe ,Drilling ,Grinding facilities are required.	350	0.00	8
LM	LM0005	Lathe / CNC Lathe ,Drilling ,Grinding facilities are required.	150	0.00	6
LM	LM0006	Lathe / CNC Lathe ,Drilling ,Grinding facilities are required.	50	0.00	59
LM	LM0007	Lathe / CNC Lathe ,Drilling ,Grinding facilities are required.	150	0.00	5
LM	LM0008	Lathe or CNC ,Drilling ,Grinding,General Fabrication facilities are required.	150	0.00	20
LM	LM0010	Lathe, Drilling , Milling facilities are required.	350	0.00	41
LM	LM0011	Lathe, Drilling , Milling , slotting facilities are required.	50	0.00	6
LM	LM0012	Lathe, Milling facilities are required.	50	0.00	6
LM	LM0013	Lathe, Drilling , Milling , slotting facilities are required.	150	0.00	10
LM	LM0014	Lathe, Milling facilities are required.	150	0.00	3
LM	LM0015	Lathe /CNC Lathe,Drilling ,Milling, Grinding,General Fabrication facilities are required.	150	0.00	15
LM	LM0016	Lathe, Milling facilities are required.	150	0.00	19
LM	LM0017	Milling Machine ,surface grinding facilities are required.	50	0.00	11
LM	LM0018	Lathe, Milling machine, Drilling and Grinding facility required.	150	0.00	9
LM	LM0019	General Fabrication with Lathe and Milling Machine and Thread Chaser preferable.	150	0.00	19
LM	LM0020	General Fabrication with Lathe and Milling Machine .	150	0.00	14
LM Total					260
LM_CNC	LMCN01	Gas Cutting, Drilling, CNC Lathe, Milling , CNC indexing Table is required.	450	0.00	14
LM_CNC	LMCN02	Lathe /CNC Lathe , Drilling , Milling , Horizontal Boring, facilities are required.	450	0.00	9
LM_CNC	LMCN03	CNC Lathe ,Grinding Attachment, Drilling , facilities are required.	350	0.00	17
LM_CNC	LMCN04	CNC Lathe ,Grinding Attachment, Drilling , facilities are required.	350	0.00	8
LM_CNC	LMCN05	CNC Lathe ,Grinding Attachment, Drilling , facilities are required.	350	0.00	10
LM_CNC	LMCN06	CNC Lathe ,Grinding Attachment, Drilling , facilities are required.	350	0.00	1
LM_CNC	LMCN07	CNC Lathe	50	0.00	1
LM_CNC Total					60

LM_EXTRA	LMEX01	All vendors quoting for Machining Rate Schedules shall quote for these RS also.	450	0.00	3
LM_EXTRA Total					3
LM_SPL	LMSP01	Lathe / CNC Lathe ,Drilling , Milling, facilities are required.	150	0.00	9
LM_SPL	LMSP02	Horizontal Boring, Milling Machine ,Drilling facilities are required.	150	0.00	10
LM_SPL	LMSP03	Drilling , Slotting machines along with Grinding and Hard Punching required.	50	0.00	2
LM_SPL	LMSP04	Drilling , Slotting machines along with Grinding and Hard Punching required.	50	0.00	11
LM_SPL	LMSP05	Drilling , Slotting machines along with Grinding and Hard Punching required.	50	0.00	4
LM_SPL Total					36
RECOVERY	REC001	All vendors quoting for Machining Rate Schedules shall quote for these RS also.	450	(blank)	3
RECOVERY Total					3
SPL	SP0001	Chrome plating.	450	0.00	1
SPL	SP0002	Nitriding - Suitable Bath Tub shall be available.	450	0.00	2
SPL Total					3
WELD_SPL	WESP01	Welding Equipment(with E11018,E7018), preheating facilities, Grinding, Electrical Grinding machine. Chipper and Handling facility up to 15T and Qualified welders are mandatory.	50	0.30	13
WELD_SPL Total					13
Grand Total					680

B) Common Eligibility Criteria for All Groups of Rate Schedules

1	Minimum EB power of 15 Kw
2	Minimum covered area of 1000 Sq.Ft required for working
3	Availability of Good approach road
4	Availability of Fencing/Compound all around
5	Compliance to Statutory requirements such as Insurance, ESI and PF facility for employees, Safety



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SECTION IV

GENERAL TERMS & CONDITIONS OF THE TENDER

Before preparing the offer, vendors are requested to go through the following details carefully

A] Eligibility of Vendors

Firms who are having sufficient manufacturing facilities and experience in manufacturing of similar Fabrication / Machining of jobs for Boiler Auxiliaries components like APH (Air-Pre Heater), ESP (Electrostatic Precipitators), FANs(Industrial Fans), G&D (Gates and Dampers), Chimney, Bunkers, CHP(Coal Handling Plant), AHP(Ash Handling Plants), WEG(Wind Electric Generator), Desalination, Fabric Filters Etc.. and able to meet Eligibility Criteria (Facility Requirement) mentioned against each Group of Rate Schedules can quote for this tender.

Firms already registered with Outsourcing (OS) BHEL/BAP/Ranipet shall indicate vendor code in their offer and indicate PO/IP number for the RS quoted if available. If vendor is new, then mention as "New" in the space provided for Vendor Code.

Vendors registered with any unit of BHEL for the similar jobs, shall give details of their registration along with the category registered for.

Vendors are eligible to quote for Rate Schedules (RS) / Group of RS, subject to meeting eligibility criteria by supporting with relevant documents.

Note:

(i) The facilities indicated in the RS/RS Group should be available in working condition as on date at the time of submission of offer and to be made available for the whole contract period. Vendors shall not quote for the ranges-which are beyond their manufacturing capacity.

(ii) Firm Land shall be owned either by the partners/ proprietor or registered in the name of the firm. In case of Leased land, the lease agreement shall be registered in the name of either by the partners/ proprietor or registered in the name of the firm and valid for a minimum period of 3 years from the date of Tender Opening. Copy of Lease agreement / own land document to be enclosed along with the tender. EC for 20 years to be submitted along with land document.

B] Vendors Not Eligible to Quote

Vendors declared / notified as defaulters / poor performers on quality / delivery grounds are not eligible to quote . The vendors with whom the material shortages were found during stock verification and not settled at the time of tender opening will not be considered. Offers if any received such vendors shall not be considered.

Vendors under HOLD by BHEL are not eligible for such RS and vendor delisted/banned are not eligible for whole tender.

C] Distance Criteria for the Firms

Distance criteria categorised under Four divisions ie. 50 km, 150 km, 350 km and 450 km according to the requirement. The distance restriction for the concerned group is given in **Section III – Technical Specification, Annexure IIIC** and also in Technical Bid.



D] EMD (Earnest Money Deposit)

Non MSE Vendors has to submit EMD for Rs. 2.00 Lakh in the form of Demand Draft favouring “Bharat Heavy Electricals Ltd., Ranipet – 632 406” payable at Ranipet (Original copy should reach BAP RANIPET before tender opening due date) **EMD is applicable for Medium category vendor also.**

(i) No interest shall be payable by BHEL on Earnest Money Deposit (EMD).

(ii) EMD will be forfeited if

a) The Tenderer withdraws his Tender within the validity period,

b) After becoming L1, if the firm does not sign the contract or not submitting the required base BG within the specified period, the EMD will be forfeited.

(iii) The EMD submitted by the vendors will be returned within a month from the date of signing the contract.

E] Validity of Offer

Price validity shall be One Year from the date of finalisation of Annual Rate Contract; however the validity date of the offer is 180 days from the date of tender opening for ordering. (Note: If Supplier does not honour his own offer or any of its conditions within the validity period, penal action deemed fit as per Cl.R of Section IV - Suspension of Business Dealings with vendors).

F] Submission of Offer

TENDERS

An electronic Bids shall be submitted in three parts namely (i) Earnest Money Deposit (EMD) fee / Micro Small Medium Enterprises (MSME)- UDYAM REGISTRATION CERTIFICATE (URC) (ii) Techno Commercial Bid Cover and (iii) Price bid cover.

The details of contents of the offer covers are as under:-

Cover I: EMD / MSME Requirements

a) **Check list Annexure A**

b) **Earnest Money Deposit (EMD) Rs. 2.00 lakh** in the form of Demand Draft, as called for (for Non MSE supplier), **(OR)**

c) **MSE documents** to avail exemption from submission of EMD: –

i) UDYAM REGISTRATION CERTIFICATE (URC)

Date to be reckoned for determining the deemed validity will be the date of Tender opening. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.

Note:

(i) Cover I received without EMD or all Supporting MSE Documents as specified above will lead to rejection of the offer.



Cover II: Qualifying Criteria, Techno-Commercial Bid

- a) **Check list Annexure-B**
- b) **Signed in Technical Bid** for each Group quoted in this tender (without Price) as per **Annexure-C.**
- c) **Signed in Standard Commercial Terms & Conditions format** given as **Annexure-E.,**
- d) **Manufacturing Facilities Available with Firm** as per format given in **Annexure-F**
- e) **Integrity Pact** as per **Annexure-H**
- f) **Affidavit** in Stamp Paper value Rs.100 as per **Annexure-I**
- g) **Own land** - Document copy / **Lease Land** – Self attested Copy of Lease Agreement **for minimum of 3 years period from the date of tender opening . EC for past 20 yrs for both OWN/Lease land to be submitted**
- h) **Documents to be enclosed for Partnership Firm – Self attested Copies**
 - i) Latest Form- A, issued after 01.04.2021.
 - ii) Partnership Deed Copy (AT WILL).
- i) **Documents to be enclosed for Limited Firm (Private Firm) – Self attested Copies**
 - i) Latest resolution by Board of Directors.
 - ii) Memorandum of Article of Association.
 - iii) Company's Affidavit for existence
 - iv) Latest Annual Report.
 - v) Directors Share details
- j) **Vendor Registration Form** given as **Annexure-K** along with all necessary documents **(For New Firm)**

Note:

- (i) Price bids of firms failing to meet the Technical Qualification / Eligibility Criteria of the quoted Rate Schedules shall not be considered for further processing in the tender.
- (ii) Offers shall be submitted along with PAN No., GST No. etc, failing which BHEL will not be liable for payment. BHEL GST No. 33AAACB4146P2ZL.
- (iii) Money values shall not be indicated anywhere in the Technical Bid.
- (iv) Tenders not submitted in the prescribed formats given in the Annexure like *Standard Commercial Terms & Conditions, Technical Bid* etc. and *incomplete offers* are liable for rejection.

Cover-III : Price Bid

Price Bid - Price duly filled-in the Price Bid in excel format provided in the tender document as **Annexure-D** (BOQ) for each Rate Schedule mentioned in the Rate Schedule Group. **Vendor has to quote for all the Rate Schedules available in the Group selected, else their offer will not be considered for the respective Group of Rate Schedules. Price bid should be submitted in Excel format in E tender portal only.**

The Prices shall be indicated in figures .Unit rate only to be mentioned in the price bid.

Price quoted for any RS group without submission of Respective Technical Bid will be summarily rejected.



Any Rates indicated other than in Price Bid Annexure D (BOQ) shall not be considered.

Note:

- i) The price should be on “FOR BHEL, Ranipet” basis only (Inclusive of packing, forwarding and freight charges). No other delivery terms shall be acceptable.
- ii) While quoting their rates, the Bidders are advised to take into account the likely expenditure, escalations, statutory requirements & levies, labour laws, safety requirements, taxes ,etc during the operation of Rate Contract for one year from the date of award of Contract. No price escalation/ variations shall be entertained during the ARC period on any account. The rates are operative for placement of orders for **ONE YEAR** on Rate Contract basis to be entered into between BHEL and the Contractor.
- iii) Tenderer shall bear all cost incidental to preparation, submission and negotiations of the tender.
- iv) If BHEL withdraws the Tender before or after the receipt of offers, whether the offer is accepted or not, tenderer shall not be entitled to claim any costs, charges, expenses incidental or incurred by him through or in connection with the submission of the offer.
- v) In case, there is a discrepancy in the term quoted in techno-commercial bid and price bid, the term as per the techno-commercial bid (Cover II) shall hold good and the commercial term quoted in the Price Bid (Cover III) shall not be considered.
- vi) In their own interest, all Tenderers are advised to double check their prices before submitting the offer.
- vii) The quotation should be valid at least for a period of 180 days from the tender opening date.
- viii) Vacant
- ix) The offers should invariably contain Signature (ink-signed) & Office Stamp of the Supplier. Any corrections / erasures in the offers should be initialled and stamped.
- x) Bidders should submit the prices in Indian Rupees only.

G] Persons Authorized for Signing the Offers:

The Tender documents shall be signed by the Authorized Signatory Only.

- i) **Proprietary Firm:** In case of Single Ownership / Proprietorship establishment, the Tender shall be signed by the Owner / Proprietor Only.
- ii) **Partnership Firm:** In case the Bidder is a Partnership Firm under Partnership Act, the Tender shall be signed by all the Partners of the firm or by the Managing Partner who have Signature and Seal of the Firm authorized to do so **OR** by a person holding the Power of Attorney on behalf of the Partnership Firm. Power of Attorney attested by a Public Notary shall accompany the Techno-Commercial-Bid. Power of Attorney shall be submitted as per format given as **Annexure J** only.
- iii) **Private Firm:** Authorized signatory shall be the person holding “power of attorney” on behalf of the firm/company/Bidder-concerned and authorized/empowered by MD or Board of Directors or owner of the firm, to act on behalf of the firm for quoting this Tender and all proceedings connected with, till finalization and execution of the Contract. Power of Attorney attested by a Public Notary shall accompany the Techno-Commercial-Bid.
- iv) This tender is being floated through E Procurement Portal. Submission of requisite documents for tender are being submitted by the Authorized Signatory of the Firm.
- v) For participating in the e-tender, Digital Signature Certificate Class III is mandatory for the subcontractor to quote.



- vi) Subcontractors should quote the rate and fill other required details only in the respective fields provided.
- vii) The offer should be submitted on or before the due date & time mentioned in the Procurement portal. Further tender due date extension, if any, will be communicated through E-procurement portal only. Hard copy bid or bids through E-mail / fax shall not be accepted.
- viii) Subcontractor should take utmost care for the use of their Digital Key registered while participating in a Tender.
- ix) Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Revisions, etc. to Tender Specifications will be hosted in E Procurement portal or B2B portal.

H] Opening of Offers

a) Tenders shall be received up to 10.00 Hours (A.M) on the said due date and be opened on the same day at 16.00 Hours (P.M).

- b) It is bidder's responsibility to ensure that the Tenders are submitted before the specified date and time.
- c) vacant
- d) First Cover I containing EMD / MSME documents shall be opened, only if EMD as mentioned above OR the valid MSME certificate is available, the respective Cover II - Techno Commercial bid will be opened subsequently.
- e) Price bids – Cover III of Technically qualified bidders alone shall be opened on a later date. The date / time of Price Bid opening will be communicated to the technically qualified Bidders separately.

Note

- (i) Bids including all enclosures and supporting documents like catalogues, pamphlets, etc., shall be provided in ENGLISH language only.
- (ii) vacant
- (iii) At its option, BHEL may consider extending the due date/s for the tender openings. Sufficient notice would be given by BHEL for such extensions.

I] Evaluation of Techno Commercial Offers

- a) The Techno commercial bids submitted by the firm will be scrutinized. The eligibility of the firms will be verified based on the pre-qualification criteria of the tender and compliance / confirmation to the tender requirements for each Rate Schedules/ Group of Rate Schedules quoted. Only those firms complying with the pre-qualification criteria shall be considered for participation in the tender.
- b) Once the vendor is found to be technically suitable meeting all the technical and commercial requirements of BHEL, price bid of those qualified vendors for respective category only will be considered for further processing.
- c) Offers of vendors not technically qualified will be rejected and the same will be communicated to the vendors with reasons.
- d) No deviation or change from the Tender conditions will be allowed and BHEL reserves the right to reject such offers.

e) **Conditions for rejection of offers:**

Following is the list of situations which would lead to rejection of offer/s.



This list is not exhaustive but only indicative.

BHEL reserve the right to reject one or all offers without assigning any reason. The decision of BHEL will be final in this regard.

1. *If the offer fails to meet the technical requirements/specifications of the tendered item/s.*
2. *If the offer does not meet the commercial terms & conditions, such as but not limited to delivery period specified in the tender, Delivery terms, payment terms, Liquidated damages, Risk Purchase, cancellation clause etc., specified in the tender.*
3. *If the bidder fails to respond to clarification sought, within a reasonable period. In case of doubts / lack of clarity on the technical and commercial offer of the bidder, BHEL will seek clarifications. Bidders are required to respond completely to such BHEL's queries within 3 working days unless otherwise agreed to in writing by BHEL for period beyond 3 days. If supplier fails to respond within 3 working days or maximum 2 working days on a reminder thereon, the offer of such bidders will be automatically dis-qualified in the tender without further recourse to informing the bidder.*

]] Evaluation of Price Bid

- i) The rates quoted shall be evaluated RS wise on the basis of "Total cost to BHEL".
- ii) If the rates of Two vendors are equal resulting in same ranking, among the equal ranked vendors, the sub-ranking will be done to differentiate (a) to decide the L1-vendor eligible for negotiation and (b) to decide H1-vendor for elimination of higher ranked vendors.

The sub-ranking will be done in-the-order by providing lower ranking for vendors

- (1) Nearer to BHEL by location
- (2) Earlier date of commencement of activity as in MSME certificate
- (3) Having OWN land,
- (4) Become Sole-L1 for more number of Rate Schedules,
- (5) Earlier date of receipt of offer and /or
- (6) Draw of lots as a final measure (in presence of such vendors, who may like to be present).

iii) Tenderer contacted in this tender does not automatically qualify for consideration just because they are found to be the lowest in Tender. BHEL reserves the right to reject any offers without assigning any reasons. BHEL also reserves the right to negotiate or counter offer the rates to any of the parties at their discretion.

iv) If the L1 rate against any rate schedules is found not acceptable to BHEL, then the L1 firms may be called for negotiation before finalizing the rate.

v) BHEL has the right to refloat or short-close the Tender if L1 price is not the lowest acceptable price, or for other reasons.

vi) Elimination of Vendors:

- a) **10% of the bids with highest rates in the order of ranking (H1, H2, H3, etc) for each Rate Schedule will be eliminated from tender. (ie. 90% of the offers received, rounded to next higher number will be considered eligible) However H1 vendors will not be considered under any circumstances (excluding T&B recovery Rate Schedules) for the concerned Rate Schedules .**
- b) **If the response is 20 and below for any Rate Schedule, only H1 vendor will be eliminated.**
- c) **In case of two qualified responses, no elimination will be done.**



- vii) The rates shall be quoted only in the Price Bid format for the concerned Rate Schedule / Group of Rate Schedule attached, in figures.
- viii) All bidders shall submit their offers by filling-in the format of the BHEL tender documents. Offers received in any other format are liable to be rejected. Offers are asked in BHEL's format for purpose of standardisation - to help in the offer evaluation.
- ix) Offer with any pre-conditions (like conditional discounts) for price are liable for rejection.
- x) BHEL reserves the right to reject without assigning any reasons other than already specified for such offers having deviations to BHEL Specifications, Standard Terms & Conditions at its discretion. The decision of BHEL in this regard shall be final.
- xi) In case of any discrepancy between the description of the Rate Schedule or quantities, specifications, drawings and for other tender documents, the decision of BHEL in writing is final, binding and conclusive for the purpose of this contract.
- xii) BHEL reserves the right to reject an offer due to unsatisfactory past performance during tender finalisation / execution of a contract at any of BHEL projects / units.
- xiii) BHEL reserves the right to conduct negotiations on the "Price" and "Other Commercial Terms and Conditions" with the lowest ranked offeror and
- xiv) If so required by BHEL, Supplier may have to share their cost data / costing sheet with BHEL.
- xv) BHEL reserves the right to restrict the number of parties for award of contract for any or all the Rate Schedules and restrict the number of parties to be called for negotiation (if necessary) based on their competitive bidding, past performance etc.

K] Abnormally Low Offers

If the prices offered by L1 Bidders are found to be unrealistic, unworkable with respect to BHEL's estimate or prevailing market rates, BHEL will ask for justification also demand the break up cost element for such rates from the vendors with appropriate documentary evidence and if not submitted it will be construed that the vendor has offered the rates with an intention to sabotage BHEL Tender process/ tamper Tendering procedure, affecting the ARC process. In such cases, BHEL will have the discretion to reject the offer in line with BHEL procedures. Hence the bidders are advised to exercise abundant care in submitting a correct genuine offer.

L] Counter offer

- i) Once the L1 rates for the rate schedules are finalized by BHEL, then the L1 rate shall be counter offered to the other technically qualified vendors for the quoted rate schedules for their acceptance.
- ii) Based on the acceptance of vendors for the Rate Schedules, rate contract will be entered with those vendors for the accepted rate schedules.
- iii) Counter offering will not be extended to top higher ranked (H1.etc.) eliminated vendors as per **clause J(vi).**
- iv) If none of the vendors are accepting for the counter offer given by BHEL, then BHEL will place orders on the L1 ranked vendor for the tentative quantity mentioned against each RS subject to the capacity availability indicated by the vendor.

M] Placement of Orders and Loading



- a) ARC Contract will be entered only with the vendors who respond to this ARC-Enquiry and only for the respective Rate Schedules quoted by them. New vendors who have not responded to this ARC-Tender-but registered/approved later, if any will be permitted in the next year ARC (provided they respond to the next-year ARC).
- b) Annual Rate Contract would be signed by the vendors for the acceptable Rate Schedules by way of becoming L1 and accepting counter offer rates for the respective Rate Schedules with BHEL, Ranipet subject to the availability of requisite acceptable Bank Guarantee.
- c) Tentative quantity likely to be ordered against each Rate Schedule is indicated in the Technical Bid. Tender quantity may increase/decrease during the rate contract period. BHEL does not guarantee any minimum load for any vendor.
- d) The contract is to be signed in Rs.100/- stamp paper. Hence after getting a confirmation on signing of contract, vendor shall get a stamp-paper for a value of Rs. 100/- and submit to BHEL for contract preparation.
- e) After finalization of tender, if the Contractor is awarded the Contract, Proprietor, Partners and Directors (as applicable) should physically present themselves and sign the contract in the presence of Head of OS Department with in the dates specified.
- f) Orders would be placed as Addenda's on the Annual Rate Contract signed by the vendors.
- g) Loading priority will be given among the L1,L2,L3 vendors who have signed the Annual Rate Contract, in the order of original ranking (i.e. from L1 ranked vendor) subject to the Capacity availability, BG, Delivery Performance, Quality Performance, Legal compliances, validity of lease documents, Validity of constitution etc.,
- h) If none of the vendors are accepting for the counter offer given by BHEL, then BHEL will place orders on the L1 ranked vendor for the tentative quantity mentioned against each RS subject to the capacity availability indicated by the vendor.
- i) The total available load from time to time will be distributed to those Contractors with preference to L1, L2 and L3, with whom Contract is entered into and to that Contract, the addenda shall be placed in a phased manner subject to the availability of potential for BHEL and also depending upon vendor performance such as collection of Raw materials in time, manufacture according to BHEL plans/requirements, meeting quality requirements, prompt returning & accountal of balance materials and also the minimum required facilities available at the Contractor's works to meet the job requirements and submission of other reports as called for, then and there. BHEL does not guarantee ordering of any minimum quantity on any Contractor.
- j) Purchase orders will be issued after entering into Rate contract with the Contractors. Discrepancy in the PO's if any, has to be settled immediately then and there within 10 days from the date of release of PO.

N] Execution of the Order

- a) Once the order is released, vendor can view the orders in B2B portal of BHEL, Ranipet. However vendor has to collect Engineering Drawings and relevant documents from BHEL through their authorised representative.

Based on the Rate contract, to be finalized, the Sub-Contractors shall accept and undertake all jobs awarded to them under various Rate Schedules allotted to them and execute them to the satisfaction of BHEL. Failure to comply with this requirement will be viewed seriously.

- b) Vendor has to collect Raw materials / Components from BHEL stores / Shop to their works on clearance.
- c) Vendor has to study the Drawings, Welding Procedure Specification (WPS), Standard Quality Plan (SQP), any Customer Hold Points (CHP), any stage inspection requirement etc. carefully before start of manufacture.



- d) Vendor has to submit Cutting Plan (CP) for the collected Raw Materials within a week of collection and shall get approval from CP section before proceeding for manufacture.
- e) During manufacturing, wherever stage inspection is required, vendor has to offer for inspection to BHEL QC / BHEL approved Inspection Agencies for clearance to proceed further.
- f) All measuring Instruments to be calibrated as per standards at BHEL Metrology / any approved Labs on chargeable basis and manufacturing / inspection will be carried out with calibrated instruments only.
- g) On completion of Job, final inspection is to be offered to BHEL QC / BHEL approved Inspection Agencies with relevant Dimensional Report (DR). After clearance from the above agencies, Inspection Report (IR) has to be obtained for the same.
- h) Painting of one coat Red Oxide / applying of Rust Preventive oil on machined surfaces is to be made on the job.
- i) Despatch the items to BHEL, Stores / Shipping along with Delivery Chelan (DC), Inspection Report (IR), and Dimensional Report (DR) each 6 copies and shall get Inward Entry on Delivery Chelan (DC) from the Gate In charge.
- j) On delivery, authorised representative of vendor shall follow Stores /Shipping to control the DC's/Stores Receipt Voucher(SRV).
- k) Intimation of controlled DC's/SRV will be mailed by Finance to vendors for submitting the Invoices.
- l) Vendors have to submit the invoice and relevant documents to finance in stipulated time for the release of payments.
- m) In case of new vendors, The Inspection report on **First-of-trial** of First-addendum-PO shall be submitted. Further loading of jobs will only be considered after the successful completion of the First-addendum-PO.
- n) The Contractors are responsible till the semi finished components are safely deposited with BHEL / Ranipet. They should carefully pack, Load, and stack as per QWIs, for avoiding damages during transit and lash the consignment properly at the time of dispatch so that the consignment reach the destination safely.

O] Risk Purchase

Alternatively, the BHEL at his option will be entitled the contract and to manufacture elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefor. The supplier shall be liable for any loss which the BHEL may sustain by reason of such risk purchases in addition to penalty at the rate mentioned in LD clause.

In case those vendors do not execute the orders, BHEL may get the job done through other sources at the Risk and cost of those vendors and the extra expenditure involved shall be recovered from these vendors from any amount due to them.

P] Liquidated Damages:

BHEL will levy penalty as Liquidated Damages (LD), for delay in delivery. The damages shall be at the rate of ½% per week or part thereof subject to a maximum of 10%. Delivery for purpose of L.D, will be reckoned as the date of clearance of the items for dispatch by BHEL. Supplier should quote a definite delivery period and any delay in delivery will attract penalty.

The delivery period includes time involved in material collection, cutting plan approval, collection of further materials if any and handing over of the finished goods to BHEL-Shipping. Finished goods items shall be door delivered at Shipping/Stores inside the factory, BHEL, Ranipet.

Q] Termination of Inquiry / Orders:

- a) BHEL reserves the right to cancel any inquiry before opening of the tender, without assigning any reason.



- b) BHEL reserves the right to cancel any tender and refloat a fresh tender, at any time after opening of the tender, in case it finds the response to its tender as not meeting its requirement. This shall be at the sole discretion of BHEL.
- c) In the event of non-performance of the contract by the Supplier, BHEL reserves the right to cancel the order with issue of a written notice. BHEL would provide a curing period of 30 days, for the Supplier to rectify the situation. If the Supplier fails to rectify the reason/s that led to the issue of cancellation notice by BHEL, then the cancellation order would be issued automatically by BHEL, without further recourse to the Seller. BHEL will not pay any cancellation charges or any other charges / damages to the Supplier, arising out such cancellation.
- d) In the event of the non-performance of the contract, by the Supplier, the rights of BHEL include, in addition to cancelling the order, to take alternate action at the cost and risk of the supplier. The additional expenditure to be incurred by BHEL in such alternate action would be to the account of the supplier.
- e) BHEL reserves the right to cancel the order for delay in supply beyond penalty period without any monetary or legal obligations and at the risk and cost of the Supplier. and
- f) BHEL will levy penalty as Liquidated Damages (LD), for delay in delivery. The damages shall be at the rate of ½% per week or part thereof subject to a maximum of 10%. Delivery for purpose of L.D, will be reckoned as the date of clearance of the equipment for dispatch by BHEL.

R) Suspension of Business Dealings with vendors

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

1.0 Integrity commitment, performance of the contract and punitive action thereof:

1.1. Commitment by BHEL:

BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the contract. BHEL will during the tender process treat all Bidder(s) in a transparent and fair manner, and with equity.

1.2. Commitment by Bidder/ Supplier/ Contractor:

1.2.1. The bidder/ supplier/ contractor commit to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit in any manner which tantamount to an offence punishable under provision of the Indian Penal Code, 1860 or any other law in force in India.

1.2.2. The bidder/ supplier/ contractor will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.

1.2.3. The bidder/ supplier/ contractor will perform/ execute the contract as per the contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation to BHEL.

If any bidder/ supplier/ contractor during pre-tendering/ tendering/ post tendering/ award execution/ post-execution stage indulges in mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, then, action may be taken against such bidder/ supplier/ contractor as per extant guidelines of the company available on www.bhel.com and/or under applicable legal provisions".

S] Force Majeure

i) If at any time during the currency of this contract, the performance in whole or in part, by either party of any obligations under this contract shall be prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events), then provided notice of happening of any such events is given by either party to other within ten days from the date of occurrence thereof, neither party shall reason of such events be entitled to terminate this contract nor shall either party have any such non performance and delay is resumed as soon as practicable after such events has come to an end or ceased to exist. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason or any such event claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser of the particulars of the events and supply to the purchaser if required of any supporting evidence. Any waiver of time in respect of partial installment shall not be deemed to be a waiver of time in respect of remaining deliveries.

ii) If as a result of difficulty in procurement of raw materials or due to force majeure reasons or any other reasons what-so-ever the contractor is unable to keep the delivery schedule of the contractee, extension of time may be granted by the contractee at their discretion as may be necessary to the extent considered necessary should there be delay in supply beyond the extended date of delivery, it shall be open to the contractee to terminate the contract in part or full and make other arrangements for executing fabrication elsewhere at the cost and risk of the contractor.

T] Integrity Pact

IP is a tool to ensure that activities and transactions between the company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External monitor (IEMs) have been appointed to oversee implementation of IP in BHEL.

The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competed to participate in the bidding. In other words, entering into pact would be a preliminary qualification.

SI no	IEM	Email
1	Shri Arun Chandra Verma, IPS (Retd.)	acverma1@gmail.com
2	Shri. Virendra Bahadur Singh, IPS (Retd.)	vbsinghips@gmail.com

Please refer section-8 of the IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the IEM mentioned in the tender.

No routine correspondence shall be addressed to the IEM (phone / post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/issues shall be addressed directly to the tender issuing (procurement) department".

For all clarifications/ issues related to the tender, Please contact:

Name: B.Sivasubramanian Manager & S.Srinivasan, Exe.Addl.Engr II
Deptt: Outsourcing
Address: BHEL, Ranipet
Phone: (Landline/ Mobile) 04172-284030/284158/ 9442586376 & 9442308554
e-mail: bsmanian@bhel.in & ssvasan@bhel.in

Integrity Pact are applicable for all the BHEL enquiries whose estimated value is equal to or more than Rupees 02 Crores.

Copy of Integrity Pact with applicable nominated IEM is attached along with the tender documents for ready reference of Suppliers.

U] Fraud Prevention Policy:

The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on **BHEL website <http://www.bhel.com>** and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

As per BHEL's Fraud prevention Policy, Nodal officers were nominated by BHEL Management. The details of such Nodal officers are furnished below:

Name shri/Smt	Designation	Mail ID	Phone No
Manimala K P	GM-OS & WCM	manimala@bhel.in	04172-28 4050
Ashok K	GM-,SOM , ENGG, PMS & DTG	apa @bhel.in	04172-28 4607
Ravikumar P	GM- OPERATIONS	pravi @bhel.in	04172-28 4574
Saravanan G A	GM- MM, Marketing & New Growth Areas	saravananga @bhel.in	04172-28 4446
Suresh Kumar P	AGM – Coml ,RM & Shipping	psureshkumar @bhel.in	04172-28 4300
Umapathi N K	Vigilance	umapathi@bhel.in	04172 -28 4463
Balasubramanian K	Internal audit	kbala@bhel.in	04172 -28 4304
Vijayalakshmi K G	GM- Finance	kgviji@bhel.in	04172- 284518

Any bidder / contractor who come across any fraudulent behaviour of BHEL's employees may communicate the same to any / all of these Nodal officers.

V] Others

a) The Firms are advised to study and understand the scope of work and the entire process of Contract execution involved before quoting. Any technical clarifications required can be sought in person or by e-mail one week before the due date of Tender opening.

b) In case of any contradiction in the terms and conditions given here and elsewhere in the other documents of the tender or any omissions in the Tender documents or for any clarifications in the tender conditions, it shall be the responsibility of the tenderer to get it clarified from BHEL. The officer authorized to provide such clarifications is the Manager / Contracts, Outsourcing Department, Phone: 04172 – 284030, e-mail bsmanian@bhel.in , ssvasan@bhel.in

c) Alterations to the conditions of the Tender can be done only by the authorized officer, at any time before the date and time of tender opening. Such changes, if any, would be communicated in writing and / or hosted in the web-page.

d) BHEL will conclude that the offer has been submitted by the firm fully understanding all the requirements both explicit and implied and other conditions and accepting the same. After tender opening, the bidders are not allowed to change / alter any of the conditions either partly or fully. Offers of any such firms doing so, will be rejected.

e) Conditional and late Tenders, Tenders which are incomplete or otherwise considered defective with respect to Tender conditions and Tenders not in accordance with the Tender conditions herein contained and the Tenders not in original shall be rejected outrightly, at any point of time during the Tender processing.

- f) Should the tenderer or the contractor have a relation or relations in the case of a firm or company of contractors, one or more of its shareholders or relations or relations of the share holders employed in BHEL or any ex-employee who has retired / resigned within a period of two years as on date of quotations or at any subsequent date after the award of the contract, the authority inviting the Tender shall be informed of the fact at the time of submission of the tender and there after as applicable and obtain the clearance of BHEL for such engagement failing which, BHEL may in its own discretion reject the tender or rescind the contract.
- g) If a Bidder is found to have given false information / documents as a part of their offer, such offers shall be rejected / the contract shall be terminated and the firm shall be banned from getting business from all BHEL units.
- h) If any Supplier attempts to bribe, or pay commission, gift or any advantage or bring in undue influence either by himself or on his behalf any one including a stranger to the tender, in addition to instituting legal proceedings as per the extant laws prevailing, will disqualify the supplier from this tender and all future tenders of BHEL. Decision of the Purchaser would be final in this matter.
- i) The laws governing this transaction shall be the laws in India.
- j) The tenderer shall acquaint himself with the conditions/limitations and official regulations under which or conforming to which the jobs are to be performed and shall examine carefully at the information as may be furnished to them in writing from time to time.
- k) The tenderer shall acquaint himself with applicable Acts.
- l) As a policy BHEL is not registering any power of attorney issued by Contractors/Contractors in favour of their bank for the collection of Invoice amounts on behalf of Contractors/Contractors and merely because BHEL had acted upon any such request by the party or their bankers does not constitute any legal right or binding on BHEL for any acts of omissions and commissions or failure to act upon it or for any payment made directly to the party. If any banker includes BHEL also as a party to any such dispute between the banker and the party, all legal and incidental expenses thereof will be recovered from the concerned parties only.
- m) In the event of an order, Supplier shall agree to settlement of disputes or differences, if any, by way of arbitration, in accordance with the "Rule of Arbitration" of the Indian Council of Arbitration.
- n) The offer/s of such of those bidders who do not accept for levy of liquidated damages (LD) for delay in delivery and who do not accept for submission of the BG for the value and period specified herein above is likely to be summarily rejected. No correspondence would be entertained by BHEL in this regard, on this subject. BHEL specifically draws the need of this mandatory requirement to the notice of all Bidders. The Price Bid of such of those offerers failing to meet this requirement, would not be considered for the Price-Bid Opening.*
- o) The language in the tender downloaded by the Bidders shall at no point of time be changed, altered or modified in any manner by the Tenderer. If such changes are made by any tenderer, it shall be considered as tampering with BHEL's specifications and the offer shall be summarily rejected, whenever it is noticed by BHEL. Such Bidders would be disqualified from the Bidding Process and their offers would be forfeited / Bank Guarantees invoked. They would not be allowed to participate in future tenders of BHEL.*

W] General :

1.0 Definitions : Throughout these conditions and in the specifications the terms :

- (a) **"The Contractee"** means the Bharat Heavy Electricals Limited, acting through the Additional General Manager, Outsourcing Department ,Boiler Auxiliaries Plant, Ranipet – 632 406 unless the context otherwise provides.
- (b) **"The Contractor"** means the person, firm or company with whom the order for machining / fabrication is placed and shall be deemed to include the Contractor's successor (approved by the Contractee),



representatives, heirs, executors and administrators, as the case may be, unless excluded by the terms of the Contract.

(c) **"The Drawings"** means the drawings exhibited or provided for the guidance of the Contractor.

1.0 Execution :

The whole contract is to be executed in the most approved substantial and workman like manner to the entire satisfaction of the contractee, or the inspecting officer, who shall have power to reject any of the fabrication of which he may disapprove; and his decision thereon and on any question as to the true intent and meaning of the specifications of drawings or of the work necessary for the proper completion of the contract, shall be final and conclusive. The contractee may require alterations if any to be made during the progress of machining /fabrication, and should these alterations be such that either partly to the contract considers an alteration in the changes justified such alteration shall not be carried out until amended cost of machining /fabrication charges have been submitted by contractor and accepted to fabricate without obtaining the consent of the contractee in writing to an amended cost of machining /fabrication charges, the contractor shall be deemed to have agreed to execute fabrication at such charges as may be considered reasonable by the contractee.

2.0 Interpretation :

Any dispute or difference of opinion in respect of the interpretation, effect or application of this particular condition of the contract or of the amount recoverable here under from the contractor shall be decided by the contractee and the decision shall be final and conclusive.

3.0 Book Examination Clause :

(a) The contractor shall, whenever required, produce or cause to be produced for examination by any officer of the contractee authorized in that behalf any cost or other account book or account voucher, receipt letter, memorandum, paper or writing or any copy of extract from any such document and also furnish information and returns verified in such a manner as may be required in any way relating to the execution of this contract or relevant for verifying, ascertaining, the cost of execution of this contract (the decision of such officer of the contractee on this question or relevancy of any document, information or return being final and binding on the parties). The obligation imposed by this clause is without prejudice to the obligation of the contract/Job-Work-Order or under any statutory rules or orders binding the contractor.

(b) The contractor shall, if the authorized officer of the contractee so requires (whether before or after the prices have been finally fixed), afford facilities to the officer of the contractee concerned to visit the contractor's works for the purpose of examining the process of manufacture and estimate of ascertaining the cost of production of the articles. If any portion of the work be carried out by a Contractor or any subsidiary or an allied firm or company, the authorized officer of the contractee shall have power to secure the books of such Contractor or any subsidiary or an allied firm or company shall be open to this inspection.

4.0 Set – Off Clauses :

Payment shall be subject to the deduction of any amount, for which the contractor is liable under this contract, or any contract in respect of which Bharat Heavy Electricals Limited, Ranipet 632 406, Tamilnadu is the Contractor.

5.0 Laws Governing the Contract :

(a) The contract shall be governed by the laws of Government of India in force.

(b) Irrespective of the place of execution of the contract, place of delivery, place of payment under the contract, the contract shall be deemed to have been made at Ranipet.

6.0 The Global Compact :

Global compact is a signature initiative of United Nations Security General and four United Nation Agencies

- Office of the High Commissioner for Human rights
- International Labour Organization
- United Nations Environment Programme
- United Nations Development programme

This is a board based initiative and engages:

- Individual Companies
- Business Associations
- International Labour
- Human Rights, Environment and development Organisations
- Academic & Public Policy Instructions and United Nations

The Contractee (BHEL) is a member of this Global Compact. As a participating Company, We have the obligation to

- ** Support and respect Human rights with in our spheres of influence.
- ** Make sure we are not complicit in Human right abuses.
- ** Make sure we are not employing forced or compulsory labour.
- ** Refrain from employing child labour
- ** Eliminate discrimination in our hiring and firing policies
- ** Support a precautionary approach to Health, Safety of employees and society and environmental challenges.
- ** Undertake initiatives to promote greater environmental responsibility
- ** Encourage development and diffusion of environmentally friendly technologies.

Contractor shall also ensure to fall in line with the above principles.

8.0 Occupational Health and Safety Management System (ISO 45001) and Environmental Management System (EMS 14001)

BHEL/BAP/RANIPET got accreditation Occupational Health and Safety Management System (ISO 45001) and Environmental Management System (EMS 14001). As per this, OS Contractors are requested to meet the requirements of EHS (Environmental Health & Safety) guidelines (mentioned below), while engaging and using Vehicles for incoming/outgoing transportation.

- To have valid Driving licence and RC book for the Transports
- To load the vehicle/bullock cart within the Safe Working Load (S.W.L.) The S.W.L. is to be displayed/painted on the vehicle/bullock cart.
- To load the material in such a way that it should not project outside the dimensions of the Vehicle/bullock cart.
- To stack the material in a manner that the material should not slide/fall during transportation.
- During manual lifting with an Adult, the weight should not exceed 50 kg.
- To attempt to adopt ISO 45001 / ISO 14001 requirements in their manufacturing process at Contractor's work place.



- To comply with applicable provisions of the Central Motor Vehicles Rules 1989 (Rule:136 and if any). List of important Phone Nos: (given by OS) should be available with the driver while transporting BHEL materials.
- To train drivers to handle emergency situation during transportation.
- To follow the Various Acts/Rules and Regulations (particularity Factories Act 1948 and Tamil Nadu Factory Rules 1950) applicable to them.
- To maintain valid PUC (Pollution Under Control) certificates and produce while vehicle is in this company premises.

Contractors are requested to meet the requirements of ISO 45001 / ISO 14001 as given below:

- ** To adopt OHSAS 18001 / ISO 14001 requirements in their manufacturing process at Contractor's work place.
- ** To comply with applicable provisions of the Central Motor Vehicles Rules 1989 (Rule: 136 and if any).
- ** To follow the applicable Acts/Rules and Regulations (like Factories Act 1948 and Tamil Nadu Factory Rules – 1950) applicable to them.
- ** In addition to this, they should follow the day to day communication of OS on this regard.

Attention to Vendors

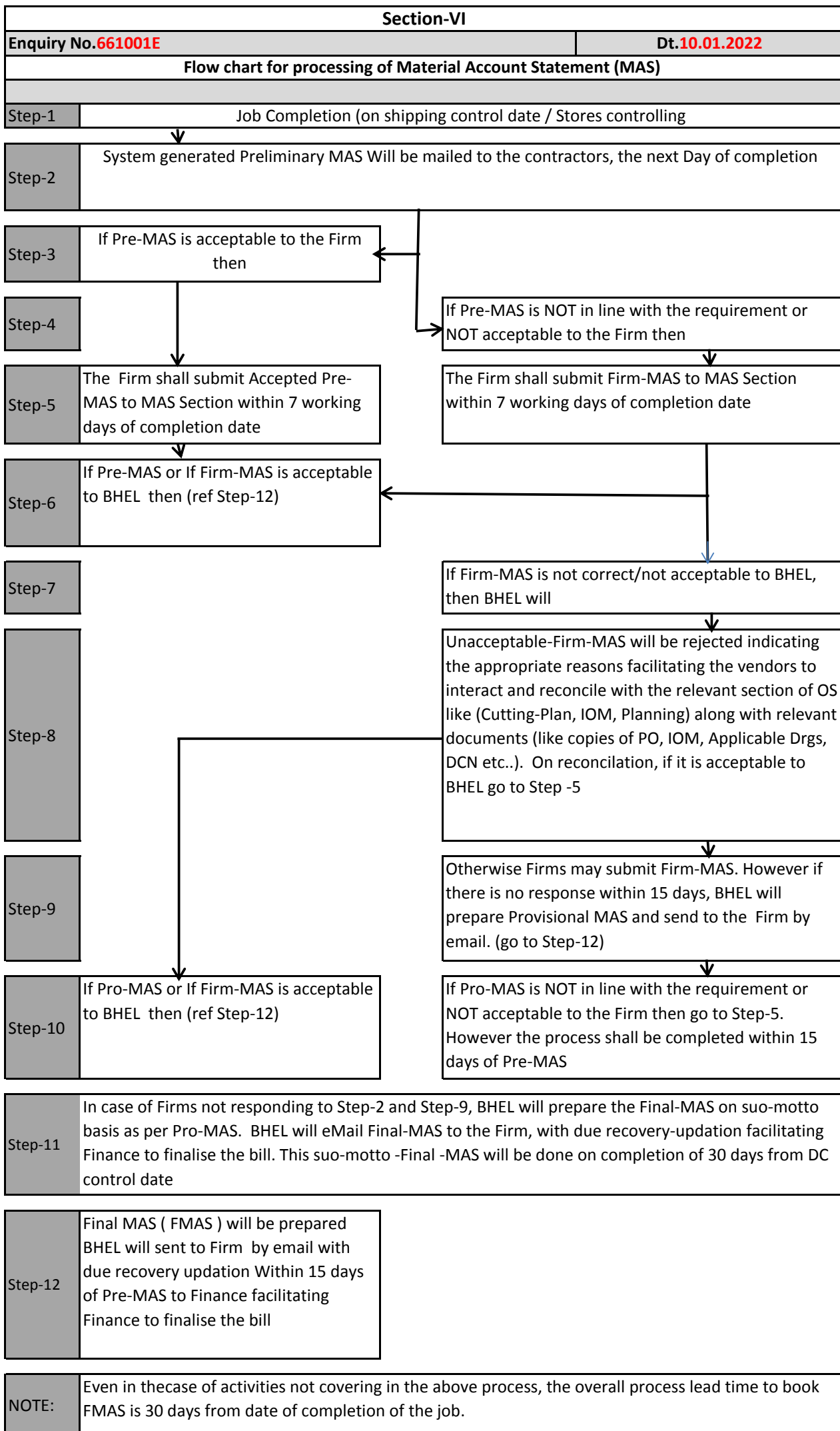
- **Attach only the documents mentioned above under Clause F – Submission of Offers.**
- **Write Vendor Code / Vendor reference Code legibly in the offer wherever required.**

Scope Codes

Code	Description	Applicable Items
1	Complete manufacture strictly as per drg.	ALL PP ITEMS (including trunnion sleeve)
2	Deleted	
3	Complete machining only strictly as per drg on the fabricated / casting / forging / prepared material issued by BHEL.HT if any is not in firm's scope.	STAT. SPOOL M/C, G.B SPOOL M/C ,HUB FRONT PART M/C ,, ETC.,
4	Complete fabrication excluding drilling, tapping and machining strictly as per drawing. HT if any, is not in Firm's scope.	FABRICATION ITEMS
5	Complete machining except key way milling / slotting strictly as per drg .	LEVER BOSS, LEVER, SPROCKET
6	Complete fabrication except plate bending / rolling / section rolling (which will be done by BHEL for which collection & delivery shall be in firm's scope) strictly as per drawing. For Sealing for Impeller' follow PRQA:590.	AXIAL SEAL PLATES, SWIVEL ASSY, SEALING FOR IMPELLER
7	Complete drilling, countersunking, and slot cutting of holes if any strictly as per drawing from the prepared materials supplied by BHEL. Plate bending, welding if any is not in firm's scope. All holes shall be matched with Flat nibbed bolt (if applicable) issued by BHEL. If raw materials are issued the cut to profile operation is in firm's scope for which extra charges are payable as per MSA Main ARC: RS.No.52A. Painting is not in your scope. Follow SQP:FAN 317.	WEAR PLATES, BLADES
8	Complete manufacture strictly as per drawing without heating elements. Flat 65X8 is covered separately in the P.O if applicable. Stacking of finished items at BHEL yard is in your cope. All flats and end plates of the baskets shall be supplied in loose and tacked condition. If FI 65X8 is not indicated in drg, the length of the Flats shall be made to suit the sides of the respective baskets. Flat 65X8 shall be painted with Yellow paint. Follow QCP: A017.	BASKETS
9	Complete toe and general grinding on the welded impellers/Shfts / General grinding of extension pieces /blades supplied from BHEL. For Impellers, Toe grinding on Blade ,cover plate and centre plate welded area as applicable at entry and exit ends on either sides to the length as per drg, and General grinding on blade, impeller ring, cover plate and centre plate welded area as per drg. The transport charges are payable extra as per the actual BHEL weighment record for a) Impellers supplied with binder plates and b) extension plates. T&B scrap and cut bit scrap recovery is not applicable. Painting not in scope.	IMPELLER GRINDING, SHAFTS, EXTENSION PIECES / BLADES GRINDING
10	Complete welding strictly as per drawing and applicable WPS, on the tack welded impellers supplied by BHEL. Toe and general grinding as per drawing and cover plate correction shall be done. MPI before and after heat treatment shall be done. If heat treatment is not done by firm and done at BHEL the transport charges shall be paid extra – maximum 2 times as per applicable annual rate contract TPT charges. If Impeller is issued with binder plate, the weight recorded at BHEL weigh bridge only will be considered for the payment of TPT charges. T&B scrap and cut bit scrap recovery is not applicable .Painting is not in firm's scope. Follow SQP::FAN317. Rate for MPI shal be payable extra as per respective Rate Schedule.	IMPELLER WELDING
11	Complete manufacture, testing and Assy, strictly as per drawing. Sub-delivery items will not be supplied and however necessary matching on the threaded components shall be taken care to the individual drawing. Follow QCP: F013. Painting is to be done on the outer surface only.	OIL TANK ASSY
12	Complete fabrication except machining strictly as per drawing. Wherever Naxtra material is involved welder qualification shall be done for which test coupon material shall be issued by BHEL. For bigger size flanges material will be issued as plates and cut into min. 3 segments of 120 deg' apart to form a ring and butt welding to be done. DCN to be obtained wherever applicable .Conduct MPI on welds. Follow SQP:FAN:317. If the items are Double cone type, extra rates as per RS:FC10 payable for which specific endorsement in IR is to be obtained.	CC PLATE FABRICATION
13	Complete machining except drilling strictly as per drg on the fabricated conical cover plate issued by BHEL. Follow SQP:FAN:317.	CC PLATE M/C
14	Complete nitriding to a thickness of Min. + 0.035 mm and hardness to 450 HV min. to be done as per drg. Test pieces will be issued and to be nitrided along with cylinders. After nitriding test pieces are to be sent to Central lab. BHEL, Try for testing purpose at your cost. However testing charges will be borne by BHEL. As test pieces are subjected to destructive testing the same need not be returned. No T & B, cutbit scraps generated. Painting not applicable. Follow SQP: FAN333.(Tpt. Inclusive)	CYLINDER NITRIDING
15	Complete machining, assembly and hydro testing of cylinder assembly as per drg. Bush (It.04 of drg) and sealing ring (It.03 of drg), nitriding and balancing are not in your scope. Follow SQP: FAN333	CYLINDER MACHINING
16	Complete manufacture, assembly and testing strictly as per drawing .–Follow QCP:2:4:258 (providing of Oil for testing is to vendor's scope)	CLEANING DEVICE
17	Complete manufacture strictly as per drawing except machining. For Hub assy, the centre flange shall be sent in tacked condition with machining allowance. For Hub assy (divided) the item is to be manufactured in divided and Supplied as assembled in tacked condition. To avoid machining on dividing flanges the flatness of	HUB ASSY, HUB ASSY(DIVIDED), HUB FRONT PART ,, ETC.,

Scope Codes

17 cont.	the same is to be ensured. For Hub front part the items are to be supplied without machining allowance on the dividing flanges and to eliminate the machining, ensure flatness of dividing flanges while fit up stage. A local gap of 0.5 mm only is allowed between dividing flanges. Eliminate the machining allowance shown on end flanges. Suitably cut cone shell to fix the dividing flanges.	
18	For Gate frames , Complete manufacture strictly as per drawing except bearing bracket, mounting bracket, lock plate assy. Cut out on frame assy for lock plate assy, drive shaft assy if any need not be done. Splice plate is to be sent in tacked condition. Drilling on frame for assy of chain guard need not be done. Follow SQP:NP:04 during Mfr. Seal fixing holes to Dia 14 mm is to be drilled as per drg. Weld projection 6V-45 degree as per detail 'Q' is to be ground flush. If mating flange is ordered along with frame, the same is to be supplied in match drilled and assembled condition. Stud welding on side frame of LH & RH are to be controlled to max 4 mm fillet. All SS studs & screws are to be covered with gum tape while despatch. For Damper frames, Complete manufacture as per drg excluding mounting brackets. Necessary Glands, Gland plates, Follower plates, Studs will be supplied as components which are to be assembled in the frame. The shaft holes of both main walls are to be match drilled. Follow WPS 106 for welding of studs. Shaft holes are to be spaced in centre line. The straightness & parallelity of the frame sides and studs are to be ensured.	GATE & LOUVRE FRAMES
19	Complete machining strictly as per drawing. 10mm allowance on insertion diameter shall be provided while machining. Deep hole drilling if any, is not in your scope. Follow SQP: FAN345	SHAFT PINS
20	Complete manufacture as per Drg. Threaded portion shall be applied with one coat of rust preventive oil, suitably protected and packed to avoid transit damage. Items are to be painted with synthetic enamel smoke grey to IS 2932.	CHIMNEY FOUNDATION BOLT.
21	Complete manufacture as per drawing except key way. Follow SQP:NP:04.	GATE SHAFTS BOTH IDLER AND DRIVE
22	Complete Manufacture as per drg. If the item has spot faced holes, amount as per Extra RS:KE99 payable.	PARALELL KEYS.
23	Complete fabrication strictly as per drawing with the raw-materials issued by BHEL. MPI shall be done before and after Heat treatment on the items. Heat treatment and machining is not in your scope. Raw-material Attestation procedure shall be followed . Follow wps:065.	PISTON ASSY FABRICATION
24	Complete manufacture and assembly including manufacturing of Glands, Gland plates, Follower plates, Studs (excluding actuator mounting brackets). The shaft holes of both main walls are to be match drilled. Follow WPS 106 for welding of studs. Shaft holes are to be spaced in centre line. The straightness & parallelity of the frame sides and studs are to be ensured.	DAMPER FRAMES (Including manufacture of Glands, Gland & Follower plates, Studs)
25	Complete machining except slot milling, drilling & tapping. The ID & OD surface finish m/c ing to finish 1.6 is not in your scope and these areas alone are to be machined as per BHEL-OP&C-Sketch.	HOUSING SLEEVES, ADOPTER SLEEVE
26	Deleted	deleted
27	Complete manufacture, assembly and testing (at DU level) strictly as per drawing .--Follow QCP:2:4:258 (providing of Oil for testing is to vendor's scope)	CLEANING EQUIPMENT
28	Complete manufacture as per drawing except key way. Follow SQP:NP:04, (Wherein (1) the Rough Machined Shaft Pins will be issued by providing a stock of 4mm on Dia)	GATE SHAFTS BOTH IDLER AND DRIVE
29	Rough Machining of items (like Gate Shaft Pins) by providing a stock of 4MM on dia and 10mm on the total length, for the respective drg.s	PINS FOR GATE SHAFT
30	Gate Blade Welding as per OP&C Sketches. Two pieces of edge prepared Gate Blades to be collected from Shop. Blade Joining, MPI inspection(on both sides of the welding after flush grinding) and for root welding back gouging :LPI is to Firm's scope E8018W-Electrode to be used (for these Corten material)(Supply of Electrode is not in BHEL scope)	Gate Blade
31	scope as in scope code 18 PLUS manufacture of Bearing Bracket	Gate Frame, Louver Frame
32	scope as in scope code 17 However the scope of Rolling is to BHEL's scope	HUB ASSY, HUB ASSY (DIVIDED),HUB FRONT PART , ETC.,
33	The requisite Drgs/Sketches will be forwarded by BHEL. The CNC Coding will be forwarded by BHEL either through email or through floppies. Cutting plan to be submitted for our approval prior to cutting Nesting to be done by the contractor All the Gas Cut edges to be cleaned and ground Invisible wastage of 2.5mm for every CNC Gas cut upto 50mm thick Plate and 4 MM for Plates more than 50 MM thickness.	CNC Gas Cutting of Plates (I S2062/ Corten/ Naxtra/ Xar/ WSTE Or Equivalent):
50	As detailed in Purchase Order	Wherever applicable
Note-1	Extra rates such as MPI charges, NDT charges, RT charges, Conversion charges such as Plate to Flat, Structural to structural, Special painting charges etc., as per MSA (Main) ARC payable extra if applicable for which specific endorsement in the IR is to be obtained.	
Note-2	Non-ferrous / Galvanised items if any need not be painted (No recovery applicable).	
Note-3	Unless specified all items are to be painted with red-oxide zinc chrome primer to a DFT of 25 microns and machined areas are to be applied with rust preventive oil. Extra Rate Schedule are applicable for cases of painting required to be done more than the 25 Microns	



Section VII			
BHEL/BAP/Ranipet ::: OS-LDPP-ARC-2022-23 ::: Enquiry 661001E Dt.10.01.2022 ::: PAGE: 01 / 02			
LIST OF RATE SCHEDULE FOR WHICH CONTRACTOR NEED NOT SUBMIT MAS (Note: Though Some of the rate Schedules covered in this list the Unit is NOT in "Numbers", the PO will be released in "Numbers").			
SI	Rs-No	RS-Short Description	Unit
1	AM20	Sta Spool, Sta Spool Supp Ring,Supt Brg Hsg Cover M/C To Drg 0-52-011-00561/02/00; Or Equivalent	NO
2	AM21	Sta Spool, Sta Spool Supp Ring,Supt Brg Hsg Cover M/C To Drg 1-52-261-00450/04/00; Or Equivalent	NO
3	AM44	GB SPOOL MACHINING BY VTL TO DRG 1-52-047-001131, 1-52-047-01327 OR EQUIVALENT	NO
4	AM54	GB SPOOL MACHINING BY VTL TO DRG 1-52-041-00458, 1-52-041-01137, 1-52-041-01872, 1-52-041-02172 OR EQUIVALENT	NO
5	AM59	Machining Of Support Trunnion Flange Plate 145 x 1450 to drg. 45201102885 Or Equivalent	NO
6	AM61	Machining of Brg Runner Plate OP-SK-APH-01801	NO
7	AM62	Machining of Sup.Brg.Hsg.Base Plate OP-SK-APH-01112	NO
8	AM64	Brg Runner PI 170 Xd 1540 Op-Sk-Aph-1896, op-sk-aph-1092	NO
9	AM65	Base Plate PL 160 X 1640 Op-sk-aph-2298	NO
10	AM66	Machining of Support Brg Hsg Base Plate (Primary) PI 170 x 1540 to drg.no. OP:SK:APH:1896	NO
11	AM67	Machining of Support Brg Hsg Base Plate (Secondary) PI 160 x 1450 to drg.no. OP:SK:APH:1896	NO
12	AM71	Brg. Runner Plate 120Xdia 1200 Sketch: OPSK APH 0814 OR Equivalent.	NO
13	AM72	Brg. Runner Plate 120Xdia 800 Sketch OPSKAPH0496/00/00 OR Equivalent.	NO
14	AM74	Rotor Post Hdr.(GE)-PL 150 x Dia 1240 mm Drg. 35201101698 OR Equivalent.	NO
15	AM75	Rotor Post Hdr.(SE)-pl 155 x Dia 1450 mm Drg. 35201100904 OR Equivalent.	NO
16	AM76	Rotor Post Hdr.(SE)-PL 140 x Dia 1240 mm Drg. 45201102971 OR Equivalent.	NO
17	AM77	Rotor Post Hdr.(SE)-PL 155 x Dia 1450 mm Drg. 45201101809 OR Equivalent.	NO
18	AM78	Rotor Post Hdr.(GE)-PL 155 x Dia 1450 mm Drg. 35201100903/03 OR Equivalent.	NO
19	AM79	Supp.Trun.Flange-PL 145 x Dia 1000 mm Drg. 45201101810 OR Equivalent.	NO
20	AM80	Supp.Trun.Flange-PL 145 x Dia 1300 mm Drg. 35201100889/02/00 OR Equivalent.	NO
21	AM95	Rotor Post Hdr.(GE)-PL 170 x Dia 2100 mm to Sketch OP-SK-APH-0767 (Ref Drg.3-52-011-00762/06) OR Equivalent.	NO
22	AM96	Rotor Post Hdr.(SE)-PL 275 x Dia 2100 mm Drg 3-52-011-01758/06/00 OR Equivalent.	NO
23	AM97	Rotor Post Hdr.(SE)-PL 155 x Dia 1350 mm Drg 3-52-011-01759/06/00 OR Equivalent.	NO
24	AM98	Rotor Post Hdr.(SE)-PL 250 x Dia 2100 mm to sketch PO-SK-APH-0768 (Ref. Drg 3-52-011-00888) OR Equivalent.	NO
25	CP02	Hard Chrome Plating of AP Fan Pistons Both way delivery to BHEL's Scope.Bending Test also to be conducted 1.Chrome plated sheet of 3.15mmx100mmx150mm shall be used for bend test. 2.Sheet shall be bent through 180 Degrees with 2 times the thickness of the palte as radius. 3.No flaking on OD of the bend shall benoticed.	Thou per Sq. Inch
26	FG01	TOE GRINDING OF IMPELLER (less than 2 MT)	MR
27	FG02	GENERAL GRINDING OF IMPELLER , EDGE PREPERATION /SMOOTH GRINDING OF BLADES & WEAR PLATES (less than 2 MT)	MR
28	FG03	TOE GRINDING OF IMPELLER-extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG01	MT
29	FG04	GENERAL GRINDING OF IMPELLER , EDGE PREPERATION /SMOOTH GRINDING OF BLADES & WEAR PLATES -extra rate payable for every one MT morethan 2 MT FOR JOBS LOADED UNDER FG02	MT
30	FW01	WEAR PLATE DRILLING UPTO THICK 8 MM	HO
31	FW02	WEAR PLATE DRILLING MORETHAN THICK 8 MM AND UPTO 10 MM	HO
32	FW03	WEAR PLATE DRILLING MORETHAN THICK 10 MM AND UPTO 16 MM	HO

Section VII

BHEL/BAP/Ranipet ::: OS-LDPP-ARC-2022-23 :::

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LIST OF RATE SCHEDULE FOR WHICH CONTRACTOR NEED NOT SUBMIT MAS

(Note: Though Some of the rate Schedules covered in this list the Unit is NOT in "Numbers", the PO will be released in "Numbers").

Sl	Rs-No	RS-Short Description	Unit
33	RP01	Rotor Post Assy 05201101110 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
34	RP02	Rotor Post Assy 05201101256 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
35	RP03	Rotor Post Assy 05201101262 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
36	RP04	Rotor Post Assy 15201101799 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
37	RP07	Rotor Post Assy 0-52-011-01338/01 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
38	RP08	Rotor Post Assy 0-52-011-01087/03 (MACHINING) BOTH WAY DELIVERY TO BHEL'S SCOPE	NO
39	SN01	CYLINDER NITRIDING 11 & 12 Sizes- including Testing at approved lab	MT
40	SN02	CYLINDER NITRIDING - 16 SIZE- including Testing at approved lab	MT
41	SP06	Machining of Sector Plate Assy to various drg., Area per no. UPTO 4 Sq.Mtr (T&B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
42	SP07	Machining of Sector Plate Assy to various drg., Area per no. morethan 4 Sq.Mtr, UPTO 4.5 Sq.Mtr (T&B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
43	SP08	Machining of Sector Plate Assy to various drg., Area per no. morethan 4.5 Sq.Mtr., UPTO 5 Sq.Mtr (T&B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
44	SP09	Machining of Sector Plate Assy to various drg., Area per no. morethan 5 Sq.Mtr., UPTO 5.5 Sq.Mtr (T&B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM
45	SP10	Machining of Sector Plate Assy to various drg., Area per no. morethan 5.5 Sq.Mtr (T&B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	SM

Note:- RS not covered in this tender

AM59,AM62,AM65,AM66,AM74,AM75,AM76,AM77,AM78,AM79,AM80,AM95,AM96,
AM97,AM98, FW03,RP01,RP02,RP03,RP04,RP07,RP08

SECTION-VIII

 An ISO Company	BHARAT HEAVY ELECTRICALS LIMITED (A Government of India Undertaking) பாரதமிகுமின் நிறுவனம் BOILER AUXILIARIES PLANT, Indira Gandhi Industrial Complex, RANIPET– 632 406 (Tamil Nadu)	Ph: 04172-284030, 284323, 241120 Email: bsmanian@bhel.in
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BHEL-BAP-OS-LDPP -ARC-2022-23

SECTION – VIII - List of Approved vendors for (A) Welding Consumable ,Paints, Penetrant Chemicals and (B) Conducting NDT, Galvanising and Heat Treatment

Ref	Description	Page No
1	List of approved welding Consumables Suppliers	01 to 27
2	List of approved Paint Suppliers	01 to 03
3	List of approved Suppliers for Penetrant Chemicals	01 to 05
4	List of approved NDT vendors	01 to 05
5	List of approved Galvanizing Vendor	01 to 01
6	List of approved Blasting vendor	01 of 01
7	List of approved Heat Treatment Vendor	01 to 04

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
DRMFL	WELDING FLUX-DRUM	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		11712	TAPADIA ENGINEERS & TRADERS P.LTD.	2, INDUSTRIAL ESTATE,BHANPURI, CHATTISGARH.RAIPUR	tet_tgirpr@rediffmail.com	0770 - 4090636
FINFL	WELDING FLUX-FIN	11712	TAPADIA ENGINEERS & TRADERS P.LTD.	2, INDUSTRIAL ESTATE,BHANPURI, CHATTISGARH.RAIPUR	tet_tgirpr@rediffmail.com	0770 - 4090636
		19371	NDT FLUXES.	SURAJ,35,VIVEKANANDA NAGAR,RAIPUR		
GVW01	WELDING ELECTRODES	11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		80019	ESAB INDIA LTD.	KIRTI NAGAR		
		80018	D & H INDIA LIMITED	182/75, INDUSTRIAL AREA PH- 1CHANDIGARH	dnhindiachd@yao.co.in	0172- 2653063
		80020	HONAVAR ELECTRODES PVT LTD	Industrial Complex, 9, LBS Marg, Kurla (West)Mumbai	honavarelectrodes@gmail.com	9820249301
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		80291	Bharat Heavy Electricals Limited ,T	TiruvaramburTrichy		
		80218	M/s Modi Arc Electrodes Co.	G.T. Road, Oil Mill Gate, Modinagar		
		80126	Ador Welding Limited	C-116, Naraina Industrial Area, Phase-1New Delhi	delhi@adorwelding.com	1141411049
		10936	AHURA WELDING ELECTRODE MANUFACTURE	SF 139 & 144/3 THIRUMALAYAMPALAYAMPALGHAT ROADPALGHAT ROADCOIMBATORE	sunarc@md2.vsnl.net.in	0422 - 822232
GVW02	WELDING WIRE	80291	Bharat Heavy Electricals Limited ,T	TiruvaramburTrichy		
GVW03	WELDING ELECTRODE OT	80291	Bharat Heavy Electricals Limited ,T	TiruvaramburTrichy		
GVW04	COBALT POWDER	80291	Bharat Heavy Electricals Limited ,T	TiruvaramburTrichy		
GVWFX	WELDING FLUX	10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gamail.com	
		10015	ANITA FLUXES ALLOY SPECIALITY	24, 3RD PHASEPEENYA INDUSTRIAL ESTATEBANGALOREBANGALORE		080/ 839 4411
MIGA1	GMAW WIRE ER80S-B3L	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
MIGA2	GTAW WIRE FOR T92	20563	BOHLER SCHWEISSTECHNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
MIGA4	ER80S-B2 BPGMAW WIRE	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
MIGN1	GMAWWIRE ERNiCRFe-7A	21991	SPECIAL METALS WELDING PRODUCTS	1401,BURRIS ROAD,NEWTON,NORTH COROLINA 28658	rphillips@smwpc.com	828-465-0352
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
MIGS1	GMW WIRE ER308H	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
MIGS2	GMAW WIRE ER309LSi	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
MIGS3	GMAW WIRE ER309L	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
MIGW1	ER 70S-A1 GMAW WIRE	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
MIGW2	ER 80S-B2 GMAW WIRE	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
MIGW3	ER 90S-B3 GMAW WIRE	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		21461	INDUSTRIA NAZIONALE ELETTRODI S.p.A	Via.FACCA 10,CITTADELLA, 35013ITALY.		
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
MIGW4	WELDG.WIRE-MIG ER347	22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		11784	VENUS WIRE INDUSTRIES PVT LTD	19, RAGHUVANSHI MILL COMPOUNDS.B.MARG, LOWER PARELMUMBAI	sales@venuswires.com	022 - 4978840
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
MIGW5	WELDG.WIRE-MIG ERNiC	22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
MIGW6	WELDG.WIRE-MIG ER90S	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		14428	SHAKUNT ENTERPRISES PRIVATE LIMITED	G.T.ROADSANWALKA BHAWANMILLER GANJLUDHIANA	shakunt@satyam.net.in	161 2538323
		18705	MODI HITECH INDIA LTD.,	1400,MODI TOWER98,NEHRU PLACE,NEW DELHI	gmmelectrode@gmail.com	011 4250 4577
		16661	KLINWELD WIRES PVT. LTD.,	207,TIMMY ARCADE,MAKWANA NAKA, ANDHERI (EAST)MUMBAI	wires@vsnl.net	022 28504848
		17841	PRASHANTH CYLINDERS PVT. LTD.,	35-B,VEERASANDRA INDL. ESTATE,19th K.M.HOSUR ROAD,ELECTRONIC CITY POST,BANGALORE		
		17842	PRECISION DRAWEL PVT., LTD.,	KHASARA NO.221&222/2,VILLAGE TEKADI,TAH. PARSEONI,NAGPUR		
		16548	WELD EXCEL INDIA LTD.,	D-230,PHASE VII,FOCAL POINT,LUDHIANA		
		11288	JAGSHAAN INDUSTRIES	94 FRIENDS COLONYKATOL ROADNAGPUR	jagshaan@nagpur.dot.net.in	0712 - 581557
		10758	ALPHA ARC INDUSTRIES,	B-5,SECTOR A5/6 TRONICA CITYLONIGHAZIABAD, UP	alphaarc@yahoo.com	0 99114 41441
		16662	NATIONAL ENGINEERING ENTERPRISES,	C-9,1st PHASE,INDUSTRIAL AREA,ADITYAPUR,JAMSHEDPUR	nationaljsr@redifmail.com	0657 6539875
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		13763	CLASSIC ELECTRODES (INDIA) LTD.,	1, BONFIELD LANE2 ND FLOORKOLKATA	classicelectrodes@yahoo.co.in	033 22429581

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
MIGW7	GMAW WIRE ER70S-6	13743	UNIQUE WELDING PRODUCTS PVT.LTD.,	PLOT NO.1205,G.I.D.C. PHASE-IVVITTHAL UDYOGNAGAR,ANAND-388121GUJARAT	ump_vvn@rediffmail.com	02692-236 092...
		11528	RAAJRATNA ELECTRODES LTD	11, SONAROOPA, OPP.LALBANGLOWC.G.ROAD, NAVARANGPURA AHMEDABAD	mktg@gnahd-rel.global.net.in	079 - 6445258
		14575	WELD ALLOY PRODUCTS,	C - 33, SECTOR - IV, NOIDANOIDA DIST.GAUTAM BUDH NAGAR (UP)	wap2005@airtelmail.in	0120-2557183
		17644	VARUN ELECTRODES PVT. LTD.,	H-56,INDUSTRIAL AREA,PANIPAT	kapoor@varunelectrodes.com	0180 2653085
		10737	SRI DHARAANI STEEL,	1060/463,SIVAKASI- VIRUDHUNAGARROAD,THIRUTHANGAL- 626130VIRUDHUNAGAR DIST.	wire@sridharaanisteel.com	98943-88857
		16575	STANDARD WIRE PRODUCTS	219, SIDCO INDUSTRIAL ESTATE,AMBATTUR,CHENNAI		044 26254946
		17813	K.M.CROWN WELDING CONSUMABLES PVT.,	BLOCK NO.16A,16B & 17A,INDUSTRIAL AREA NO.1,A.B.ROAD,DEWAS	kmcrownwelding@dataone.com	07272 259384578
		13911	ROYAL ARC ELECTRODES PVT. LTD	ROYAL HOUSE, PLOT NO.26,VILLAGE VALIV,VASAI (EAST)THANE	royalarc@vsnl.com	0250 2480520
		13693	RASI ELECTRODES LTD.,	21, RAJA ANNAMALAI ROAD,FLAT NO A / 14, THIRD FLOOR,CHENNAI	rele@airtellmail.in	044 26424523
		17814	CALCUTTA ELECTRODES PVT. LTD.,	SARDAR PATEL TIMBER MARKET,BHANPURI,RAIPUR	calcutta_electrodes2006@yahoo.com	0771 4090615
		13986	B&H ELECTRODES PVT. LTD,	VILLAGE SAIDPURA, BARWALA ROAD,DERABASSI,MOHALI		
		15085	VOLTARC ELECTRODES (P) LTD,	10-77, FIRST MAIN,ROYAL NAGAR,H.O.SURYAJYOTHI,R.C.ROAD, P.B.NO.33,TIRUPATHI	voltarc@rediffmail.com	0877 2241462
		14455	WIRE AND WIRE PRODUCTS	SIDCO INDUSTRIAL ESTATEAMBATTURCHENNAI	wwp@vsnl.net	044 26242378
		15810	NOUVEAUX INDUSTRIES (P) LTD.,	NO.2,SOWDAMBIGA NAGARTIRUPUR ROAD.KANGAYAM		
		14340	NALLI ARC INDUSTRIE,	SF NO. 340,NALLIPALAYAM,PADIYUR POST,KANGAYAM TALUKERODE Dt.	nalliar@yaho.com	04257 245185
		13906	MARUTI WELD LIMITED,	I-1, KIRTI NAGARNEW DELHI	marutiweld@marutiweld.com	25913411
		15101	PRECISION WELDARC LTD,	49,B.T. ROAD, PANIHATI24,PARGANAS (NORTH)KOLKATA.	pwires@yahoo.co.in	033 25634753
		15100	MANTEK WIRES	24,SIDCO INDUSTRIAL ESTATE,P.VADUGAPALAYAM,PALLADAMCOIMBAT ORE		

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		16166	EVERSHINE WIRES	178/2-A3, THURAIYUR ROAD,PULIVALAM,MUSIRI TALUK,TRICHY	evershinewires@rediffmail.com	04327 235527
		13549	ATHARVE WELDING TECHNOLOGIES (INDIA	PVT.LTD.,A 192,M.I.D.C.CHINCHOLI,SOLAPUR	atharv.wt@hotmail.com	0217-273 7029
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		14791	ANAND ARC LTD.,	NO.22(OLD.31),RAILWAY COLONY,III STREET,AMINJIKARAI,CHENNAI		044 23746379
		10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gamil.com	
		13487	MAGNARC ELECTRODES PVT.LTD.,	PENDUTHIVISAGAPATNAM	magnarc@hotmail.com	0891-276 4381...
		13211	D&H INDIA LIMITED	PLOT 'A', SECTOR 'A'INDUSTRIAL AREA,SANWER ROADINDORE	dhindia@sancharnet.in	0731-4273501-...
		14458	M W WIRETECK PVT. LTD.	GF-9, GURU ARJUN DEV BHAWAN,RANJIT NAGAR COM. CMPLX,NEW DELHI.	wire@wireteck.in	011 4540 7712
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATETHANE		
MIGW8	GMAW WIRE ER80S-G	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
MIGW9	GMAW WIRE ER90S-G	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
MIGWA	GMWA WIRE FOR T23.	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
P91FL	WELDING FLUX-P91	22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
P92FL	SAWFLUX FOR SA335P92	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
SAWA1	SAWWIRE FOR SA335P92	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
SSOFL	WELD:SS-OVERLAY FLUX	10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gmail.com	
		10015	ANITA FLUXES ALLOY SPECIALITY	24, 3RD PHASEPEENYA INDUSTRIAL ESTATEBANGALOREBANGALORE		080/ 839 4411
		13833	SUN FLUX,	PUTHUKUDI ROAD,RAYAMUNDANPATTITANJORE		
		15082	ROYAL WELDING WIRES PVT. LTD.,	7,KARANAI PUDUCHERRY VILLAGE,VIA.URAPAKKAM,KANCHIPURAM DIST,	royal@royalwires.co.in	044-3741 1610
		12184	LAKSHMI CHEMICAL INDUSTRIES	D-52, DEVELOPED PLOT ESTATETHUVAKUDITIRUCHIRAPALLI	lakshmi.chem@yahoo.com	9842550538
		13534	RUPA INDUSTRIES,	2-2-105 to 180/10,GANESH CHAMBERSRANIGUNJ,SECUNDERABAD	rupaent@vsnl.net	040-2771 3714
		13484	OSCAR AUTO FLUX,	3/216,INAMKULATHUR ROAD,AMMAPETTAI,POOLANGULATHUPATTY(PO), TRICHY	oscarautoflux@gmail.com	0431-2914567
		13691	MANTEK WELDAIDFLUX CO.	32, FIRST STREETGANDHI NAGARTHIRUVERUMBURTIRUCHIRAPPALLI	mantek@eth.net	2501540
		14593	R.M.H.CHEMICAL INDUSTRIES	C-12-A,DEVELOPED PLOTS ESTATE,THUVAKUDY,TIRUCHIRAPALLY	rmhfbbricators@vsnl.net	2500498

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
STRFL	SAW FLUX STRUCT.WELD	14309	S.CHEMS & ALLIED PRODUCERS PVT LIMI	PLOT NO.197,JANKIDEVI SCHOOL ROAD,MHADA BUNGALOW CSHEME,Nr. VARSOVA TEL. EXCHANGE,ANDHERI (W)MUMBAI	s chems@yahoo.co.in	022 26368557
		11701	SUPER WELD PRODUCTS	91/1 THINNANUR ROADPULIVALAM,MUSIRI TKTIRUCHIRAPALLI		0431 - 765626
		19114	WELMET TECHNOLOGIES PVT. LTD.,	34,P.N.MAIDU INDUSTRIAL ESTATE,M.I.D.C. HINGNA,NAGPUR		
		10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gamil.com	
		15099	THERMIT ALLOYS (P) LTD,	PLOT NO.7, INDUSTRIAL ESTATE,B.H.ROAD,SHIMOGA	thermit@vsnl.net	08182 250431
		17381	NOUVEOFLUX CHEMICAL COMPANY	1 /B 83 & 85, TIRUPUR ROADKANGAYAM		
		13211	D&H INDIA LIMITED	PLOT 'A', SECTOR 'A'INDUSTRIAL AREA,SANWER ROADINDORE	dhindia@sancharnet.in	0731-4273501-...
		11712	TAPADIA ENGINEERS & TRADERS P.LTD.	2, INDUSTRIAL ESTATE,BHANPURI, CHATTISGARH.RAIPUR	tet_tgirpr@rediffmail.com	0770 - 4090636
		13486	A V WELDTECH PVT.LTD.,	NO.206/12,CIVIL LINES,NEAR G.P.O. SQUARENAGPUR.	products@aveasyweld.com	0712-252 1727
		11288	JAGSHAAN INDUSTRIES	94 FRIENDS COLONYKATOL ROADNAGPUR	jagshaan@nagpur.dot.net.in	0712 - 581557
		15084	DWEKAM ELECTRODES LTD,	TALAWALI CHANDA,A.B.ROAD, P.O.MANGILAINDORE (MP)	vk.khandelwal@dwkam.org	0731 422 9500...
		15085	VOLTARC ELECTRODES (P) LTD,	10-77, FIRST MAIN,ROYAL NAGAR,H.O.SURYAJYOTHI,R.C.ROAD, P.B.NO.33,TIRUPATHI	voltarc@rediffmail.com	0877 2241462
		19695	SUBMER FLUX TECHNOLOGIES,	178/2A1,THURAIYUR ROAD,PULIVALAM,TRICHY		
		10466	SUN AUTO WELD INDUSTRIES,	SF NO.137/2,GANAPATHY NAGAR,ARIYAMANGALAM,TRICHY		
		19735	RENUKA FLUXES COMPANY,	3-227 - A, SEMMANKUDAL (PO),OMALUR TALUK,SALEM		04290 313331
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		14791	ANAND ARC LTD.,	NO.22(OLD.31),RAILWAY COLONY,III STREET,AMINJIKARAI,CHENNAI		044 23746379
		15101	PRECISION WELDARC LTD,	49,B.T. ROAD, PANIHATI24,PARGANAS (NORTH)KOLKATA.	pwires@yahoo.co.in	033 25634753

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		11528	RAAJRATNA ELECTRODES LTD	11, SONAROOPA, OPP.LALBANGLOWC.G.ROAD, NAVARANGPURA AHMEDABAD	mktg@gnaht-rel.global.net.in	079 - 6445258
TIGA1	GTAW ROD - T92 / P92	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
TIGA2	GTAW ROD ER80S-B3L	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
TIGS1	GTAW ROD ER316H	20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
TIGS2	GTAW ROD ER309L	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
TIGS3	GTAW ROD ER308H	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
TIGW1	ER 70S-A1 GTAW ROD	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		15083	MARUTHI ELECTRODES (P) LTD.,	138,5TH FLOOR,MARUTHI TOWERAIRPORT ROAD,KODIHALU,BANGALORE	meplelec@bgl.vsnl.net.in	080 25275848
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		22456	I.A.BARNES & CO. LTD,	UNIT E,GUNNELS WOOD PARK,GUNNELS WOOD ROAD,STEVENAGE, HERTFORDSHIRE, SG1 2BH,		
TIGW2	ER 80S-B2 GTAW ROD	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		21461	INDUSTRIA NAZIONALE ELETTRODI S.p.A	Via.FACCA 10,CITTADELLA, 35013ITALY.		
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
TIGW3	ER 90S-B3 GTAW ROD	21461	INDUSTRIA NAZIONALE ELETTRODI S.p.A	Via.FACCA 10,CITTADELLA, 35013ITALY.		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
TIGW4	WELDG.WIRE-TIG ER347	20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
TIGW5	WELDG.WIRE-TIG ERNiC	20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		15083	MARUTHI ELECTRODES (P) LTD.,	138,5TH FLOOR,MARUTHI TOWERAIRPORT ROAD,KODIHALU,BANGALORE	meplelec@bgl.vsnl.net.in	080 25275848
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
TIGW7	WELDG.WIRE - TIG ER9	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN L'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
TIGW9	ER80S - D2 GTAW ROD	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
TIGWA	GTAW ROD T23 / P23	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
TIGWR	GTAW ROD SUPER304H	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
TIGWB	GTAW ROD SUPERSONIC	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
TIGWD	GTAW ROD	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21991	SPECIAL METALS WELDING PRODUCTS	1401,BURRIS ROAD,NEWTON,NORTH COROLINA 28658	rphillips@smwpc.com	828-465-0352
WCA08	WELDG.ELECTRODES:SMA	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		15090	RAJ KESARI ELECTRODES,	35,RAVINDRA NAGAR,(PRATAP NAGAR)UDAIPUR	rajkesari@yahoo.com	0294 2490193
WCA10	WELDG.ELECTRODES:SMA	14040	MANTEK ELECTRODS PRIVATE LTD,	D-74A, DEVELOPED PLOT ESTATE,THUVAKUDITRICHY		2501540
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATETHANE		
		18705	MODI HITECH INDIA LTD.,	1400,MODI TOWER98,NEHRU PLACE,NEW DELHI	gmmelectrode@gmail.com	011 4250 4577
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
WCA12	WELDG.ELECTRODES:SMA	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATETHANE		
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
WCA23	SMAW ELECTRODE E9015	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCA24	SMAW ELECTRD T23/P23	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
WCA25	SMAW ELECD - T92/P92	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCA26	SMAW ELEC E8018-B3L	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
WCA27	SMAW ELEC E7018-B2L	11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		15080	SUNCRAFT ELECTRODES	BYE PASS ROAD,MUSIRI		04326 60525
		15085	VOLTARC ELECTRODES (P) LTD,	10-77, FIRST MAIN,ROYAL NAGAR,H.O.SURYAJYOTHI,R.C.ROAD, P.B.NO.33,TIRUPATHI	voltarc@rediffmail.com	0877 2241462
		18433	NUCOR WELD(INDIA)PVT.LTD.,	NO.223,KONAPPANA AGRAHARA,ELECTRONIC CITY POST,BANGALORE	nucorweldinida@yahoo.com	080-2852 2057
		15083	MARUTHI ELECTRODES (P) LTD.,	138,5TH FLOOR,MARUTHI TOWERAIRPORT ROAD,KODIHALU,BANGALORE	meplelec@bgl.vsnl.net.in	080 25275848

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		11881	FUSION ENGG. PRODUCTS LTD.,	B-16,Vith PHASE, POST.GAMARIA(JAMSHEDPUR)SERAIKELA- KHARSAWAN,GAMARIA	info@fusionweld.co.in	0657-6542444
		13538	WELDCOM ELECTRODES PVT.LTD.,	T-357,ASHIRWAD PALACENR.BHATAR CHAR RASTA,JIVKOR NAGAR,SURAT		0261-305 4555
		13693	RASI ELECTRODES LTD.,	21, RAJA ANNAMALAI ROAD,FLAT NO A / 14, THIRD FLOOR,CHENNAI	rele@airtellmail.in	044 26424523
		15102	SOLARC WELD RODS,	OLD NO.12,NEW NO.14,65th STREET12th AVENUE,ASHOK NAGAR,CHENNAI	soarcweldrods@gmail.com	044-24891173
		15081	ANNAI SIVAKAMI AMMAL INDUSTRIES,	5/1C,M.M.K.COMPLEX,(OPP. TO S.I.T.)ARIYAMANGALAM.TIRUCHIRAPALLY		0431 2441696
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		13663	ORION WIRE MANUFACTURING CO.,	POST BOX NO.7,PLOT NO.56A & 44A,GIDC ESTATE,NARNADA NAGAR,BHARUCH	info@sunarcindia.com	02462-246419
		17820	SETH ELECTRODES PVT. LTD.,	SHRIMANT BHAWAN,KHURAI	sepl@sethindia.com	07581 240704
		11380	MALU ELECTRODES PVT.LIMITED	111, RAMAKRISHNA APPARTMENT,CHHAPRU NAGAR SQUARE,CENTRAL AVENUE NAGAR,NAGPUR	meploffice@rediffmail.com	0712 - 2734895
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
		17661	ALPHA WELDING & ALLIED	#B-10,VEERASANDRA INDUSTRIALESTATE, HOSUR ROAD,BANGALORE		
		17664	ELMARC ELECTRODES PVT. LTD.,	118,SISIDCO INDUSTRIAL ESTATE,AMBATTUR,CHENNAI		
		17813	K.M.CROWN WELDING CONSUMABLES PVT.,	BLOCK NO.16A,16B & 17A,INDUSTRIAL AREA NO.1,A.B.ROAD,DEWAS	kmcrownwelding@dataone.com	07272 259384578
		17812	VICTOR ELECTRODES LIMITED ,	T-1/ 113-114,MANGOLPURI INDUSTRIAL AREA,PHASE - I,NEW DELHI	victor@del2.vsnl.net.in	011 43860025
		17802	SRI VARSHA ELECTRODES,	SHED NO. 55,PHASE V,SIDCO INDUSTRIAL ESTATE,KAKKALUR,THIRUVALLUR DIST.CHENNAI		0 98402 60618
		17643	SUNDEEP ELECTRODES PVT. LTD.,	BULANDSHAHR ROAD,HAPUR		
		17801	JAIN WELDING ELECTRODES PVT. LTD,	G-1-318(C).INDRAPRASTHA INDUSTRIAL AREA,ROAD NO.6,RAJASTHAN,KOTA	info@jainelectrodes.com	0744 2490177
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
WCC01	WELDG.ELECTRODES:SMA	13729	ORANGE ELECTRODES INDUSTRIES,	PLOT NO.9,SHIV SHAKTI LAGHU UDYOGSANKUL,OPP.NEEL ENGG.CO.MUMBAI-NASIK HIGHWAY,ASANGAON	orangeelectrodes@gmail.com	02527-271 995
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATE,THANE		
		15087	V.N.C.ELECTRODEES,	3, INDUSTRIAL ESTATE,S.VELLALAPATTIKARUR	kru_vnc@sancharnet.in	04324 242774
		19906	BAGHERWAL ELECTRODES PVT.LTD.,	20-23,VAIBHAV CHAMBER,7/1,USHAGANJ CHHAWANI,INDORE	bagherwal13@yahoo.com	0731-2905067
		13986	B&H ELECTRODES PVT. LTD,	VILLAGE SAIDPURA, BARWALA ROAD,DERABASSI,MOHALI		
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOOR,NEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		19875	ABIRAMI ELECTRODES,	SF NO.107-A,SARAVANAMPATTI ROAD,VELLAIKINARU,COIMBATORE	sun_weld@yahoo.com	0422 3232724
		14457	BALAJI ELECTRODES	4A / 1A, N.G. NARAYANASAMY STREET,NEW SIDHAPUDUR (PO),COIMBATORE.	sonyaarc6013@gmail.com	0422 438 7817
		19751	FINE WELD ELECTRODESS INDIA (P)LTD.	2/630,PERUMAL KOIL THOTTAM,VENKATAPURAM (PO),COIMBATORE	fineweldcbe@yahoo.com	0422-6581990/...
		19745	MEGA WELD TECHNOLOGIES,	3/219,AVINASHI ROAD,NEELAMBUR (PO),COIMBATORE	megaweldcbe@yahoo.com	0422-658 1989
		14449	IDEAL ELECTRODES	7 - A, SITRA ROAD,KALAPPATTI,COIMBATORE.	idealelectrode@gmail.com	0422 262 7710
		14447	UPARC ELECTRODES COMPANY.	BEHIND NAV BHARAT INTER COLLEGE,KHASRA No.1, INDIRA PURAM COLONY,PARTAPUR,MEERUT.		0121 244 0203
		10667	EUREKA SYSTEMS AND ELECTRODES P.LTD	11/15A,SELVARAJAPURAM,CHINTHAMANIPUDUR, COIMBATORE	info@eurekaelectrodes@gmail.com	0422-268 7199...
		12893	RUHKMANI ELECTRODES PVT.LTD.,	31,THAKURPUKUR (N.W) ROAD,P.O.BADU,DIST:24 PARGANAS(N)KOLKATA	rukhmanielectrodes@rediffmail.com	033-2526 2039
		14448	BRIGHT WELD TECHNOLOGIES	9 / 9, SAKTHI NAGAR,UPPILIPALAYAM POST,COIMBATORE.	brigtweld13@gmail.com	0422 257 4756
		10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gamil.com	
		15086	SRI RENGIA ELECTRODES (P) LTD,	137/3, GANAPATHY NAGAR,ARIYAMANGALAMTRICHY		0431-25501173

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		13911	ROYAL ARC ELECTRODES PVT. LTD	ROYAL HOUSE, PLOT NO.26,VILLAGE VALIV,VASAI (EAST)THANE	royalarc@vsnl.com	0250 2480520
		11528	RAAJRATNA ELECTRODES LTD	11, SONAROOPA, OPP.LALBANGLOWC.G.ROAD, NAVARANGPURA AHMEDABAD	mktg@gnahd-rel.global.net.in	079 - 6445258
		17644	VARUN ELECTRODES PVT. LTD.,	H-56,INDUSTRIAL AREA,PANIPAT	kapoor@varunelectrodes.com	0180 2653085
		17814	CALCUTTA ELECTRODES PVT. LTD.,	SARDAR PATEL TIMBER MARKET,BHANPURI,RAIPUR	calcutta_electrodes2006@yahoo.com	0771 4090615
		19111	SPECTRA SUPER ALLOYS LTD,	324 / 325, 3RD FLOOR,ASHIANA TRADE CENTER,ADITYAPUR,JAMSHEDPUR	ss_alloys@yahoo.co.in	0657 6577148
		18846	COSMOS ELECTRODES PVT., LTD,	9/2,KIBE COMPOUND,CHHOTI GEALTOLI CHOURAHA,INDORE		0731 2707946
		18705	MODI HITECH INDIA LTD.,	1400,MODI TOWER98,NEHRU PLACE,NEW DELHI	gmmelectrode@gmail.com	011 4250 4577
		10758	ALPHA ARC INDUSTRIES,	B-5,SECTOR A5/6 TRONICA CITYLONIGHAZIABAD, UP	alphaarc@yahoo.com	0 99114 41441
		18300	SUPERON SCHWEISSTECHNIK INDIA LTD.,	191-D,SECTOR-IV,PHASE-II,IMT MANESAR,GURGAON,HARYANA		011-24647199
		15089	WELDCRAFT PRIVATE LIMITED,	72, INDUSTRIAL SUBURB,2ND STAGE, TUMKUR ROAD,BANGALORE.	weldcraft@vsnl.net	080 3373351
		18597	SHIELDARC EQUIPMENTS PVT. LTD,	85,ELLIOT ROAD,KOLKATA		
		18540	KOLLIPARA ELECTRODES PVT.LTD.,	KRISHNA NAGAR,PENAMALURUKRISHNA DIST.(AP)		
		14575	WELD ALLOY PRODUCTS,	C - 33, SECTOR - IV, NOIDANOIDA DIST.GAUTAM BUDH NAGAR (UP)	wap2005@airtelmail.in	0120-2557183
		14429	ALPHA FLUX & ELETRODES,	178/2-A2,THURAIYUR ROAD,PULIVALAM, MUSIRI - T.K.TRICHY DISTRICT	t.vasanthan@sify.com	04327 294169
		13211	D&H INDIA LIMITED	PLOT 'A', SECTOR 'A'INDUSTRIAL AREA,SANWER ROADINDORE	dhindia@sancharnet.in	0731-4273501-...
		14040	MANTEK ELECTRODS PRIVATE LTD,	D-74A, DEVELOPED PLOT ESTATE,THUVAKUDITRICHY		2501540
		13906	MARUTI WELD LIMITED,	I-1, KIRTI NAGARNEW DELHI	marutiweld@marutiweld.com	25913411
		13763	CLASSIC ELECTRODES (INDIA) LTD.,	1, BONFIELD LANE2 ND FLOORKOLKATA	classicelectrodes@yahoo.co.in	033 22429581
		15088	NIVETHA ELECTRODES,	195,PUDUKKOTTAI ROAD,TAMILNADU TANNREY'S BUILDING,SEMPATTU,TIRUCHIRAPALLY		0431 2341377
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		13549	ATHARVE WELDING TECHNOLOGIES (INDIA	PVT.LTD.,A 192,M.I.D.C.CHINCHOLI,SOLAPUR	atharv.wt@hotmail.com	0217-273 7029

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		13487	MAGNARC ELECTRODES PVT.LTD.,	PENDUTHIVISAGAPATNAM	magnarc@hotmail.com	0891-276 4381...
		14523	JINDAL DUROWELD	BN / 19 & 20,KALUNGA INDL. ESTATE,ROURKELA.	jdplrkl@yahoo.co.in	0661 266 0621
		15082	ROYAL WELDING WIRES PVT. LTD.,	7,KARANAI PUDUCHERRY VILLAGE,VIA.URAPAKKAM,KANCHIPURAM DIST,	royal@royalwires.co.in	044-3741 1610
		15090	RAJ KESARI ELECTRODES,	35,RAVINDRA NAGAR,(PRATAP NAGAR)UDAIPUR	rajkesari@yahoo.com	0294 2490193
		14584	SUN ELECTRODE	SF No.119/3, RAYAMUNDANPATTI,PUDHUKUDI ROAD,TANJORE.	sunenterprises2011@gmail.com	0 88256 36464
		14534	AARYA ELECTRODES PVT.LTD.	JOHN'S MILL NO.3,JEONI MANDI,AGRA.	vibhor@aaryaelectrodes.com	0562 262 2121
		18433	NUCOR WELD(INDIA)PVT.LTD.,	NO.223,KONAPPANA AGRAHARA,ELECTRONIC CITY POST,BANGALORE	nucorweldinida@yahoo.com	080-2852 2057
		18846	COSMOS ELECTRODES PVT., LTD,	9/2,KIBE COMPOUND,CHHOTI GEALTOLI CHOURAHA,INDORE		0731 2707946
		13487	MAGNARC ELECTRODES PVT.LTD.,	PENDUTHIVISAGAPATNAM	magnarc@hotmail.com	0891-276 4381...
		11380	MALU ELECTRODES PVT.LIMITED	111, RAMAKRISHNA APPARTMENT,CHHAPRU NAGAR SQUARE,CENTRAL AVENUE NAGAR,NAGPUR	meploffice@rediffmail.com	0712 - 2734895
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
		15102	SOLARC WELD RODS,	OLD NO.12,NEW NO.14,65th STREET12th AVENUE,ASHOK NAGAR,CHENNAI	soarcweldrods@gmail.com	044-24891173
		15086	SRI RENGHA ELECTRODES (P) LTD,	137/3, GANAPATHY NAGAR,ARIYAMANGALAMTRICHY		0431-25501173
		18432	VIJEY ELECTRODES AND WIRES PVT.	83/1,THIRUNEERMALAI ROAD,NAGELKENI, CHROMPET,CHENNAI	vjelect@yahoo.co.in	044-2238 1098
		19305	MURLI ELECTRODE PVT. LTD,	EL. 30,M.I.D.C.INDUSTRIAL ESTATE,HINGNA ROAD,NAGPUR	sudhir_0408@rediffmail.com	0712 2769347
		18540	KOLLIPARA ELECTRODES PVT.LTD.,	KRISHNA NAGAR,PENAMALURUKRISHNA DIST.(AP)		
		18705	MODI HITECH INDIA LTD.,	1400,MODI TOWER98,NEHRU PLACE,NEW DELHI	gmmelectrode@gmail.com	011 4250 4577
		15085	VOLTARC ELECTRODES (P) LTD,	10-77, FIRST MAIN,ROYAL NAGAR,H.O.SURYAJYOTHI,R.C.ROAD, P.B.NO.33,TIRUPATHI	voltarc@rediffmail.com	0877 2241462

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
WCC05	WELDG.ELECTRODES:SMA	15091	MAGNA ENGINEERING	CHINNAVUTAPALLIGANNAVARAM MANDAL,VIJAYAWADA		08676 252181
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		17643	SUNDEEP ELECTRODES PVT. LTD.,	BULANDSHAHR ROAD,HAPUR		
		13763	CLASSIC ELECTRODES (INDIA) LTD.,	1, BONFIELD LANE2 ND FLOOR KOLKATA	classicelectrodes@yahoo.co.in	033 22429581
		16548	WELD EXCEL INDIA LTD.,	D-230,PHASE VII,FOCAL POINT,LUDHIANA		
		10758	ALPHA ARC INDUSTRIES,	B-5,SECTOR A5/6 TRONICA CITYLONIGHAZIABAD, UP	alphaarc@yahoo.com	0 99114 41441
		12893	RUKHMANI ELECTRODES PVT.LTD.,	31,THAKURPUKUR (N.W) ROAD,P.O.BADU,DIST:24 PARGANAS(N)KOLKATA	rukhmanielectrodes@rediffmail.com	033-2526 2039
		18300	SUPERON SCHWEISSTECHNIK INDIA LTD.,	191-D,SECTOR-IV,PHASE-II,IMT MANESAR,GURGAON,HARYANA		011-24647199
		10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gamil.com	
		14575	WELD ALLOY PRODUCTS,	C - 33, SECTOR - IV, NOIDA DIST.GAUTAM BUDH NAGAR (UP)	wap2005@airtelmail.in	0120-2557183
		15083	MARUTHI ELECTRODES (P) LTD.,	138,5TH FLOOR,MARUTHI TOWERAIRPORT ROAD,KODIHALU,BANGALORE	meplelec@bgl.vsnl.net.in	080 25275848
		15089	WELDCRAFT PRIVATE LIMITED,	72, INDUSTRIAL SUBURB,2ND STAGE, TUMKUR ROAD,BANGALORE.	weldcraft@vsnl.net	080 3373351
		13906	MARUTI WELD LIMITED,	I-1, KIRTI NAGAR NEW DELHI	marutiweld@marutiweld.com	25913411
		15082	ROYAL WELDING WIRES PVT. LTD.,	7,KARANAI PUDUCHERRY VILLAGE,VIA.URAPAKKAM,KANCHIPURAM DIST,	royal@royalwires.co.in	044-3741 1610
		13211	D&H INDIA LIMITED	PLOT 'A', SECTOR 'A'INDUSTRIAL AREA,SANWER ROADINDORE	dhindia@sancharnet.in	0731-4273501-...
		13911	ROYAL ARC ELECTRODES PVT. LTD	ROYAL HOUSE, PLOT NO.26,VILLAGE VALIV,VASAI (EAST) THANE	royalarc@vsnl.com	0250 2480520
		17813	K.M.CROWN WELDING CONSUMABLES PVT.,	BLOCK NO.16A,16B & 17A,INDUSTRIAL AREA NO.1,A.B.ROAD,DEWAS	kmcrownwelding@dataone.com	07272 259384578
		13388	THE INDIAN SEEL & WIRE PRODUCTS LTD	PO INDIRA NAGAR,JAMSHEDPUR - 831 008JHARKAND	upshar@tatasteel.com	0657- 6512744
		14791	ANAND ARC LTD.,	NO.22(OLD.31),RAILWAY COLONY,III STREET,AMINJIKARAI,CHENNAI		044 23746379
		10667	EUREKA SYSTEMS AND ELECTRODES P.LTD	11/15A,SELVARAJAPURAM,CHINTHAMANIPUDUR, COIMBATORE	info@eurekaelectrodes@gmail.com	0422-268 7199...

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LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		15087	V.N.C.ELECTRODEES,	3, INDUSTRIAL ESTATE,S.VELLALAPATTIKARUR	kru_vnc@sancharnet.in	04324 242774
		11881	FUSION ENGG. PRODUCTS LTD.,	B-16,Vith PHASE, POST.GAMARIA(JAMSHEDPUR)SERAIKELA-KHARSAWAN,GAMARIA	info@fusionweld.co.in	0657-6542444
		15084	DWEKAM ELECTRODES LTD,	TALAWALI CHANDA,A.B.ROAD, P.O.MANGILAINDORE (MP)	vk.khandelwal@dwekam.org	0731 422 9500...
		17814	CALCUTTA ELECTRODES PVT. LTD.,	SARDAR PATEL TIMBER MARKET,BHANPURI,RAIPUR	calcutta_electrodes2006@yahoo.com	0771 4090615
		17644	VARUN ELECTRODES PVT. LTD.,	H-56,INDUSTRIAL AREA,PANIPAT	kapoor@varunelectrodes.com	0180 2653085
		14040	MANTEK ELECTRODS PRIVATE LTD,	D-74A, DEVELOPED PLOT ESTATE,THUVAKUDITRICHY		2501540
		15833	THIRUMALA ELECTRODES CO.,	S1-17B,'S' TYPE,SIDCO INDUSTRIAL ESTATE,THUVAKUDI,TRICHY	tec_sevenarcs@yahoo.co.in	0431-6573566
		17451	WELDWELL ELECTRODES,	D-59 M.I.D.C.,HINGNA INDUSTRIAL AREA,NAGPUR	weldwellngp@gmail.com	07104 232211/...
		13693	RASI ELECTRODES LTD.,	21, RAJA ANNAMALAI ROAD,FLAT NO A / 14, THIRD FLOOR,CHENNAI	rele@airtellmail.in	044 26424523
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
		19111	SPECTRA SUPER ALLOYS LTD,	324 / 325, 3RD FLOOR,ASHIANA TRADE CENTER,ADITYAPUR,JAMSHEDPUR	ss_alloys@yahoo.co.in	0657 6577148
		15090	RAJ KESARI ELECTRODES,	35,RAVINDRA NAGAR,(PRATAP NAGAR)UDAIPUR	rajkesari@yahoo.com	0294 2490193
		11528	RAAJRATNA ELECTRODES LTD	11, SONAROOPA, OPP.LALBANGLOWC.G.ROAD, NAVARANGPURA AHMEDABAD	mktg@gnaht-rel.global.net.in	079 - 6445258
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		19906	BAGHERWAL ELECTRODES PVT.LTD.,	20-23,VAIBHAV CHAMBER,7/1,USHAGANJ CHHAWANI,INDORE	bagherwal13@yahoo.com	0731-2905067
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATETHANE		
		18432	VIJEY ELECTRODES AND WIRES PVT.	83/1,THIRUNEERMALAI ROAD,NAGELKENI, CHROMPET,CHENNAI	vjelect@yahoo.co.in	044-2238 1098
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
WCC06	WELDG.ELECTRODES:SMA	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		11227	HONAVAR ELECTRODES PVT. LTD.,	305-309,3RD FLOOR,DAMJI SHAMJI INDUSTRIAL COMPLEX ,9,L.B.S MARG, KURLA(WEST)MUMBAI	hel@vsnl.com	022-25020317
		13690	GEE LIMITED,	PLOT E-1, ROAD NO. 7,WAGLE INDUSTRIAL ESTATETHANE		
WCC09	Welding Consumable	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
WCF01	WELDG.WIRE:FLUX CORE	21065	HYUNDAI WELDING CO. LTD.,	15F, 137-37 GANGNAM KU,INSONG BUILDING,SAMSUNG DONG,SEOUL	alex@hdweld.co.kr	82-02 6230-6077
		20970	THE SHANGHAI LINCOLN ELECTRIC	LANE 5008,HU TAI ROAD,BOASHAN, SHANGAI-201907		86 21 560 26664
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		14676	ITW INDIA LIMITED: WELDING GROUP.	CORPORATE HOUSE,NO.1, SUN CHAMBERS,NEAR SOLA BRIDGE, S.G. HIGHWAY,AHMEDABAD.	fredric.prabhu@itwindia.com	079 3315 4009
WCF02	WELDG.WIRE:FLUX CORE	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCF03	WG:WIRE.FC.E309LMoTO	20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20033	KISWEL LTD.,	HEUNGKOOK B/D, 43-1,JUJA-DONGCHUNG-GU, C.P.O.BOX 8641SEOUL, KOREA.SEOUL,KOREA.	export@kiswel.com	82-2-2270-9400
WCF04	WELDG: WIRE: FLUX CO	91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		21065	HYUNDAI WELDING CO. LTD.,	15F, 137-37 GANGNAM KU,INSONG BUILDING,SAMSUNG DONG,SEOUL	alex@hdweld.co.kr	82-02 6230-6077

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1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
WCF05	WELDG: WIRE: FLUX CO	91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
WCF06	WELDG. WIRE: FLUX CO	91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
WCF09	E71T-1 MARATHON PACK	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
		20970	THE SHANGHAI LINCOLN ELECTRIC	LANE 5008,HU TAI ROAD,BOASHAN, SHANGAI-201907		86 21 560 26664
		14676	ITW INDIA LIMITED: WELDING GROUP.	CORPORATE HOUSE,NO.1, SUN CHAMBERS,NEAR SOLA BRIDGE, S.G. HIGHWAY,AHMEDABAD.	fredric.prabhu@itwindia.com	079 3315 4009
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		21065	HYUNDAI WELDING CO. LTD.,	15F, 137-37 GANGNAM KU,INSONG BUILDING,SAMSUNG DONG,SEOUL	alex@hdweld.co.kr	82-02 6230-6077
WCF11	ER70S - 6 BULK PACKS	20970	THE SHANGHAI LINCOLN ELECTRIC	LANE 5008,HU TAI ROAD,BOASHAN, SHANGAI-201907		86 21 560 26664
		14676	ITW INDIA LIMITED: WELDING GROUP.	CORPORATE HOUSE,NO.1, SUN CHAMBERS,NEAR SOLA BRIDGE, S.G. HIGHWAY,AHMEDABAD.	fredric.prabhu@itwindia.com	079 3315 4009

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LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
WCFA1	BULKPACK :E551T1-B2C	14676	ITW INDIA LIMITED: WELDING GROUP.	CORPORATE HOUSE,NO.1, SUN CHAMBERS,NEAR SOLA BRIDGE, S.G. HIGHWAY,AHMEDABAD.	fredric.prabhu@itwindia.com	079 3315 4009
		91270	VEEPEES INDIA,	C-52, 4TH AVENUE ROAD,GUINDY INDUSTRIAL ESTATE,GUINDY.CHENNAI	veepeesindia@gmail.com	044-43534354
WCH03	WELD:SMAW:HF-ECrA	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20018	KENNAMETAL STELLITE	L.P. 1201 Eisenhower Drive N.Goshen ,IN 46526 USAUSA	asiasales@stellitesales.com	44-0-1793 498...
WCH05	SMAW ELECTRO ECoCr-E	20073	WEARTECH INTL INC	13032, PARK STREETSANTA FE SPRINGS , CA 90670USAUSA		001-562 945 7847
WCL07	WELDG.ELECTRODES:SMA	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40
		21991	SPECIAL METALS WELDING PRODUCTS	1401,BURRIS ROAD,NEWTON,NORTH COROLINA 28658	rphillips@smwpc.com	828-465-0352
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCL08	SMAW ELECTRODE	21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESSY,SURREY KT169LL,		
		21991	SPECIAL METALS WELDING PRODUCTS	1401,BURRIS ROAD,NEWTON,NORTH COROLINA 28658	rphillips@smwpc.com	828-465-0352
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
WCS20	WELDG.ELECTRODES:SMA	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
WCS22	WELDG.ELECTRODES:SMA	10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343

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LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
WCS27	WELDG.ELECTRODES:SMA	10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
WCS28	WELDG.ELECTRODES:SMA	10036	BHARAT HEAVY ELECTRICALS LTD	WELDING CONSUMABLE MFG CENTRETIRUCHIRAPALLITIRUCHIRAPALLI		
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
WCS29	WELDG.ELECTRODES:SMA	10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		10036	BHARAT HEAVY ELECTRICALS LTD	WELDING CONSUMABLE MFG CENTRETIRUCHIRAPALLITIRUCHIRAPALLI		
WCS30	WELDG.ELECTRODES:SMA	11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		11420	MODI ARC ELECTRODES CO.	MODINAGARUTTAR PRADESHGHAZIABAD	modiarc@ndb.vsnl.net.in	01232 - 242427
WCS31	WELD:SMAW:SS E410-15	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		10036	BHARAT HEAVY ELECTRICALS LTD	WELDING CONSUMABLE MFG CENTRETIRUCHIRAPALLITIRUCHIRAPALLI		
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
WCS32	WELD:SMAW:SS E430-15	10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		10036	BHARAT HEAVY ELECTRICALS LTD	WELDING CONSUMABLE MFG CENTRETIRUCHIRAPALLITIRUCHIRAPALLI		
WCS38	SMAW ELECTRD 253MA	22515	BOHLER WELDING GROUP NORDIC SALES A	BOX 501, SE - 774 27 AVESTA,SWEDEN.	INFO@BWGNORDIC.COM	46022685750
		22516	AB SANDVIK PROCESS SYSTEM,	SE 811 81 SANDVIKENSWEDEEN.	donald.anderson@sandvik.com	4602626 5600
WCS39	SMAW ELEC E308H-16	10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
WCS40	SMAW ELEC E316H-16	10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
WCT01	WELD:HF-HAY.ALLY 25	20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA- CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		10313	ZIRCAST LTD	UNIT -2, NO.37,JIGANI INDUSTRIAL AREABANGALORE - 562 106BANGALORE	jsuresh@zircast.com	08110 /26238
WCT02	WELD:HF-HAY.ALLY 21	20073	WEARTECH INTL INC	13032, PARK STREETSANTA FE SPRINGS , CA 90670USAUSA		001-562 945 7847
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA- CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
WCT03	WELD:HF-RCO CRA	20018	KENNAMETAL STELLITE	L.P. 1201 Eisenhower Drive N.Goshen ,IN 46526 USAUSA	asiasales@stellitesales.com	44-0-1793 498...
		20073	WEARTECH INTL INC	13032, PARK STREETSANTA FE SPRINGS , CA 90670USAUSA		001-562 945 7847
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA- CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		10313	ZIRCAST LTD	UNIT -2, NO.37,JIGANI INDUSTRIAL AREABANGALORE - 562 106BANGALORE	jsuresh@zircast.com	08110 /26238
WCT04	WG:PWD:HF:TYP COCRA	20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		20073	WEARTECH INTL INC	13032, PARK STREETSANTA FE SPRINGS , CA 90670USAUSA		001-562 945 7847
		20018	KENNAMETAL STELLITE	L.P. 1201 Eisenhower Drive N.Goshen ,IN 46526 USAUSA	asiasales@stellitesales.com	44-0-1793 498...
		20067	UTP SCHWEISS MATERIAL GMBH & CO	ELSASSER STR 10D-79189, BAD KROZINGENGERMANY.		49(0) 07633 / 40

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		20130	ALCONIX CORPORATION	SANNO PARK TOWER,12TH FLOOR,2-11-1 NAGATA-CHO,CHIYODA-KU,TOKYO ,JAPAN	Inamori.khei@alconix.com	
		20321	HOGANAS BELGIUM SA	COLDSTREAM DIVISIONRUELLE GROS PIERRE 10B-7800 ATHRUELLE GROS PIERRE 10B-7800 ATH		
WCW01	EL-8 SAW WIRE	14791	ANAND ARC LTD.,	NO.22(OLD.31),RAILWAY COLONY,III STREET,AMINJIKARAI,CHENNAI		044 23746379
		15085	VOLTARC ELECTRODES (P) LTD,	10-77, FIRST MAIN,ROYAL NAGAR,H.O.SURYAJYOTHI,R.C.ROAD, P.B.NO.33,TIRUPATHI	voltarc@rediffmail.com	0877 2241462
		15084	DWEKAM ELECTRODES LTD,	TALAWALI CHANDA,A.B.ROAD, P.O.MANGILAINDORE (MP)	vk.khandelwal@dwekam.org	0731 422 9500...
		13693	RASI ELECTRODES LTD.,	21, RAJA ANNAMALAI ROAD,FLAT NO A / 14, THIRD FLOOR,CHENNAI	rele@airtelmail.in	044 26424523
		19905	T.M.INDUSTRIES,	PLOT NO.26-27,PHASE-I,SILTARA GROWTH CENTRE,SILTARA RAIPUR	tmtapadia@rediffmail.com	0771-2100524
		10774	D&H SECHERON ELECTRODES PVT LTD.	P.B.NO.344-46,INDL.ESTATE,KILAMAIDANINDORE	sales@dnhsecheron.net	0731-4229222
		19114	WELMET TECHNOLOGIES PVT. LTD.,	34,P.N.MAIDU INDUSTRIAL ESTATE,M.I.D.C. HINGNA,NAGPUR		
		11528	RAAJRATNA ELECTRODES LTD	11, SONAROOPA, OPP.LALBANGLOWC.G.ROAD, NAVARANGPURA AHMEDABAD	mktg@gnaht-rel.global.net.in	079 - 6445258
		13534	RUPA INDUSTRIES,	2-2-105 to 180/10,GANESH CHAMBERSRANIGUNJ,SECUNDERABAD	rupaent@vsnl.net	040-2771 3714
		13211	D&H INDIA LIMITED	PLOT 'A', SECTOR 'A'INDUSTRIAL AREA,SANWER ROADINDORE	dhindia@sancharnet.in	0731-4273501-...
		11378	MAILAM INDIA LIMITED	MAILAM MAIN ROAD,SEDARAPET,PONDICHERRY	mailam@mailanindia.com	0413-2677311
		17813	K.M.CROWN WELDING CONSUMABLES PVT.,	BLOCK NO.16A,16B & 17A,INDUSTRIAL AREA NO.1,A.B.ROAD,DEWAS	kmcrownwelding@dataone.com	07272 259384578
		16166	EVERSHINE WIRES	178/2-A3, THURAIYUR ROAD,PULIVALAM,MUSIRI TALUK,TRICHY	evershinewires@rediffmail.com	04327 235527
		10785	ADOR WELDING LIMITED	CORPORATE MARKETING OFFICE,P.B. NO. 2, CHINCHWAD,PUNE	acegasindia@gmail.com	
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		11288	JAGSHAAN INDUSTRIES	94 FRIENDS COLONYKATOL ROADNAGPUR	jagshaan@nagpur.dot.net.in	0712 - 581557

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
		15100	MANTEK WIRES	24,SIDCO INDUSTRIAL ESTATE,P.VADUGAPALAYAM,PALLADAMCOIMBAT ORE		
		14340	NALLI ARC INDUSTRIE,	SF NO. 340,NALLIPALAYAM,PADIYUR POST,KANGAYAM TALUKERODE Dt.	nalliar@yahoo.com	04257 245185
		15101	PRECISION WELDARC LTD,	49,B.T. ROAD, PANIHATI24,PARGANAS (NORTH)KOLKATA.	pwires@yahoo.co.in	033 25634753
		14455	WIRE AND WIRE PRODUCTS	SIDCO INDUSTRIAL ESTATEAMBATTURCHENNAI	wwp@vsnl.net	044 26242378
		15810	NOUVEAUX INDUSTRIES (P) LTD.,	N0.2,SOWDAMBIGA NAGARTIRUPUR ROAD.KANGAYAM		
WCW02	WELDING WIRE:SAW EB3	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
WCW04	WG:WIRE:SAW ER430	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20033	KISWEL LTD.,	HEUNGKOOK B/D, 43-1,JUJA-DONGCHUNG-GU, C.P.O.BOX 8641SEOUL, KOREA.SEOUL,KOREA.	export@kiswel.com	82-2-2270-9400
WCW05	WG:WIRE:SAW ER410	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20033	KISWEL LTD.,	HEUNGKOOK B/D, 43-1,JUJA-DONGCHUNG-GU, C.P.O.BOX 8641SEOUL, KOREA.SEOUL,KOREA.	export@kiswel.com	82-2-2270-9400
WCW06	WELDING WIRE:SAW EB2	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301

SECTION - VIII
LIST OF APPROVED VENDORS

1) WELDING CONSUMABLES SUPPLIERS LIST

Mat Group	Material Group Description	Vendor No	Vendor Name	Vendor Address	EMAIL	PHONE1
WCW08	WELDING WIRE:SAW EA4	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCW09	WELDING WIRE:SAW EM1	20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		15810	NOUVEAUX INDUSTRIES (P) LTD.,	NO.2,SOWDAMBIGA NAGARTIRUPUR ROAD.KANGAYAM		
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
WCW12	WELDING WIRE:SAW 3 B	20011	BOHLER SCHWEISSTECHNIK AUSTRIA	WERK DEUCHENDORF,A 8605, KAPPENBERG, POSTFACH - 9,AUSTRIA.AUSTRIA.		0043/3862301
		20563	BOHLER SCHWEISSTECHNNIK	UNIONSTRASSE-1,D-59067 HAMM,DEUTSCHLAND GmbH.,GERMANY		
		20047	KANEMATSU TRADING CORPORATION	6th FLOOR,AKEBONO NIHONBASHI BLDG,19 - 5,NIHONBASHIKOAMI-CHO,CHUO - KU, TOKYO, 103 - 0016.	nikko-bocki@kgt.kanematsu.co.jp	81 3 5283 3680
		10081	ESAB INDIA LTD	KARUMUTTU CENTRE, 6TH FLOORNEW NO.634(OLD NO.498)ANNA SALAI, NANDANAM,CHENNAI-35CHENNAI	jagdeesh.ds@esab.co.in	044-826 9343
		22391	AIR-LIQUIDE WELDING FRANCE,	13,RUE D'EPLUCHES-BP70024 SAINT-OUEN I'AUMONE,95315 CERGY PONTOISE CEDEX	jean-paul.shmitt@airliquide.com	1342 13480
		21411	METRODE PRODUCTS LIMITED,	HANWORTH LANE,CHERTESY,SURREY KT169LL,		

BHEL:BAP:Ranipet :: Outsourcing Department

Section-VIII - 2) List of approved vendors for procurement of Paints

SL-No.	Prod Description	SL-No	Supplier Name M/s.	Place
01	INTUMESCENT PAINT	01	AKZO NOBEL INDIA LIMITED	BENGALURU
	INTUMESCENT PAINT	02	CLEAN COATS PVT. LTD.	MUMBAI
	INTUMESCENT PAINT	03	NOBLE PAINTS PVT. LTD	MUMBAI
02	CHLORINATED RUBBER PAINTS	01	ASIAN PAINTS LTD	MUMBAI
	CHLORINATED RUBBER PAINTS	02	ASIAN PAINTS LTD	CHENNAI
	CHLORINATED RUBBER PAINTS	03	BERGER PAINTS INDIA LTD	KOLKATA
	CHLORINATED RUBBER PAINTS	04	BERGER PAINTS INDIA LIMITED	CHENNAI
	CHLORINATED RUBBER PAINTS	05	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	CHLORINATED RUBBER PAINTS	06	JENSON & NICHOLSON LTD.,	KOLKATA
	CHLORINATED RUBBER PAINTS	07	SHALIMAR PAINTS	KOLKATA
	CHLORINATED RUBBER PAINTS	08	SHALIMAR PAINTS	CHENNAI
03	HEAT RESISTANT EPOXY PAINTS	01	ASIAN PAINTS LTD	MUMBAI
	HEAT RESISTANT EPOXY PAINTS	02	ASIAN PAINTS LTD	CHENNAI
	HEAT RESISTANT EPOXY PAINTS	03	BERGER PAINTS INDIA LTD	KOLKATA
	HEAT RESISTANT EPOXY PAINTS	04	BERGER PAINTS INDIA LIMITED	CHENNAI
	HEAT RESISTANT EPOXY PAINTS	05	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	HEAT RESISTANT EPOXY PAINTS	06	JENSON & NICHOLSON LTD.,	KOLKATA
	HEAT RESISTANT EPOXY PAINTS	07	SHALIMAR PAINTS	KOLKATA
	HEAT RESISTANT EPOXY PAINTS	08	SHALIMAR PAINTS	CHENNAI
04	POLYURETHANE ACRYLIC PAINTS	01	ASIAN PAINTS LTD	MUMBAI
	POLYURETHANE ACRYLIC PAINTS	02	ASIAN PAINTS LTD	CHENNAI
	POLYURETHANE ACRYLIC PAINTS	03	BERGER PAINTS INDIA LTD	KOLKATA
	POLYURETHANE ACRYLIC PAINTS	04	BERGER PAINTS INDIA LIMITED	CHENNAI
	POLYURETHANE ACRYLIC PAINTS	05	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	POLYURETHANE ACRYLIC PAINTS	06	JENSON & NICHOLSON LTD.,	KOLKATA
	POLYURETHANE ACRYLIC PAINTS	07	SHALIMAR PAINTS	KOLKATA
	POLYURETHANE ACRYLIC PAINTS	08	SHALIMAR PAINTS	CHENNAI
05	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	01	ADDISION PAINTS	CHENNAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	02	ASIAN PAINTS LTD	MUMBAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	03	ASIAN PAINTS LTD	CHENNAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	04	BERGER PAINTS INDIA LTD	KOLKATA
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	05	BERGER PAINTS INDIA LIMITED	CHENNAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	06	BOMBAY PAINTS, CORRIDOR ROAD,	MUMBAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	07	JENSON & NICHOLSON LTD.,	KOLKATA

SL-No.	Prod Description	SL-No	Supplier Name M/s.	Place
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	08	NOBLE PAINT & VARNISH CO P LTD	CHENNAI
	REDOXIDE ZINC CHROME PRIMER PAINT IS:2074	09	PERIYAR CNSL WORKERS INDL.COOP	KUNDRAKUDI
06	RUST PREVENTIVE OIL	01	PLASTIPEEL CHEMICALS & PLASTIC	THANE
	RUST PREVENTIVE OIL	02	PROCESS AIDS	BENGALURU
	RUST PREVENTIVE OIL	03	SEMPER-SEAL CHEMICALS,	AGRA
	RUST PREVENTIVE OIL	04	THIN CHEMIE FORMULATIONS	CHENNAI
	RUST PREVENTIVE OIL	05	WESTERN (I) PAINT & COLOUR CO,	CHENNAI
07	SPECIAL PAINTS OF ALL TYPES	01	ASIAN PAINTS LTD	MUMBAI
	SPECIAL PAINTS OF ALL TYPES	02	ASIAN PAINTS LTD	CHENNAI
	SPECIAL PAINTS OF ALL TYPES	03	BERGER PAINTS INDIA LTD	KOLKATA
	SPECIAL PAINTS OF ALL TYPES	04	BERGER PAINTS INDIA LIMITED	CHENNAI
	SPECIAL PAINTS OF ALL TYPES	05	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	SPECIAL PAINTS OF ALL TYPES	06	FOSROC CHEMICALS (I) LTD	BENGALURU
	SPECIAL PAINTS OF ALL TYPES	07	FOSROC CHEMICALS (INDIA) LTD	CHENNAI
	SPECIAL PAINTS OF ALL TYPES	08	JENSON & NICHOLSON LTD.,	KOLKATA
	SPECIAL PAINTS OF ALL TYPES	09	SHALIMAR PAINTS	KOLKATA
	SPECIAL PAINTS OF ALL TYPES	010	SHALIMAR PAINTS	CHENNAI
08	EPOXY BASED & FINISH PAINTS &ITS THINER	01	ASIAN PAINTS LTD	CHENNAI
	EPOXY BASED & FINISH PAINTS &ITS THINER	02	BERGER PAINTS INDIA LIMITED	CHENNAI
	EPOXY BASED & FINISH PAINTS &ITS THINER	03	GRAUER&WEIL(INDIA) LIMITED,	CHENNAI
	EPOXY BASED & FINISH PAINTS &ITS THINER	04	SHALIMAR PAINTS	CHENNAI
	EPOXY BASED & FINISH PAINTS &ITS THINER	05	AKZO NOBEL INDIA LIMITED	BENGALURU
	EPOXY BASED & FINISH PAINTS &ITS THINER	06	GRAND POLYCOATS CO.PVT LTD	VADODARA
09	SPECIAL PRIMER PAINTS AND ITS THINER	01	ASIAN PAINTS LTD	CHENNAI
	SPECIAL PRIMER PAINTS AND ITS THINER	02	BERGER PAINTS INDIA LIMITED	CHENNAI
	SPECIAL PRIMER PAINTS AND ITS THINER	03	GRAUER&WEIL(INDIA) LIMITED,	CHENNAI
	SPECIAL PRIMER PAINTS AND ITS THINER	04	SHALIMAR PAINTS	CHENNAI
	SPECIAL PRIMER PAINTS AND ITS THINER	05	AKZO NOBEL INDIA LIMITED	BENGALURU
	SPECIAL PRIMER PAINTS AND ITS THINER	06	KANSAI NEROLAC PAINTS LIMITED	CHENNAI
	SPECIAL PRIMER PAINTS AND ITS THINER	07	GRAND POLYCOATS CO.PVT LTD	VADODARA
010	CONVENTIONAL PAINTS & THINNER	01	ASIAN PAINTS LTD	CHENNAI
	CONVENTIONAL PAINTS & THINNER	02	BERGER PAINTS INDIA LIMITED	CHENNAI
	CONVENTIONAL PAINTS & THINNER	03	GRAUER&WEIL(INDIA) LIMITED,	CHENNAI
	CONVENTIONAL PAINTS & THINNER	04	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	CONVENTIONAL PAINTS & THINNER	05	SHALIMAR PAINTS	CHENNAI
	CONVENTIONAL PAINTS & THINNER	06	WESTERN (I) PAINT & COLOUR CO,	CHENNAI

SL-No.	Prod Description	SL-No	Supplier Name M/s.	Place
	CONVENTIONAL PAINTS & THINNER	07	NOVAA PAINTS	TIRUCHIRAPPALLI
	CONVENTIONAL PAINTS & THINNER	08	SUNDARAM PAINTS (P) LTD	THANJAVUR
	CONVENTIONAL PAINTS & THINNER	09	KANSAI NEROLAC PAINTS LIMITED	CHENNAI
	CONVENTIONAL PAINTS & THINNER	010	SRI MEENAKSHI PAINT INDUSTRIES,	PUDUKKOTAI
	CONVENTIONAL PAINTS & THINNER	011	PASUM MEENA PAINT INDUSTRIES	SIVAGANGAI DIST
	CONVENTIONAL PAINTS & THINNER	012	JAI KAMAL PAINTS	CHENNAI
	CONVENTIONAL PAINTS & THINNER	013	CHEMECOAT PAINTS	TIRUCHIRAPPALLI
011	SEA WORTHY RUST PREVENTIVE OIL	01	SHALIMAR PAINTS	CHENNAI
	SEA WORTHY RUST PREVENTIVE OIL	02	SUNDARAM PAINTS (P) LTD	THANJAVUR
012	H.R.ALUMINIUM PAINT GRADE II TO IS:13183	01	ASIAN PAINTS LTD	CHENNAI
	H.R.ALUMINIUM PAINT GRADE II TO IS:13183	02	BERGER PAINTS INDIA LIMITED	CHENNAI
	H.R.ALUMINIUM PAINT GRADE II TO IS:13183	03	SHALIMAR PAINTS	CHENNAI
	H.R.ALUMINIUM PAINT GRADE II TO IS:13183	04	KANSAI NEROLAC PAINTS LIMITED	CHENNAI
	H.R.ALUMINIUM PAINT GRADE II TO IS:13183	05	STAR PAINT & OIL INDUSTRIES	MUMBAI
013	CONVENTIONAL PAINTS & THINNER	01	ASIAN PAINTS LTD	CHENNAI
	CONVENTIONAL PAINTS & THINNER	02	BERGER PAINTS INDIA LIMITED	CHENNAI
	CONVENTIONAL PAINTS & THINNER	03	GRAUER&WEIL(INDIA) LIMITED,	CHENNAI
	CONVENTIONAL PAINTS & THINNER	04	CARBOLINE INDIA PVT. LTD.,	CHENNAI
	CONVENTIONAL PAINTS & THINNER	05	SHALIMAR PAINTS	CHENNAI
	CONVENTIONAL PAINTS & THINNER	06	WESTERN (I) PAINT & COLOUR CO,	CHENNAI
	CONVENTIONAL PAINTS & THINNER	07	NOVAA PAINTS	TIRUCHIRAPPALLI
	CONVENTIONAL PAINTS & THINNER	08	SUNDARAM PAINTS (P) LTD	THANJAVUR
	CONVENTIONAL PAINTS & THINNER	09	KANSAI NEROLAC PAINTS LIMITED	CHENNAI
	CONVENTIONAL PAINTS & THINNER	010	SRI MEENAKSHI PAINT INDUSTRIES,	PUDUKKOTAI
	CONVENTIONAL PAINTS & THINNER	011	PASUM MEENA PAINT INDUSTRIES	SIVAGANGAI DIST
	CONVENTIONAL PAINTS & THINNER	012	JAI KAMAL PAINTS	CHENNAI
	CONVENTIONAL PAINTS & THINNER	013	CHEMECOAT PAINTS	TIRUCHIRAPPALLI
<p>LEGEND :</p> <p>Supplier Control :</p> <ol style="list-style-type: none"> 1. Inspection at Supplier's works by BHEL / QC / Inspection agency appointed by BHEL 2. Inspection at Supplier's works by Customer / Third party 3. Inspection as per approved Quality Plan 4. Qualification of Suppliers Operators & Process for execution of the job 5. Sample approval required 6. Periodical Process audit by BHEL 7. Inspection after receipt at BHEL 				



Section-VIII- 3) PENETRANT TESTING CHEMICALS AND
MAGNETIC TESTING CONSUMABLES

PENETRANT TESTING

PENETRANT TESTING CHEMICALS

**DYE (SOLVENT REMOVABLE, FLUORESCENT, WATER WASHABLE, POST
EMULSIFIER) , DEVELOPER, CLEANER**

Sl.No	Vendor address	Approved by
1.	P-MET HIGH-TECH COMPANY (P) LTD. 1-5/6,INDUSTRIAL ESTATE, GORWA, BARODA (GUJARAT) INDIA-390016 PHONE NO.: 0265-282326/281125 FAX : 0265-2793868 E-MAIL : P-MET@ICENET.NET	TRICHY HYDERABAD RANIPET HARIDWAR
2.	ORIENTAL CHEMICAL WORKS (P) LTD 23 SATTANA NAICKEN STERRET 1ST LOOR,SRIVISHAKANYA NILAYAM, ADJACENT STREET, NATRAJ THEATRE CHENNAI 600 112	TRICHY RANIPET
3.	ITW SIGNODE INDIA LTD 3RD FLOOR,MERCHANT TOWERS, 5,ROAD NO.4,BANJARA HILLS HYDERBAD 500 034 E MAIL : VARDA@TCH.ITWSIGNODE.CO.IN Ph.No: 044 -24723956	TRICHY HYDERABAD RANIPET
4.	ITW SIGNODE INDIA LTD PLOT NO 34-37, IDA , APIIC, PASHAMNYLARAM, PHASE-II, MEDAK INDIA -502307 PHONE NO.: 08455- 26089, 26055 , 26328 FAX : 08455-26336 EMAIL: dst@fps.itwsignode.co.in	TRICHY HYDERABAD RANIPET HARIDWAR
5.	ITW SIGNODE INDIA LTD. 10, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI , INDIA -110065 PHONE NO.: 01126424984, 01126424990	TRICHY HYDERABAD RANIPET HARIDWAR
6.	PRADEEP METAL TREATMENT CHEMICALS (P) LTD. PLOT NOS A-488/489, ROAD U, WAGLE INDUSTRIAL ESTATE, THANE ,INDIA -400604 PHONE NO.:022-5598 8781 / 82 , FAX : 022-2582 7460 E-MAIL : pradeepndt@mtnl.net.in	TRICHY HYDERABAD RANIPET HARIDWAR
7.	FERROCHEM, 1,GURUPRASAD KUNU 1122/6 ERANDAWAANA PUNE 411 004	TRICHY HYDERABAD RANIPET



Section-VIII- 3) PENETRANT TESTING CHEMICALS AND
MAGNETIC TESTING CONSUMABLES

8.	FERROCHEM NDT SYSTEMS PVT. LTD 6, PRAGATI INDUSTRIAL COMPLEX, 17/1-B, KOTHRUD, PUNE (MAHARASHTRA) INDIA -411004 PHONE NO.: (020)5465258/5432528/5437339 FAX : 5463038 E-MAIL : ferro@pn2.vsnl.net.in	TRICHY HYDERABAD RANIPET HARIDWAR
9.	ANDHRA SPARES COMPANY SHOP NO: 5-5-80/2, 1ST FLOOR, SRI SRINIVASA COMMERCIAL COMPLEX, RANIGUNJ, SECUNDERABAD- 500 003	HYDERABAD
10.	CHECKMATE CHEMICALS LTD. 13, MODERN INDUSTRIAL ESTATE, ROHTAK ROAD, BAHADUR GARH, HARYANA 124 507	TRICHY HYDERABAD RANIPET
11.	CHECKMATE CHEMICALS PVT. LTD. EC-11, 2ND FLOOR, INDER PURI, NEW DELHI , INDIA , 110012 PHONE NO.: 011-2585889/25835870 FAX : 011-25833160 E-MAIL : dlsharma@vsnl.com	TRICHY HYDERABAD RANIPET HARIDWAR
12.	NDT CHEMICAL PRODUCTS, 5-7-9/6, SANGEETH NAGAR, KUKATPALLY, HYDERABAD-500 072. EMAIL: ndtcp787_hyd@dataone.in WEB: WWW.NDTCPHYD.COM PHONE: 09246530958	HYDERABAD
13.	THE ORIENTAL CHEMICAL WORKS, KOLKATTA 1/1B, GOBINDA AUDDY ROAD, CHETLA, KOLKATA-700 027	HYDERABAD
14.	M /S KRISH MET TECH PVT LTD 10 /1ST FLOOR, ARUNACHALAM ROAD,(OPP.SURRYA HOSPITAL) SALIGRAM,CHENNAI 600 093 EMAIL KRISHMETTECH@ETH.NET PH 23761491, 23764450	TRICHY RANIPET



Section-VIII- 3) PENETRANT TESTING CHEMICALS AND
MAGNETIC TESTING CONSUMABLES

MAGNETIC TESTING CONSUMABLES
DRY POWDER

Sl.No	Vendor address	Approved by
1.	ITW SIGNODE INDIA LTD 3RD FLOOR,MERCHANT TOWERS, 5,ROAD NO.4,BANJARA HILLS HYDERBAD 500 034 E MAIL: varda@tch.itwsignode.co.in 044 -24723956	TRICHY HYDERABAD
2.	FERROCHEM NDT SYSTEMS PVT. LTD 6, PRAGATI INDUSTRIAL COMPLEX, 17/1-B, KOTHRUD, PUNE (MAHARASHTRA) INDIA-411004 PHONE NO.: (020)5465258/5432528/5437339 FAX : 5463038 E-MAIL : ferro@pn2.vsnl.net.in	TRICHY HYDERABAD
3.	EAST COAST ENTERPRISES 33,BRABOURNE ROAD, P.BNO. 2217 GPO CALCUTTA 700 001	TRICHY HYDERABAD
4.	ELECTRO MAGFIELD CONTROLS& SERVICES 561 G.M.T.H ROAD (NEAR TELEPHONE EXCHANGE) AMBATHUR CHENNAI 600 098 EMAIL: emcs@eth.net PH 625 4327,652 1041	TRICHY HYDERABAD
5.	EAST WEST ENGG. & ELECTRONICS CO 204,ACHARYA COMMERCIAL CENTRE DR. C . G. ROAD , CHEMBUR MUMBAI 400 074	TRICHY HYDERABAD
6.	KIRAN ENTERPRISES PLOT NO 175, PRAGATHINAGAR , OPP. JNTU KUKATPALLY,HYDRABAD 500 072	HYDERABAD
7.	PARADEEP NDT PRODUCTS REGIS. OFFICE: 32 WESTMINSTER , MANIKIKAR MARG, CHUNABHATTI, SION, MUMBAI-400 022 WORKS: SHED NO.3, CHANDRASAKHA ESTATE SURVEY NO.1 , AMBEGAON BUORUK TAL.HAVELI DIST. PUNE 411 046 PHONE NO. 020 -24210699	TRICHY HYDERABAD



Section-VIII- 3) PENETRANT TESTING CHEMICALS AND
MAGNETIC TESTING CONSUMABLES

8.	PRADEEP METAL TREATMENT CHEMICALS (P) LTD. PLOT NOS A-488/489, ROAD U, WAGLE INDUSTRIAL ESTATE, THANE ,INDIA-400604 PHONE NO.: 022-5598 8781 / 82, FAX : 022-2582 7460 E-MAIL : pradeepndt@mtnl.net.in	
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MPI CHEMICALS (WET)

Sl.No	Vendor address	Approved by
1.	CHECKMATE CHEMICALS PVT. LTD. EC-11, 2ND FLOOR, INDER PURI, NEW DELHI , INDIA -110012 PHONE NO.: 011-2585869/25835870 FAX : 011-25833100 E-MAIL : dbsharma@vsnl.com	TRICHY HYDERABAD BHOPAL HARIDWAR
2.	P-MET HIGH-TECH COMPANY (P) LTD. 1-5/6,INDUSTRIAL ESTATE, GORWA, BARODA (GUJARAT) INDIA -390016 PHONE NO.: 0265-282326/281125,FAX : 0265-2793868 E-MAIL : p-met@icenet.net	TRICHY HYDERABAD BHOPAL HARIDWAR
3.	K ELECTRONICS G11 ,RAJMAHAL, 55-E,M. VASANJI ROAD ANDHERI(EAST) MUMBAI 400 069 PHONE:020-25432528,25437339 FAX:020-25463038 E-MAIL: ferro@pn2.vsnl.net.in	TRICHY HYDERABAD BHOPAL
4.	PRADEEP METAL TREATMENT CHEMICALS (P) LTD. PLOT NOS A-488/489, ROAD U, WAGLE INDUSTRIAL ESTATE, THANE , INDIA, 400604 PHONE NO.: 022-5598 8781 / 82 , FAX : 022-2582 7460 E-MAIL : pradeepndt@mtnl.net.in	TRICHY HYDERABAD BHOPAL HARIDWAR
5.	PRADEEP NDT PRODUCTS PVT. LTD. 32, WESTMINISTER, MANKIKAR MARG, SION, MUMBAI - 400 022 PHONE:022-24073309, 24093116 pradeepndt@vsnl.net vardeji@bol.net.in	TRICHY HYDERABAD BHOPAL



Section-VIII- 3) PENETRANT TESTING CHEMICALS AND
MAGNETIC TESTING CONSUMABLES

6.	ITW SIGNODE INDIA LTD PLOT NO 34-37, IDA , APIIC, PASHAMNYLARAM, PHASE-II MEDAK, INDIA -502307 PHONE NO.: 08455- 26089, 26055 , 26328 ,FAX : 08455- 26336 EMAIL: dst@fps.itwsignode.co.in	TRICHY HYDERABAD BHOPAL HARIDWAR
7.	ITW SIGNODE INDIA LTD 3 RD FLOOR, MERCCHANT TOWERS, 5, ROAD NO 4, BANJARA HILLS,HYDERABAD-500034 PHONE:040-23353781 E-MAIL:itwindia@hdl.ven.net.in	TRICHY HYDERABAD BHOPAL
8.	ITW SIGNODE INDIA LTD. 10, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI, INDIA -110065 PHONE NO.: 01126424984, 01126424990	TRICHY HYDERABAD BHOPAL HARIDWAR
9.	FERROCHEM NDT SYSTEMS PVT. LTD 6, PRAGATI INDUSTRIAL COMPLEX, 17/1-B, KOTHRUD, PUNE (MAHARASHTRA) ,INDIA-411004 PHONE NO.: (020)5465258/5432528/5437339,FAX : 5463038 E-MAIL : ferro@pn2.vsnl.net.in	TRICHY HYDERABAD BHOPAL HARIDWAR

**BHARAT HEAVY ELECTRICALS LTD: TIRUCHIRAPPALLI 14
NON-DESTRUCTIVE TESTING / QUALITY**

BHE:NDT:SC:APPROVALS

04-01-2021

List of Approved NDT Agencies

Sl.No	Name of the Firm and Address	Approved Methods	Valid upto
1	M/s G.B. NDT Engg. Services, E-52,Industrial Estate,Thuvakudi, Tiruchy-620015 Phone:(0431)2501112,2500891 email:gbndt.xrayengg@yahoo.com	RT, UT, MT, PT	31-05-2022
2	M/s C Premier NDE Services, CP-17, Electrical and Electronics Industrial Estate, Thuvakudi, Tiruchy 620015 Phone (0431)2500878 , 9842455733 email:premierndt@yahoo.com, venu.raj_1954@yahoo.com	RT	31-05-2022
3	M/s Super Quality Services, 95,SQS Building, Near Police Station, Palakkarai Main Road, Trichy-620001Phone (0431)2415087,2414218, Fax-0431- 2464218 E-Mail:sqsndt@yahoo.co.in	RT, UT, MT, PT	31-05-2022
4	M/s Metal Care Engg. Services Plot 13,14, B-1 Kether Manor,3rd Cross, North Extension, Thillai nagar,Trichy 620018 Phone(0431) 2762190, 2481593 9942904651(Selvaraj) mces_try@yahoo.co.in	RT, MT	31-05-2022
5	M/s Scaanray Metallurgical Services, C-12, Industrial Estate,Mogappair (West) Chennai 600 037 Phone: 044-26250651, 23762613 Fax 26358741 e-mail: scaanray@vsnl.com	RT, UT, MT,PT	31-05-2022
6	M/s Industrial Radiographic Inspection Company SP-111, South Avenue, Ambattur Industrial Estate,Chennai 600 058 Phone: 044-26253235,26250790,26255602, Fax-044-26255838 e-mail : info@iricondt.com	RT,UT	31-05-2022
7	M/s Everest Industrial Radiographer, "GREEN LAND", 1/25, Arisipalayam, Coimbatore-641032 Phone:0422-2638148,2638348, Cell:9843011031 (A.Rathinam) email: everestndt@gmail.com	RT	31-05-2022
8	M/s KGB Inspection Services, P-16, Electrical & Electronics Industrial Estate, Thuvakudi, Tiruchirappalli 620015 Phone (0431)2500164, 9842453258(Kumaran) email:kgbist2002@yahoo.co.in	RT, UT, MT, PT	31-05-2022
9	M/s Supreme Excel NDT Services, II Floor, Vairam Memorial Complex 24-A/B, Jeeva Street, Subramaniapuram, Tiruchirappalli - 620020 Phone:(0431)2333528, 2501241 e-mail:ndtsrvcs2008@yahoo.co.in	RT, UT, MT, PT	31-05-2022
10	M/s.NDE Inspections, 50,Raja Colony, 4th Cross,Collector Office Road, Trichy-620001. Phone (0431)2416388 , 9345499916 e-mail:ndeinspections@gmail.com, www.rla-ndeinspections.com	RT,UT, MT,PT	31-05-2022
11	M/s Sri Vinayaga NDT Inspection Services, SF 303, Peria Thottam, Kadathur Road, Coimbatore- 641 107. Phone 0422-2653640, 9443027274(Shanmugam) email:svndt@yahoo.co.in	RT	31-05-2022

12	M/s.Sri Shanmuka NDT & Inspection Services, 701, Avoor Road, Mathur, Pudukottai Dist-622515. email:shanmukandt@gmail.com Mobile:9486675664	RT	19-08-2022
13	M/s Engineering Quality Inspection Services, 2 / 166 A, Mettukuppam Road, Vanagaram, Chennai- 600 095. Phone:044-24764770, Fax:044-24764773, E-mail: jstephenraj.eqis@gmail.com	RT,UT,MT	31-05-2022
14	M/s United Inspection and Engineering Services, New No 9, Old No 22, Parthasarathypuram, North Usman Road, T.Nagar, Chennai 600 017. Phone:044-42123180, Fax: 044-28142268, Cell:Leeladhar 9444062268, E-mail:uies@sify.com.	RT	01-11-2022
15	M/s Jai Inspection Agencies, Plot No 21, Natesan Nagar, Ayanampakkam, Chennai- 600 095, Phone: 044-26533028, Fax: 044-26531770 email: engineerndt@gmail.com, jai_inspection@yahoo.com	RT.MT,PT,UT	17-05-2021
16	M/s.Naveen NDT Services, Plot No:54, Mariammal Nagar, Near SIDCO, Industrial Estate, Mathur-622515 email:naveenndt@yahoo.co.in Phone:0431-2203637,Mobile:9940743989,9842954850	RT	26-11-2022
17	M/s.SaiSrushti Technical Services, C-113,Punit Industrial Premises Co.Op.Soc.Ltd., Plot No:D11/11A, Turbhe,Navi Mumbai-400705 email:saisrushti2009@gmail.com Phone:022-27681150/51 Mobile:9820191617.	RT	31-12-2020
18	M/s.A-Star Testing & Inspection Pvt.Ltd, No- 1A,Umapathy Street, West Mambalam, Chennai, India.Pin- 600 033. Tel:044 4851 4533, Cell:9840919166.Email:admin@astartesting.co.in	RT,UT,PT,MT	03-08-2021
19	M/s.SEA HUB Inspection Services, 1st Floor, Deepam Complex, Thiruverumbu,Trichy-620013	RT& UT,MT,PT	01-11-2022
20	M/s SAKTHI RADIOGRAPHIC INSPECTION COMPANY, No 1 / 1-14, Rajiv Gandhi Nagar, Walajapet 632 513 Phone 04172-230344, 245264 Cell:9443246128 email:srico.ndt@gmail.com	RT	31-05-2022
21	M/s HITEC NDT SYSTEMS S.F.No 350 / 2C, Near M/s Rosver Steels Ltd.) KATTAMPATTI Villaage, Ganesapuram P.O S.S.Kulam (Via) Coimbatore-614 107 Phone:0422-2653446 Mobile:9655558905(Ravikumar) hitecndt1@yahoo.com	RT	31-05-2022
22	M/s.GLOBAL ENGINEERING&NDT SERVICES HASIMPUR, PATULIGRAM P.O, HOOGLY DISTRICT, WEST BENGAL-712 501 Cell 09831609926(S.Das) ,9831626059(S.Sarkar) email:globalengndt@gmail.com	RT UT,MT,PT	17.02.2020
23	M/s PERFECT INSPECTION SERVICES, Regd.Office:265, Light Industrial Area,Bhilai, Dist: Durg,Pin-490026, Ph:0788-4033857/4039576/2221729,Fax: 0788 4062759 e- mail:pisbhilai@sify.com dkdutta7@yahoo.com- 09755985599	RT,UT,MT,PT	14-06-2021

24	M/s.ASCENT NDT Services, W-111 Women Industrial Estate sidco Valavanthan Kottai, Trichy-620015 Ph:0431-2731298 Mobile:09500912988-K.Ramaraj E-Mail: ascentndt@gmail.com	RT	31-12-2021
25	M/s Sri Amman NDT System, 76/ 2A,2B,Thirumalayampalayam village, Madukkarai P.O. COIMBATORE-641105 Phone;0422-2402456, 2656290 Mobile:9865270800(Devaraj), 9944413388(Sivamurugan) email:sriammanndt@yahoo.in	RT	12-02-2022
26	M/s SIEVERT India Pvt.Ltd, Plot No.B3/B4, TTC Industrial Area, Opp. to Thane Belapur Road, MIDC, Digha, Navi Mumbai, Thane, Maharashtra - 400708. Office:+91 22 67859141 E-Mail : tkrudra@sievert.in	RT,UT	30-04-2022
27	M/s Test Ray's Inspection Services, S.F 413 / 3B, Mopperi Palayam,Palladam Taluk, Coimbatore-642654 Ph:0421-3269845, Mobile9600944001, 02,03 Email:tiesndt@gmail.com	RT	30-04-2022
28	M/s Curie Best Services, 359 / 1, 2 Kanthampalayam, Sembianallur(Village),Avinashi- 641654Mobile:9486774627(Balakrishnan) 9942984241(Murugappan) email:curiebestservices@gmail.com	RT	30-04-2022
29	M/s.J K Inspection services, Plot.No:47, SIDCO-BHEL ANCILLARY ESTATE, BHEL POST, RANIPET-632406, TAMILNADU Phone:04172-244101, Mobil.No:9443224101-Miichael Fax:04127-244141 E-mail:qualitest@hotmail.com	RT,UT,MT,PT	31-05-2022
30	M/s.BECQUEREL industries Pvt Ltd.33,Rushikesh,Ingole Nagar,Modern Co-op.Hsg.Society,Wardha Road, Nagpur.440 005.Cell +91-9822565879.E- mail:info@biplndt.com	RT,UT,MT,PT	10-02-2022
31	M/s.Shabri Enterprises 143-D Light Industrial Area, Bhilai (C.G)-490026 E-Mail: bhilaitest@gmail.com Tel: 07882292628 Mob: 09584606296	RT & PT	10-02-2021
32	M/s METALFAB HIGHTECH (P) LTD E 21-25, MIDC, INDUSTRIAL AREA, HINGNA NAGAR, NAGPUR-440 028 Ph:07104-234240 e-mail:mfhpl@hotmail.com planning@metalfabhightech.com A.K.GHOSH-09922900206	RT,UT,MT,PT	21-12-2022
33	M/s Evergreen NDT Engineers, No. 7, I Floor, Vairam Memorial Complex 24-A/B, Jeeva Street, Subramaniapuram, Tiruchirappalli 20- 620020 Phone(0431) 2333095, Cell-9842425765(Chockalingam), 9842435765(Ravichandran) email:enetry20@eth.net	RT,UT, MT	31-05-2022

34	MAG Integrity Resources plot.No-1-3, Electrical & Electronic Industrial Estate, SIDCO, Thuvakudi, Trichy-620015, Ph.No: 0431-2500215,0431-4060209, Contact Person:K.Thangaiyan,MD,9443495215 E-Mail:carrier@magintegrity.com	UT,MT,PT	25-03-2021
35	M/s.Madras Radiography Engineers, 705,3rd Cross,HRBR I Block, Kalyan Nagar,Bangalore-560043 Contact Person: Damodharan.S-9944033446,09448040882 E-Mail: mre.ndt@gmail.com	RT	05-02-2022
36	M/s Testrade Technical Services, Vishnu Vihar,217, Dr. Ambedkar Road, P.O. Velandipalayam, Coimbatore 641 025. Phone: 0422-2450440 ,09363242722(Muruganandam) email:testradexray@yahoo.in Site Office:165, SIDCO INDL.ESTATE, Malumichampatti, Coimbatore-641 025.	RT	31-10-2019
37	M/s RAIPUR WELDING AND NDT SERVICES PVT LTD, MD 559 Housing Board colony, Industrial Estate, Bhilai-490026,Mr.Santosh Sahu Tel: +91 9165444863, +91 9669363073 E-Mail: rwns_ndt@outlook.com	RT	30-11-2021
38	M/s INSTITUTE OF INSPECTION TECHNOLOGY AND NDT RESOURCES, No: 2,Navaladiyan Arcade, Pugal Nagar, (opp:oil mill check post), Thanjavur Main Road, Pappakurchi, Kattur, Trichy 620 019. Ph: +91 431 253 4269,Shareef Mob: +91 9865407475/ Email:info@iitndt.com	RT,MT,PT,UT	16-01-2022
39	M/s. Integrity and Reliability Service, No:5/8c, Thiruvengada Nagar, Thiruverumbur, Trichy-620013. E-Mail: iris.ndte@gmail.com,irinspectionservice@gmail.com, Ph.No:+91-8526666028,9944674608.	UT	15-01-2021
40	M/s.UNIK NDT Inspection and Engineers Pvt Ltd, Regd.Office:23, Trikone Park, North Balia, Garia, Kolkata-700084. E-Mail: unikndt@gmail.com, info@unikndt.com Pradeep Mondal:07890009619,07059691066	RT	13-02-2022
41	M/s.Asian Supreme Excel NDT, SF 125, Kainangarai, Mathur, Pudukottai-622515 E-Mail: rsexcel@gmail.com Contact.A.Subramanian-09842452076	RT,UT,MT,PT	11-08-2021
42	M/s. A TO Z NDT SOLUTIONS (P) LTD, Sco-36, 2nd Floor, Veer Complex, Spring Field Market, Sector-31, Faridabad-121003(Haryana) India. E-Mail:HOD@atozndt.com Contac:Haider Ali-08469769160,0129-4103532	RT,UT,MT,PT	21-10-2021
43	M/s. VMAX Engineers, No:107, Lokamanya Thilakar Street, Kumarannagar, Padi, Chennai-vmaxengineers@gmail.com Contact: Meganathan-07397788741.	UT,MT,PT	11-08-2021

44	M/s.Arcelor Mittal Dhamm Processing Pvt Ltd, S3-S10,Phase-3,Sipcot, Industrial Complex, Mukundarayapuram Post, Ranipet.Vellore District, Tamilnadu-632405, India. T-+91(4172)278100 F +91(4172)278114, E-Mail:siva.kumar@steel1india.com, Contact:SivaKumar/AGM/QC-9047015918	UT,MT,PT	23-11-2019
45	M/s.COSMIC INSPECTION SERVICES Works:SF.No:475/2D,Sellappampalayam Road, Near LRT Foundry, Ponnadampalayam, Kanniur Post, Coimbatore-641659, E-Mail: cosmicinspectionsservices@gmail.com Mob:+91-9894670567-Mr.S.Esakki.	RT	23-07-2022
46	M/s Coimbatore Industrial Radiographers, S.F.No 221, Therkku Thottam, Othakkal Mandapam, Coimbatore-641032.Mobile:99443243201, email:cirndt@gmail.com	RT	01-11-2022
47	M/s.CUTECH SOLUTIONS INDIA PVT TLD, No-152, 2nd Floor, Tap Turbo Park, 4th lane, First Main Road,21st phase, Ambattur real estate, Chennai-600058 Phone:044-43023170 Mayuran-9043717310	RT,UT,MT	01-11-2022
48	M/s.Shri Vignesh NDT Works, Off:14 A BELL Nagar, Thuvakudi,, Trichy-620015, Phone:0431-2770551, Cell.No:9994381772 Contact person: Shri.D.Selvaganapathy, Mail: shrivigneshndtworks@gmail.com	E- UT,MT,PT,RT	31-05-2021
49	M/s. National Radiographic Inspection Co Pvt Ltd, A22,F/1,Brindavanam Flats,5h Avenue, Banu Nagar, Pudur, Chennai-600053 E-Mail:info@nricndt.co.in, snmoorthy@nricndt.co.in 0461-6540529,09246643275	RT	21-10-2021
50	M/s. Gama Industrial Services Pvt.Ltd, 301,Suprabath, Bejai Kapikad, Mangalore-575004 Phone: 0824 2223901 E-Mail: mlr@gamaind.com Mr.V.Sankaran ,Mobile: 09844044901.	RT	21-10-2021
51	M/s Castech NDT Services,SF No.440/1,Othakkamandalam Road,Chettipalam- Post,Coimbatore.Pin-641201,Tamil Nadu.E Mail- castechndt@gmail.com,Phone No-0422- 2930340/9698232360.	RT	21-10-2021

RATE CONTRACT 2022-23 – Ranipet :: Outsourcing Department
LIST OF APPROVED GALVANISING VENDORS

- | | |
|---|---|
| 1 | M/S LYSAGHT TAPERLINE POLES PVT LTD
POLTNO;F7/1 SIPCOTINDUSRIAL PARK
MAMBAKKAM,SRIPERMPUDHUR
CHENNAI -602105 |
|---|---|

Outsourcing Department
BAP:Ranipet

List of approved vendors for ARC Blasting-2021-22

Sl No	Vendor Code	Vendor Name
1	A54	M/s Weldkraft, S.F. No-11/9,Trichy Pudukottai Road,Mathur Industrial Estate,Mathur,Pudukottai Dist-622515
2	A40	M/s Five Star Industries, S.F. No-11/6-9,Trichy Pudukottai Road,Mathur Industrial Estate,Mathur,Pudukottai Dist-622515
3	M76	M/s Sri Ganesha Enterprises, S.F. No-220/1A3,Navallur Road,Mela Thiruvizha patti,Thanjavur-613402
4	A29	M/s Sri Vari Industrial Works, NO.358/2B, Thiruvalluvar Nagar, Nellikuppam Mottur,Ranipet-632405
5	V66	M/s Pradeep Engineering Enterprises, S.F. No-448/3,Krishnapuram,Ekambaranellore Post,Ranipet-632405
6	V97	M/s Thirupathi Enterprises, 468/2,Rendadi Road, Krishnapuram, Ekambaranellore Post,Ranipet-632405
7	V24	M/s RN Fabricators, Plot No-24,Elayanallore Road, Melmanthangal Village, Kugayanellore, Ranipet-632515
8	S87	M/s Metal Merge Manufacturers, S.F. No-345/1,347/3,347/4, Kanigapuram Village, Kokkeri Post, Katpadi-632520
9	A05	M/s Pee Yes Engineering, Sripathanallur,Thenpalli PO,Ranipet-632407
10	A06	M/s Markhs Engineering Works-Unit-II, S.F No-21/1,23/2A,Chinna Ramanathapuram Road, Katpadi,Vellore-632519
11	S72	M/s Hari Engineering Works, S.F. No-63,186,189, Eranthangal Village, Katpadi-632519
12	A59 (New)	M/s ESR Industries, S.F. No-91/6,7,8,9,10, Vellupatty Road, Vendayampatty, Dist- Tanjore, PIN-613402
13	S71	M/s Saroba Industries, S.F. No-52/2L, Arcellor Mittal Main Road, Ranganathapuram, Nellikuppam,MK Puram Post, Ranipet-632405
14	A60 (New)	M/s Airtech Engineers, SF No-212,213,Trichy Thanjavur main road,Pudukudi,Thanjavur-613402

SECTION - VIII
LIST OF APPROVED VENDORS

6) LIST OF APPROVED HEAT TREATMENT VENDORS

S.No	Vendor Code	Area Code	Vendor Name	ADDRESS	EMAIL ID	PHONE NO
1	30332	A05	RAMAN STRLS & ALLIED INDS.	RAMAN STRLS & ALLIED INDS. No:F-1, Ancy. Indl. Estate Thiruverumbur TIRUCHIRAPALLI 620014	ramanstructurals@yahoo.com	9443302468
2	30175	A10	KATTHIRMALAI ENGINEERING WORKS	KATTHIRMALAI ENGINEERING WORKS G1 ANCILLARY INDUSTRIAL ESTATE THIRUVERUMBUR TIRUCHIRAPALLI TIRUCHIRAPALLI - 620 014 620014	katthirmalai@hotmail.com	9942984454
3	30114	A21	VANGUARD INDUSTRIES	VANGUARD INDUSTRIES D2-B, INDL ESTATE THIRUVERUMBUR TIRUCHIRAPALLI THIRVERAMBUR 620014	van30114@yahoo.co.in	9842412672
4	30265	B21	JAYARAM ENGINEERING WORKS,	JAYARAM ENGINEERING WORKS, E-15 & 16,DEVELOPED PLOTS ESTATE, THUVAKUDI, TRICHY 620015	cmrao@jayaramengg.com	98424-55045
5	30061	C34	G.K SONS ENGG ENTERPRISES PVT.LTD.,	G.K SONS ENGG ENTERPRISES PVT.LTD., 30, MANNARPURAM TIRUCHIRAPALLI TRICHY-TOWN 620020	unit3@gksons.com	9842412262

SECTION - VIII
LIST OF APPROVED VENDORS

6) LIST OF APPROVED HEAT TREATMENT VENDORS

S.No	Vendor Code	Area Code	Vendor Name	ADDRESS	EMAIL ID	PHONE NO
6	31321	C62	WIRE AND WIRE PRODUCTS	WIRE AND WIRE PRODUCTS NO.46/210, PUDUKKOTTAI MAIN ROAD SEMPATTU TIRUCHY 620007	wwp620007@yahoo.co.in	9444278887
7	31490	C69	DREAMZ INDUSTRY	DREAMZ INDUSTRY 149/1B, VENGANGUDI MANNACHANALLUR TALUK TIRUCHIRAPALLI 621112	dreamzindustry2012@yahoo.com	9894661983
8	31841	F06	SREE SIVA SAKTHI ENGINEERING WORKS	SREE SIVA SAKTHI ENGINEERING WORKS PLOT No.11,12 & 13, SF.No.18/1 - C AVOOR MAIN ROAD MATHUR MATHUR-PUDUKKOTTAI 622515	ssshangers@gmail.com	9842052200
9	31203	J09	M.Se INDUSTRIES	M.Se INDUSTRIES 57B, ANAMALAI AMMAN KOVIL STREET L&T BYE PASS ROAD, VELLALORE COIMBATORE 641111	msemovers@yahoo.co.in	9843347004
10	31025	J71	MANI NAGGAPPA MOTORS MADURAI P LTD.	MANI NAGGAPPA MOTORS MADURAI P LTD. SL.NO.90/3 MADURAI-MELUR MAIN ROAD, NARASINGAMPATTI, MADURAI 625122	nagauto@gmail.com	9344101699

SECTION - VIII
LIST OF APPROVED VENDORS
6) LIST OF APPROVED HEAT TREATMENT VENDORS

S.No	Vendor Code	Area Code	Vendor Name	ADDRESS	EMAIL ID	PHONE NO
11	30236	L78	VIJJAAY COY INDUSTRIES	VIJJAAY COY INDUSTRIES F2 / 4, SIDCO INDUSTRIAL ESTATE ARIYAMANGALAM TIRUCHIRAPPALLI 620010	vcitry@yahoo.com	9952411461
12	30761	L81	AMBIGAI ENGINEERING WORKS UNIT II	Ms. AMBIGAI ENGINEERING WORKS UNIT II SF NO. 169/1,170/1A,170/1B,170/3a2, 174/3,170/11,170/3A1, PUDUKKUDI,-TANJORE DISTRICT 613402	ambigai_engg@hotmail.com	9345986491
13	30086	M16	PIONEER ENGG INDS	PIONEER ENGG INDS NO2,CHENNAI BYPASS ROAD SUBARAMANIAMURAM TIRUCHIRAPPALLI TRICHY-TOWN 620020	pioneereng_ind@yahoo.co.in	9842402255
14	30084	M27	NIRMAL ENTERPRISES	NIRMAL ENTERPRISES PUGAZH NAGAR (OPP.OIL MILL BUS STOP) TIRUCHIRAPPALLI KATTUR 620019	try.nent@gmail.com	94432 11693
15	30090	M52	R.K METAL INDUSTRIES	R.K METAL INDUSTRIES 32/4, III STREET,NEHRU NAGAR KAJAMALAI MAIN TIRUCHIRAPPALLI TRICHY-TOWN 620023	rkmetal2003@yahoo.com	0431-2556564

SECTION - VIII
LIST OF APPROVED VENDORS
6) LIST OF APPROVED HEAT TREATMENT VENDORS

S.No	Vendor Code	Area Code	Vendor Name	ADDRESS	EMAIL ID	PHONE NO
16	30087	M68	PUNITHA ENGG WORKS	PUNITHA ENGG WORKS SF No.286/2-A, TRICHYRAPPALLI THIRUNEDUNGULAM 620015	punithaenggtry@gmail.com	9942462023
17	30861	D03	MARIA ENGINEERING ENTERPRISES,	MARIA ENGINEERING ENTERPRISES SF.NO.22/1, TRICHY-TANJORE MAIN ROAD, ASSUR POST TRICHY 620015	mariaenggenterprises@gmail.com	9865370000

Section X

Sl.No	RSNO	RS Description	Quality requirement
1	157M	Fabrication of GB Spool static/stationary spool except Drilling Tapping Machining with Red Oxide painting and wherever Heat Treatment is required Red Oxide Paint need not to be done. MPI Charges payable extra as per OS(Main)ARC Drg.No:- 0-52-011-00561 0-52-011-01339 0-52-261-00466 1-52-011-00700	PRQA:410/05, WPS:002
2	157N	Fabrication of Reducer Base Drive Base Base frame with Red Oxide Paint Except Drilling Tapping AND Heat Treatment (Machining Painting Not required wherever Heat Treatment is called for) Drg.No:- 1-52-042-00646 1-52-042-00692 1-52-042-01021 1-52-100-00074	PRQA:410/05, WPS:002, SQP:APH:111:REV02, QCP:2:4:257 A2
3	AC01	Fabrication and Machining of CLEANING DEVICE to drg.0-52-329-01027 0-52-329-01176 0-52-329-01300 0-53-316-00165 or equivalent Drg.No:- 0-52-329-01027	AS PER DRG
4	AC02	Machining of WORM GEAR ASSEMBLY for Drg.No:- 2-52-326-00476	SQP:APH:111:REV02, QCP:2:4:257 A2
5	AC06	Fabrication and Machining of CLEANING EQUIPMENT to drg.0-52-329-01105 2-52-329-01656 01700 01744 1865 or equivalent	PRQA:410/05, WPS:002
6	AF03	Fabrication of AXIAL SEAL PLATE Drg.No:- 1-52-030-01109	PRQA:410/05, WPS:002
7	AF06	Fabrication of GRATING ASSEMBLY-CORTEN A(E8018 ELECTRODE) Drg.No:- 1-52-010-00490	PRQA:410/05, WPS:002
8	AF07	Fabrication of GRATING (PRESSING) Drg.No:- 1-52+010-00025	PRQA:410/05,
9	AF08	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT). Where the plates are to be converted into standard or non-standard Flats (where the conversion charges are not payable extra) Drg.No:- 1-52-010-00025	PRQA:410/05,
10	AF09	Fabrication of GRATING ASSEMBLY-For MODULES(with FLAT).Where the flats of standard sizes will be issued (where conversion of Plates to Flats are not involved) Drg.No:-1-52-010-01450	PRQA:410/05,
11	AL01	COMPLETE MANUFACTURING OF SEAL GUAGE AS PER BHEL DRG 3-53-013-00054 4-52-013-00718 4-52-013-01464 4-52-054-00662 4-52-054-01745 4-52-054-03555 WITH BHEL MATERIAL OR EQUIVALANT CONTENT	AS PER DRG
12	AM01	Fabrication of BASKET PROTECTING SHEET Drg.No:- 2-52-010-01085	AS PER DRG
13	AM03	Fabrication and Machining of GUIDE TRUN GUARD Drg.No:- 3-52-010-00801	AS PER DRG
14	AM04	Machining of LOWER POST PIN Drg.No:- 6-17-10052 4-52-011-00906	AS PER DRG
15	AM06	Fabrication of CLAMP TO 52 PGMA Drg.No:- 6-17-10066 6-17-20185	PRQA:410/05, WPS:002
16	AM07	Machining of ADJ SLEEVE ASSEMBLY Drg.No:- 6-17-10037 2-52-030-00983	AS PER DRG
17	AM08	Machining of ADJ ROD to drg. 3-52-030-01840 or equivalent	AS PER DRG
18	AM13	Machining of GUIDE PIN ASSEMBLY Drg.No:- 6-17-10040 6-17-10058	AS PER DRG
19	AM15	Machining of Stationary Spool Static Spool Support Ring Supt Bearing Housing Cover to Drg 1-52-261- 00274 or Equivalent	AS PER DRG

20	AM18	Machining of SEAL RING RETAINER to drg-no 35226100402 or equivalent	AS PER DRG
21	AM19	Machining of ALUMINIUM SEAL RING UPTO DIA 500 MM SUPPLIED IN TWO PIECES Drg.No:- 2-52-261-00969	AS PER DRG
22	AM20	Machining of Static Spool Stationary Spool Support Ring Support Bearing Housing Cover to Drg 0-52-011-00561/02/00, Or Equivalent	AS PER DRG
23	AM21	Machining of Stationary Spool Static Spool Support Ring Support Bearing Housing Cover to Drg 1-52-261-00450/04/00, Or Equivalent	AS PER DRG
24	AM22	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-00309 3-52-010-01460 Or Equivalent Drg Having Same Work Content	PRQA:410/05,
25	AM23	Fabrication and Machining of Lifting Stay Entention To Drg 3-52-010-02120 Or Equivalent Drg Having Same Work Content	PRQA:410/05,
26	AM25	Fabrication and Machining of Trunnion Sleeve Sealing Tube Assenbly (For Fully Machining) To Drg. 2-52-261-00116 2-52-261-00190 2-52-261-00710 Or Equivalent	AS PER DRG
27	AM26	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 3-52-261-01772 Or Equivalent	AS PER DRG
28	AM27	Fabrication and Machining of Guide Trunnion Sealing Sleeve Assy (For Fully Machining) To Drg. 2-52-261-02394 Or Equivalent	AS PER DRG
29	AM30	Machining of CLIP Drg.No:-6-17-10045	AS PER DRG
30	AM31	Machining of Aluminium Seal Ring Less Than Outer Dia 1000 Mm (Including Drg. 2/00969 3/00560 3/00731 3/00732 3-52-011-00955 3/01760 3/01773 Or Equivalent)	PRQA:410/05,
31	AM32	Machining of Aluminium Seal Ring Above Outer Dia 1000 mm (Including Drgs 3-52-011-00896 3-52-011-02112 Or Equivalent). Segments will be issued from shop.	PRQA:410/05,
32	AM39	Fabrication and Machining of SEAL ADJ BAR Drg.No:- 6-17-10033	AS PER DRG
33	AM44	Guide Bearing SPOOL MACHINING BY VTL TO DRG 1-52-047-001131 1-52-047-01327 OR EQUIVALENT	AS PER DRG
34	AM46	Machining of SEALING TUBE ASSY Drg.No:- 2-52-011-02394 2-52-261-00116	AS PER DRG
35	AM48	STATIC SPOOL SUPPORT RING MACHINING to DRG. 1-52-011-00700/08/00, 1-52-011-01658/02/00 OR Equivalent.	AS PER DRG
36	AM50	Machining of BRASS PACKING COVER (2 HALVES) Drg.No:- 3-52-261-00114	AS PER DRG
37	AM51	SPOOL SEAL ASSY MACHINING to Drg.1-52-041-01157/06/00 OR Equivalent	AS PER DRG
38	AM52	SPOOL SEAL ASSY MACHINING to Drg. 1-52-047-00295/06/00 OR Equivalent	AS PER DRG
39	AM53	SPOOL SEAL ASSY MACHINING to Drg. 1-52-047-00521/04/00 OR Equivalent	AS PER DRG
40	AM54	GB SPOOL MACHINING BY VTL TO DRG 1-52-041-00458 1-52-041-01137 1-52-041-01872 1-52-041-02172 OR EQUIVALENT	AS PER DRG
41	AM57	Complete Machining Of Retainer Plate-Pri Upto 40 Mm (Including Drawings 25226100114 25226100189 Or Equivalent Having Same Work Content)	AS PER DRG

42	AM58	Complete Machining Of Retainer Plate-Pri More Than 40 Mm (Including Drgs Nos 25226100711 35226101774 Or Equivalent Having Same Work Content)	AS PER DRG
43	AM61	Machining of Brg Runner Plate OP-SK-APH-01801 Drg.No:- OPSKAPH1801	AS PER DRG
44	AM64	Machining ofBrg Runner PI 170 Xd 1540 Op-Sk-Aph-1896	AS PER DRG
45	AM67	Complete Manufacturing Of Spacer Ring Segment Assy As Per The Drawings 25201102392, 25201102928 And 35201101370 Or Equivalent Drawings Having Same Work Content	AS PER DRG
46	AM71	Machining of Brg. Runner Plate 120Xdia 1200 Sketch: OP-SK-APH -0814 OR Equivalent.	AS PER DRG
47	AM72	Machining ofBrg. Runner Plate 120Xdia 800 Sketch OP-SK-APH-1061 OR Equivalent.	AS PER DRG
48	AM83	STATIC SPOOL STATIONARY SPOOL SUPP RING SUPT BRG HSG COVER MACHINING to Drg 1-52-041-01210/01/00, 1-52-041-01812/00/00, 1-52-261-01102/02/00,2-52-261-00815/04/00 , OR Equivalent	AS PER DRG
49	AM87	Trunnion Sleeve(For Fully Machining) for upto 110MW-WOs. And to drg. 3-53-261-00063 3-52-261-00515 3-52-261-01402 3-52-261-00399 or equivalent	AS PER DRG
50	AM88	Trunnion Sleeve(For Fully Machining) for 210MW AND 500(Pri)-WOs. And to drgs. 3-52-011-00533 3-52-261-01959 2-52-011-00707 or equivalent	AS PER DRG
51	AN05	ADAPTOR SLEEVE ROUGH MACHINING to drg 2-52-261-01509 OP-SK-APH-0188 Or equivalent	AS PER DRG
52	AN06	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-0622 Or equivalent	AS PER DRG
53	AN07	ADAPTOR SLEEVE ROUGH MACHINING to sketch OP-SK-APH-2329 Or equivalent	AS PER DRG
54	AP22	Fabrication of Shaft Protecting Tube to Drg. 1-55-214-00619/02/00,1-55-216-00353/02/00,1-55-334-00695/04/00,1-55-335-00867/00/00,2-55-213-00698/00/00,3-55-124-00063/04/00 OR Equivalent.	AS PER DRG
55	AP26	Fabrication Of Shaft Protecting Tube To Drg. 0/01089 Or Equivalent.	AS PER DRG
56	AR21	Rotor Drive Base -Machining Only To Drg-No. 2/00055 1/00074 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
57	AR22	Rotor Drive Base -Machining Only To Drg-No. 2/02510 1/01522 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
58	AR23	Rotor Drive Base -Machining Only To Drg-No. 1-52-100-00978 1-52-100-02220 1-52-100-02320 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
59	AR24	Air Motor Bracket -Machining Only To Drg-Nos.1/00826 1/00979 1/02791 2/02433 2/02706 2/02745 2/02772 2/02997 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
60	AR25	Air Motor Bracket -Machining Only To Drg-Nos.2/03001 2/03038 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
61	AR26	Electrical Motor Bracket -Machining Only 1/54 2/2996 2/3009 3/1796 3/1837 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG

62	AR27	Electrical Motor Bracket -Machining Only 2/2509 2/3014 2/3036 2/3042 Or Equivalent (Fabricated Base Supplied By Bhel)	AS PER DRG
63	BS01	Bearing Support Sub Assembly machining as per drg. 1-52-042-01021/02 1-52-042-00692/04/00 or equivalent	AS PER DRG
64	BS03	Brg Supt Sub Assy machining as per drg.1-52-042-01875/02 or eq.	AS PER DRG
65	BS04	Brg Supt Sub Assy machining as per drg.1-52-042-01987 or eq.	AS PER DRG
66	CH10	Machining ofCHIMNEY HEX NUT M90 for Drg.No:- 40-A-006-035	AS PER DRG
67	CH20	Machining ofCHIMNEY FOUNDATION BOLT OF ALL SIZES WITH OUT NUT AND WASHER for Drg.No:- 3-87-010-80422	AS PER DRG
68	CH21	CHIMNEY FOUNDATION BOLT OF ALL SIZES WITH NUT AND WASHER for Drg.No:- 3-87-010-80422	AS PER DRG
69	CP02	Hard Chrome Plating of AP Fan Pistons Both way delivery to BHEL inchs Scope Drg.No:- 0-55-214-00387	AS PER DRG
70	D02C	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT 100 KGS to 250 Kgs	AS PER DRG
71	D02D	Fabrication and Machining of Lifting Beam(ESP) Drg.No:- 2-79-000-03852	AS PER DRG
72	D02E	LIGHT FABRICATION LIGHT MACHINING OF ITEMS UNIT WT morethan 2 Kg and UP TO 10 KGS	AS PER DRG
73	D02F	LIGHT FABRICATION LIGHT M/CING ITEMS UNIT WT UP TO 2 KGS	AS PER DRG
74	D02G	Fabrication and Machining of Fabrication and Machining ofPOINTER Assy to drg. 05521400853/04 05533400938/02 25521400504/01 35533500504/01 35533500954 or equivalent	AS PER DRG
75	D02H	Fabrication and Machining ofTEMPLATES TO VARIOUS DRGS WITH WEIGHTS MORETHAN 250 KG AND UPTO 800 KG.	AS PER DRG
76	D02K	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 10 KGS AND UPTO 50 KGS	AS PER DRG
77	D02L	LIGHT FABRICATION LIGHT MACHINING ITEMS UNIT WT MORE THAN 50 KGS AND UPTO 100 KGS	AS PER DRG
78	D02M	Fabrication of Lock Washer of various drawings.	AS PER DRG
79	D02N	Machining of Blade pins Dia 25 mm for Drg 4-57-999-02123 or equivalent	AS PER DRG
80	D02P	Machining of Blade pins Dia 33 mm for Drg 4-57-999-02124	AS PER DRG
81	D02Q	Fabrication of Shims for APH items like sector plate, reducer base	AS PER DRG
82	D03A	Machining ofPIPE NIPPLE UPTO 1 inch (from tube)	AS PER DRG
83	D03B	Machining ofPIPE NIPPLE UPTO 2 inch (from tube)	AS PER DRG
84	D03C	Machining ofPIPE NIPPLE UPTO 3 inch (from tube)	AS PER DRG
85	D04A	Machining of PIPE NIPPLE FROM ROD DIA 32 MM Drg.No:- 4-52-100-01140	AS PER DRG
86	D04B	Machining of PIPE NIPPLE FROM ROD DIA 40 MM Drg.No:- 4-52-262-01378	AS PER DRG
87	D04C	Machining ofPIPE NIPPLE FROM ROD DIA 50 MM Drg.No:- 4-52-100-03487	AS PER DRG
88	D04D	Machining ofPIPE NIPPLE FROM ROD DIA 63 AND 80 MM Drg.No:- 4-55-335-01513	AS PER DRG
89	D05A	Fabrication and Machining of PIPE CLAMPS UPTO 2 inch Drg.No:- 6-17-10016	AS PER DRG

90	D05C	Fabrication and Machining of PIPE CLAMPS above 2 inch and upto 3 inch Drg.No:- 6-17-10016	AS PER DRG
91	D06A	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 32 MM for Drg.No:- 4-53-261-00033	AS PER DRG
92	D06B	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 50 MM	AS PER DRG
93	D06C	Machining of Fabrication and Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 63 MM	AS PER DRG
94	D06D	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 80 MM Drg.No:- 4-ML-102-00048	AS PER DRG
95	D06E	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 100 MM	AS PER DRG
96	D06F	Machining of REDUCERS / SW COUPLINGS FROM ROD DIA 125 MM Drg.No:- 6-17-20151	AS PER DRG
97	D08A	Machining of Studs SA193B7 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-132-02655	AS PER DRG
98	D08B	Machining of Studs SA193B7 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 3-48-013-33558	AS PER DRG
99	D08C	Machining of Studs SA193B7 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 3-48-013-33558	AS PER DRG
100	D08D	Machining of Studs SA193B7 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	AS PER DRG
101	D08F	Machining of Studs SA105 (Single Side) upto M16 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	AS PER DRG
102	D08G	Machining of Studs SA105 (Single Side) upto M24 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-52-261-03191	AS PER DRG
103	D08H	Machining of Studs SA105 (Single Side) upto M30 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	AS PER DRG
104	D08I	Machining of Studs SA105 (Single Side) upto M36 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100) Drg.No:- 4-56-000-02173	AS PER DRG
105	D08J	Machining of Studs SA105 (Single Side) upto M48 Rate payable for every 100 mm of Thread length (any partial length will be rounded to next higher 100)	AS PER DRG
106	D08P	% EXTRA FOR STUDS-DOUBLE SIDE (APPLICABLE FOR STUDS-SINGLE SIDE LOADED UNDER RATE SCHEDULE D08A TO D08J) Drg.No:- 4-56-000-02171	AS PER DRG
107	D09	CAF GASKETS TO VARIOUS SIZE / SHAPE Drg.No:- 4-54-240-00019	AS PER DRG
108	D10A	Machining of FIT BOLTS M16 Drg.No:- 4-54-100-00039	AS PER DRG
109	D10B	Machining of FIT BOLTS M20 Drg.No:- 4-56-226-00807	AS PER DRG
110	D11A	Machining of LOCATING PIN M12 OR M16 Drg.No:- 4-55-215-02013	AS PER DRG
111	D11B	Machining of LOCATING PIN M20 OR M22 Drg.No:- 4-55-216-00850	AS PER DRG

112	D11D	Machining of LOCATING PIN M24 Drg.No:- 4-55-216-00550	AS PER DRG
113	D12A	Machining of TAPER PINS (THREADED OR PLAIN)-Dia UPTO 10 mm.	AS PER DRG
114	D12B	Machining of TAPER PINS (THREADED OR PLAIN)-Dia morethan 10 mm Drg.No:- 3-53-010-00239	AS PER DRG
115	D13A	Manufacture of HEX BOLT UPTO M20X160 Drg.No:- 6-17-10098	AS PER DRG
116	D13B	Manufacture of HEX BOLT UPTO M24X180	AS PER DRG
117	D13C	Manufacture of HEX BOLT UPTO M36X200	AS PER DRG
118	D13D	Manufacture of HEX BOLT UPTO M52X450	AS PER DRG
119	D13E	Machining of SCREW PLUG FP 2 inch (45521400460/01)	AS PER DRG
120	D14	Fabrication and Machining of EXPANSION ARRT OF ALL SIZES Drg.No:- 6-17-10069 6-17-10070 1-52-030-00002 1-52-030-00004	AS PER DRG
121	D15A	Machining of FLANGES BORE UPTO 40 MM Drg.No:- 4-55-334-01422	AS PER DRG
122	D15B	Machining ofFabrication and Machining ofFLANGES BORE UPTO 50 MM	AS PER DRG
123	D15C	Machining of FLANGES BORE UPTO 75 MM	AS PER DRG
124	D15D	Machining of FLANGES BORE UPTO 100 MM	AS PER DRG
125	D15E	Fabrication and Machining of FLANGES BORE UPTO 150 MM	AS PER DRG
126	D17	Fabrication and Machining of OIL CARRY OVER DETECTOR/OIL INLET PIPE ASSY (HYDRO TEST TO BE DONE) Drg.No:- Drg.No:- 6-17-10006	AS PER DRG
127	D19	Fabrication and Machining of Water Shield Assy as per Drgs . 2-52-262-00182 2-52-262-00781 2-52-262-01292 2-52-262-01315 2-53-262-00218 3-52-262-01802 3-52-262-01897 3-52-262-02174 3-52-262-02387 or equivalent	AS PER DRG
128	D20B	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA UPTO 1000MM for Drg.No:- 2-56-171-02825	QP:No:FAN:350
129	D20C	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 1000MM to 2000MM	QP:No:FAN:350
130	D20D	Fabrication and Machining of CIRCULAR EXPANSION JOINTS (ROLLING TO BHEL inchS SCOPE) FOR DIA FROM 2000MM to 4000MM	QP:No:FAN:350
131	D20E	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L <LESSTHAN 2 SQ.MTR) for Drg.No:- 1-56-173-04114	QP:No:FAN:350
132	D20F	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 2 SQ.MTR UPTO 4 SQ.MTR)	QP:No:FAN:350
133	D20G	Fabrication and Machining of RECTANGULAR EXPANSION JOINTS (W X L MORETHAN 4 SQ.MT UP TO 8 SQ.MTR)	QP:No:FAN:350
134	D21A	Fabrication of SEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) -For OD 1 Mtr TO 1.5 Mtr.Reference Drg.No:- 2-56-134-03318	AS PER DRG
135	D21B	Fabrication ofSEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) -For OD 1.5 Mtr TO 2.5 Mtr refernce Drg.No:-2-56-226-03249 and 2-56-228-03854	AS PER DRG

136	D21C	Fabrication of Fabrication and Machining of SEALING FOR IMPELLERS (ANGLE ROLLING WILL BE DONE AT BHEL) -For OD 2.5 Mtr TO 3.5 Mtr Reference Drg no 2-56-228-02417	AS PER DRG
137	D21E	Fabrication of Sealing For Impellers (Angle Rolling Will Be Done At BHEL) Upto Unit Wt:50 Kgs -For OD Upto 1 Mtr as per Drg 2-56-226-03249 2-56-226-04824 2-56-214-04065 or equivalent	AS PER DRG
138	D22	Manufacture of FORM TOOL ASSY to drg.3-79-020-00271/01 OR Equivalent.	AS PER DRG
139	D22A	Fabrication of NEW FORM TOOL from Plate 16 mm to drg. 3-79-020-02730 Or Equivalent	AS PER DRG
140	D23A	Fabrication of SEALS UPTO 2.5 MM ORDINARY TYPE Drg.No:- 2-52-041-01583	AS PER DRG
141	D23B	Fabrication of SEALS ABOVE 2.5 MM ORDINARY TYPE AXIAL SPACER BAR ASSY AND ALL SHIMS Drg.No:- 1-52-041-01128 1-52-041-01188	AS PER DRG
142	D23C	Fabrication of Seals Upto 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	AS PER DRG
143	D23D	Fabrication of Seals Above 2.5 mm Spot Welded Type (Plug Welding Is Permitted)	AS PER DRG
144	D23E	Fabrication of Deflection plate Drg.No:- 6-17-20115	AS PER DRG
145	D23G	Fabrication of Support Rod Drg.No:- 6-17-20130 4-52-261-03089	AS PER DRG
146	D28	Manufacture of REINFORCEMENT TO DRG. 4-79-020-00341/01 OR EQUIVALENT Drg.No:- 6-17-20142	AS PER DRG
147	D30	Machining of PIN SPACE GAUGE PIN RACK SPACE SETTING BLOCK Drg.No:- 6-17-10032	AS PER DRG
148	D32	PIN RACK SETTING SCREW Drg.No:- 6-17-10025	AS PER DRG
149	D33	Machining of ADJUSTER ROD drg. 25204500034/02 35203000902/05 35204500236/02 35226100400/05 35500001082 35500001084 37901300126/02 45203000330/08 or Equivalent	AS PER DRG
150	D34	Fabrication of CIRCM SEAL SETTING WEDGE to drg. 3-53-013-00226 or equivalent	AS PER DRG
151	D35	Fabrication of CIRCM SEAL ANGLE SPANNER for Drg.No:- 3-53-013-00227	AS PER DRG
152	D36	Machining of SCREW RING for Drg.No:- 3-55-124-00046	AS PER DRG
153	D37	Machining of RING DIVIDED for Drg.No:- 3-55-334-00227	AS PER DRG
154	D41	Fabrication and Machining of of Basket Wedge for Drg.No:- 4-53-025-00232	AS PER DRG
155	D42	Machining of ADAPTER FP 1/2 inch-M18X1 to drg 45533401334/01 (SA105 ROD D36 L40 WEIGHT 0.1 KG/NO) OR Equivalent	AS PER DRG
156	D49	Machining of PLUG M18X1 Drg.No:- 4-55-214-00482	AS PER DRG
157	D53A	Fabrication and Machining of SEAL ASSEMBLIES OF 56 PGMA LAB SEAL (for 11 size Fan) for Drg.No:- 2-56-228-03397	AS PER DRG
158	D54A	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight upto 10 Kgs.) for Drg.No:- 1-56-226-00290	AS PER DRG
159	D54B	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 10 to 25 Kgs.)	AS PER DRG
160	D54C	Fabrication and Machining of SUPPORT FOR SEALS OF 55 PGMA LAB SEAL (for weight 25 to 50 Kgs.)	AS PER DRG

161	D56	Fabrication and Machining of HAND CRANK ASSY Drg.No:- 3-52-326-00467	AS PER DRG
162	D58	Fabrication of DIPSTICK ASSY Drg.No:- 6-17-10007	AS PER DRG
163	D59	Fabrication and Machining of T-BARS (from I-section) Rotor Angle Bye pass Seal Angle Drg.No:- 1-52-041-00282 2-52-010-00546	AS PER DRG
164	D60	Fabrication and Machining of CIRCUMFERENTIAL SEAL WITH SUPPORT (ANGLE SECTION ROLLING) for Drg.No:- 3-53-013-00527	AS PER DRG
165	D63	Fabrication and Machining of LIFTING HOOK Drg.No:- 6-17-10014	AS PER DRG
166	D64	Fabrication and Machining of PINION COVER ASSY for Drg.No:- 1-52-100-00010	AS PER DRG
167	D66A	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 500 MM) to DRg 2-02-393-56807/00/00, 3ML10100026---/00/00, OR Equivalent	AS PER DRG
168	D66B	Fabrication and Machining of INLET CONE ASSEMBLY (FAB + M/C UPTO 501-1000 MM)	AS PER DRG
169	D66C	INLET CONE ASSEMBLY (FAB + M/C 1000-1500 MM) to DRg.0-55-214-00834/06/00,0-55-334-00832/02/00,2-56-124-02835/01/00,2-56-145-02353/00/00, OR Equivalent	AS PER DRG
170	D67D	Fabrication and Machining of LAB SEAL ASSY (M/C from casting) Drg.4-56-135-00109 OR Equivalent	AS PER DRG
171	D67E	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Upto 75Mm Thick) Drg. 3-56-171-01354/00/00, 1-56-226-01357/00/00, 4-56-135-00294/01/00 Or Equivalent	AS PER DRG
172	D67F	Fabrication and Machining of Lab Seal Assy (Fab + M/C From Plate Morethan 75 Mm To 100 Mm Thick) Drg. 3-56-226-00477/02/00 Or Equivalent	AS PER DRG
173	D68	Fabrication and Machining of OIL CIRCULATION UNIT for Drg.No:- 1-57-274-01035	AS PER DRG
174	D69	Fabrication and Machining of CORE COVER PLATE for Drg.No:- 3-55-214-00589	AS PER DRG
175	D70	Fabrication and Machining of SEALING COVER ASSY (under TWO-SPLIT) to Drg. 4ML10100070---/00/00, 1-52-261-00299 OR Equivalent	AS PER DRG
176	D70A	Fabrication and Machining of SEALING COVER ASSY (UNDER four split) to Drg. 2-52-262-00782 OR Equivalent	AS PER DRG
177	D71	SUPP.BRG HSG COVER FABN AND M/C ING Drg.No:- 2-52-262-01792	AS PER DRG
178	D73	Fabrication of CAF WASHER D 50 x D17 - 3.15 MM THICK	AS PER DRG
179	D74	Fabrication and machining of HOOK Drg.No:- 6-17-20040 6-17-20063 4-79-008-00019	AS PER DRG
180	D74A	Fabrication and machining of SHOCK IRON Drg.No:- 4-79-020-00160	AS PER DRG
181	D74B	GUIDE AS PER DRG 4-79-020-00041 OR EQUIVALENT	AS PER DRG
182	D75	Fabrication and machining of Articulated Fork as per Drg 3-56-132-00008	AS PER DRG
183	D75A	Fabrication and machining of Articulated Piece as per Drg 3-56-465-00009	AS PER DRG
184	D76	Fabrication and machining of Turn Buckle for Drg.No:- 3-55-125-00266	AS PER DRG
185	D77	Fabrication of BEARING PEDESTAL 2-56-171-01314/01 for Drg.No:- 4-56-132-00040	AS PER DRG

186	D78	Fabrication and machining of ROLLER ASSY for Drg.No:- 4-52-045-00622	AS PER DRG
187	D79	Fabrication and machining of SUSPENTION ASSY for Drg.No:- 1-55-114-00421	AS PER DRG
188	D80A	Machining of BEARING HOUSING ID UPTO DIA 200MM Drg.No:- 0-55-214-00598	QP:No:FAN:302
189	D80B	Machining of BEARING HOUSING ID DIA > 200 MM UPTO 300 MM Drg.No:- 0-55-214-00598	QP:No:FAN:302
190	D80C	Machining of BEARING HOUSING ID DIA > 300 MM UPTO 400 MM to DRg.0-56-135-00613/04/00, OR Equivalent	QP:No:FAN:302
191	D81A	Machining of SPLIT TYPE BEARING HOUSING ID DIA UPTO 250 MM	QP:No:FAN:302
192	D81B	Machining of SPLIT TYPE BEARING HOUSING ID DIA > 250 MM UPTO 400 MM to drg 0-55-126-00186/04/00, OR Equivalent	QP:No:FAN:302
193	D82A	Machining of BEARING HOUSING COVER ID DIA UPTO 310 MM 3-55-216-00498/04/00, OR Equivalent	QP:No:FAN:302
194	D82B	Machining of BEARING HOUSING COVER ID DIA > 310 MM UPTO 410 MM	QP:No:FAN:302
195	D82C	Machining of BEARING HOUSING COVER ID DIA > 410 MM UPTO 500 MM	QP:No:FAN:302
196	D82E	Complete machining of Bearing Housing as per drg (0-55-214-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857) except drilling and tapping SR completed castings to be collected from shop	QP:No:FAN:302
197	D82F	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 0-55-335-01067) except drilling and tapping SR completed castings to be collected from shop	QP:No:FAN:302
198	D82G	Complete machining of Bearing Covers as per drg (1-55-214-00414 1-55-335-00885 2-55-214-00813 2-55-334-00814) including drilling tapping and slotting etc.. Casting /PREPARED MATERIAL to be collected from SHOP	QP:No:FAN:302
199	D82L	Complete machining of Bearing Covers as per drg (4-55-334-01761) including drilling tapping and slotting etc.. Casting to be collected from stores	QP:No:FAN:302
200	D82M	Complete machining of Bearing Housing as per drg (0-55-514-00598 0-55-335-00807 0-55-214-00869 0-55-334-00857 or equivalent) including drilling and tapping.SR completed castings to be collected from shop	QP:No:FAN:302
201	D82N	Complete machining of Bearing Housing as per drg (1-55-216-00473 0-55-215-00968 0-55-334-00942 or equivalent) including drilling and tapping SR completed castings to be collected from shop	QP:No:FAN:302
202	D82P	Complete machining of Bearing Housing as per drg (0-55-335-01067 or equivalent) including drilling and tapping SR completed castings to be collected from shop	QP:No:FAN:302
203	D83A	Machining of FLANGE BEARING HOUSING ID DIA UPTO 200 MM to Drg. 1-55-124-00038/09/00, OR Equivalent.	QP:No:FAN:302
204	D83B	Machining of FLANGE BEARING HOUSING ID DIA > 200 MM UPTO 275 MM	QP:No:FAN:302
205	D84A	Machining of BEARING CASE ID UPTO 240 MM to Drg. 2-55-124-00045/04/00, OR Equivalent.	QP:No:FAN:302
206	D84B	Machining of BEARING CASE ID morethan 240 MM	QP:No:FAN:302

207	D85A	Machining of BEARING LID ID UPTO 215 MM for Drg.No:- 20-A-106-011	QP:No:FAN:302
208	D85B	Machining of BEARING LID ID > 215 MM UPTO 280 for Drg.No:- 10-A-007-008	QP:No:FAN:302
209	D85C	Machining of BEARING LID ID > 280 MM UPTO 350 MM for Drg.No:- 10-A-007-008	QP:No:FAN:302
210	D85D	Machining of INNER BEARING BUSH Rough Machining to Drg. 3-55-125-00284/02/00, OR Equivalent.	AS PER DRG
211	D86A	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID UPTO 50 MM 4-55-335-01658	AS PER DRG
212	D86B	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 50 MM UPTO 120 MM	AS PER DRG
213	D86C	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 120 MM UPTO 195 MM	AS PER DRG
214	D86D	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 195 MM UPTO 205 MM	AS PER DRG
215	D86E	Machining of RINGS/GREASE CONTROL RINGS/SPACER RINGS/DISTANCE RING OF ID > 205 MM UPTO 250 MM	AS PER DRG
216	D89	COMPLETE FABRICATION OF LIFTING STAY EXTENSION(NEW) AS PER DRAWING 35201002520 OR EQUIVALENT	AS PER DRG
217	DC11	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-214-00833/02	Q.W.I:No:F:002, AS PER DRG
218	DC12	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00881/02	Q.W.I:No:F:002, AS PER DRG
219	DC13	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00892/04	Q.W.I:No:F:002, AS PER DRG
220	DC14	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-215-00901/01	Q.W.I:No:F:002, AS PER DRG
221	DC19	Fabrication of CORE ALONE OF DIFFUSER DRG.1-55-335-00877/01	Q.W.I:No:F:002, AS PER DRG
222	DC21	Fit-Up Charges For Assembling Of Diffuser-Core with Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is Less Than 2000 Kg Drg.No:- 0-55-213-00789	Q.W.I:No:F:002, AS PER DRG
223	DC22	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (including Tack-welding-of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 2000 Kg	Q.W.I:No:F:002, AS PER DRG
224	DC23	Fit-Up Charges For Assembling Of Diffuser-Core With Shell (Including Tack-Welding-Of-Foot) Where The Total Net-Weight Of Item Handled For Fitting Is More Than 4.00 MT	Q.W.I:No:F:002, AS PER DRG
225	DC25	Fabrication Of Core Alone Of Diffuser Drg. 0-55-227-01204	Q.W.I:No:F:002, AS PER DRG
226	DC26	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01077	Q.W.I:No:F:002, AS PER DRG
227	DC27	Fabrication Of Core Alone Of Diffuser Drg.0-55-228-01146	Q.W.I:No:F:002, AS PER DRG
228	DE1H	Machining of EP SHAFT WITH OUT KEY WAY(Length upto 3Mtr) for Drg.No:- 3-78-509-01170	AS PER DRG
229	DE1K	Machining of EP SHAFT WITH OUT KEY WAY(Length 3 Mtr to 4Mtr)	AS PER DRG
230	DE1M	Machining of EP SHAFT WITH OUT KEY WAY(Length 4Mtr to 5 Mtr)	AS PER DRG
231	DE1N	Machining of EP SHAFTS WITH KEY WAY(Length upto 3Mtr) Drg.No:- 6-17-20171 6-17-20172	AS PER DRG

232	DE1P	Machining of EP SHAFTS WITH KEY WAY(Length 3Mtr to 4Mtr)	AS PER DRG
233	DE1R	Machining of EP SHAFTS WITH KEY WAY(Length 4Mtr to 5 Mtr)	AS PER DRG
234	DE2A	Fabrication and Machining of FDN BOLTS M20 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04512	AS PER DRG
235	DE2B	Fabrication and Machining of FDN BOLTS M27 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04509	AS PER DRG
236	DE2C	Fabrication and Machining of FDN BOLTS M36 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04506	AS PER DRG
237	DE2D	Fabrication and Machining of FDN BOLTS M45 all variants (WITHOUT PAINTING) Drg.No:- 3-56-000-04508	AS PER DRG
238	DS11	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-214-00833/02	Q.W.I.No:F:002, AS PER DRG
239	DS12	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00881/02	Q.W.I.No:F:002, AS PER DRG
240	DS14	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-215-00901/01	Q.W.I.No:F:002, AS PER DRG
241	DS15	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00918/03	Q.W.I.No:F:002, AS PER DRG
242	DS19	Fabrication of SHELL ALONE OF DIFFUSER DRG.1-55-335-00877/01	Q.W.I.No:F:002, AS PER DRG
243	DS25	Fabrication Of Shell Alone Of Diffuser Drg. 0-55-227-01204	Q.W.I.No:F:002, AS PER DRG
244	DS26	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01077	Q.W.I.No:F:002, AS PER DRG
245	DS27	Fabrication Of Shell Alone Of Diffuser Drg.0-55-228-01146	Q.W.I.No:F:002, AS PER DRG
246	DS29	Fabrication Of Shell Alone Of Diffuser Drg.0-55-335-01127	Q.W.I.No:F:002, AS PER DRG
247	E44	Recovery Rate for Turnings and Borings scrap of CS/AS	
248	E45	Recovery Rate for Turnings and Borings scrap of SS Non magnetic Non Ferrous	
249	E46	Recovery Rate for Turnings and Borings Scrap of Stainless Steel- Magnetic	
250	EF01	Fabrication and Machining of FRAME I AND IV MADE OUT OF SHEET Drg.No:- 1-79-020-00459	AS PER DRG
251	EF02	COMPLETE FABRICATION OF MODIFIED FRAME II-(40 SHEETS) AS PER DRAWING 17902004231 OR EQUIVALENT.RAW MATERIAL TO BE COLLECTED FROM STORES	AS PER DRG
252	EV01	Fabrication and Machining of EXCHANGEABLE VANE for Drg.No:- 3-55-124-00060	AS PER DRG
253	F64B	Fabrication and Machining of DIAGONAL STAY to drg. 37903200467/02 or equivalent. Rate per No. is applicable for all lengths	AS PER DRG
254	F64C	Fabrication and Machining of LIFTING HOLDER HANGER ASSY WITH NUTS SUPPLIED BY BHEL) Drg.No:-3-79-021-01244	AS PER DRG
255	F64H	Fabrication of SUSPENSION ROD for Drg.No:- 3-79-021-00245	AS PER DRG
256	F64I	COMPLETE FABRICATION OF LIFTING PIN AS PER DRAWING 45204103814 OR EQUIVALENT	AS PER DRG

257	F64J	COMPLETE MACHINING OF SHAFT ROD AS PER DRAWING 35204102529 OR EQUIVALENT	AS PER DRG
258	F64K	COMPLETE MACHINING OF SLEEVE ASSY AS PER DRAWING 35204102530 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	AS PER DRG
259	F64L	COMPLETE MACHINING OF SEALING ASSY AS PER DRAWING 25204103282 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	AS PER DRG
260	F64M	COMPLETE MACHINING OF LIFTING ROD AS PER DRAWING 35204105231 OR EQUIVALENT.REQUIRED ROD SIZES WILL BE SUPPLIED FROM SHOP	AS PER DRG
261	F67B	Fabrication of BEARING PEDESTAL BASE FRAME Drg.No:-0-56-226-00364 1-56-228-02844	PR:QA::500,Q.W.I.No:F:315, AS PER DRG
262	F67C	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE UPTO 2 MT Drg.No:- 0-55-213-00788	Q.W.I.No:2.4.274
263	F67E	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 2 MT UPTO 4 MT Drg.No:- 0-55-215-00900	Q.W.I.No:2.4.274
264	F67F	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 2 MT UPTO 4 MT Drg.No:- 0-55-215-00900	Q.W.I.No:2.4.274
265	F67L	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 6.5 UPTO 8.50 MT	Q.W.I.No:2.4.274
266	F67M	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 6.5 UPTO 8.50 MT Drg.No:- 0-55-215-01233	Q.W.I.No:2.4.274
267	F67N	Fabrication and Machining of SUCTION CHAMBER WITHOUT OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT Drg.No:-	Q.W.I.No:2.4.274
268	F67P	Fabrication and Machining of SUCTION CHAMBER WITH OBLIQUE CONE ABOVE 8.50 UPTO 10.50 MT	Q.W.I.No:2.4.274
269	F67T	TRAIL ASSY OF SUCTION CHAMBER including Foot fitup (Intermediate shaft cover / Shaft Protecting Tube which will be supplied by BHEL)	Q.W.I.No:2.4.274 , AS PER DRG
270	FC10	% EXTRA FOR DOUBLE CONE Drg.No:- 1-56-114-04362	Q.W.I.No:2.4.274 , AS PER DRG
271	FC60	CC PL Fabn up to 100 KGS (WSTE Matl) Drg.No:- 2-56-134-00045	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
272	FC61	CC PL Fabn up to 100-150 KGS (WSTE Matl)	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
273	FC62	CC PL Fabn up to 150-200 KGS (WSTE Matl)	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
274	FC63	CC PL Fabn up to 200-250 KGS (WSTE Matl)	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
275	FC64	CC PL Fabn up to 250-300 KGS (WSTE Matl)	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
276	FC65	CC PL Fabn above 300 Kgs upto 500 Kgs. (WSTE Matl.)	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
277	FC66	CC PL Machining for OD 700 Drg.No:- 3-56-133-03964	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
278	FC67	CC PL Machining for OD 700 TO 800	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
279	FC68	CC PL Machining for OD 800-1230	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
280	FC69	CC PL Machining for OD 1230 TO 1500	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
281	FC70	CC PL Machining for OD 1500 TO 1895	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
282	FC71	CC PL Machining for OD 1895 to 2500	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
283	FC78	CC PL Machining for OD ABOVE 2500 and UPTO 3000	PR:QA::500,Q.W.I.No:F:317, AS PER DRG
284	FD03	Machining of BRG HOUSING Drg.No:- 4-56-115-01874	AS PER DRG
285	FD13	Machining of LEVER BOSS EXCEPT KEYWAY Drg.No:- 4-56-132-02649	Q.W.I.No:F:343, AS PER DRG
286	FD20	Machining of PIN I AND II Drg.No:- 4-56-132-02653 4-56-13202654	Q.W.I.No:F:343, AS PER DRG
287	FD30	Machining of HEXAGONAL NUT RH 45512400178/02 45511200645 OR EQUIVALENT	AS PER DRG

288	FD31	Machining of HEXAGONAL NUT LH 45611500368/01 OPSKFAN0124 or equivalent	AS PER DRG
289	FD34	SHAFT FINAL Machining (DIA 63 L 270) including KEY way Drg.No:- 3-56-115-02701	Q.W.I.No:FAN:343,AS PER DRG
290	FD38	SHAFT FINAL Machining (DIA 63 L 150) including KEY way Drg.No:- 3-56-115-02702	Q.W.I.No:FAN:343,AS PER DRG
291	FD40	Machining of FLAP FLANGE MORE THAN DIA 160 MM Drg.No:- 4-56-228-03055	AS PER DRG
292	FD44	Machining of Bearing Housing To Drg. 25622700499 25625500052 Or Equivalent.Complete machining as per Drg . Casting will be collected from Shop	AS PER DRG
293	FD45	Fabrication and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm without Flange Plate Drg.No:- 2-56-115-01381	Q.W.I:FAN:343,366, AS PER DRG
294	FD46	Fabrication and Machining of Lever I AND II without Keyway Boss Dia upto 100 mm with Flange Plate	Q.W.I:FAN:343,366, AS PER DRG
295	FD48	Fabrication and Machining of Lever I AND II without Keyway Boss Dia more than 100 mm with flange plate	Q.W.I:FAN:343,366, AS PER DRG
296	FD50	Fabrication and Machining of Lever Plate to 56 PGMA for Drg.No:- 2-56-115-01381	Q.W.I:FAN:343,366, AS PER DRG
297	FG01	TOE GRINDING OF IMPELLER (less than 2 MT) Drg.No:- 0-55-126-00647	AS PER DRG
298	FG02	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES (less than 2 MT) Drg.No:- 0-55-126-00647	AS PER DRG
299	FG03	TOE GRINDING OF IMPELLER-extra rate payable for every one MT more than 2 MT FOR JOBS LOADED UNDER FG01	AS PER DRG
300	FG04	GENERAL GRINDING OF IMPELLER EDGE PREPERATION /SMOOTH GRINDING OF BLADES AND WEAR PLATES -extra rate payable for every one MT more than 2 MT FOR JOBS LOADED UNDER FG02	AS PER DRG
301	FM01	Machining of 11 SIZE CYLINDER ASSY Drg.No:- 1-55-214-00423	QP:No:FAN:333
302	FM02	Machining of 12 SIZE CYLINDER ASSY Drg.No:- 2-55-335-00746	QP:No:FAN:333
303	FM03	Machining of 16 SIZE CYLINDER ASSY Drg.No:- 1-55-216-00439	QP:No:FAN:333
304	FN61	CC PL Fabrication up to 100 KGS (Naxtra Matl) Drg.No:- 2-56-134-00752	PR:QA:500,Q.W.I.No:FAN:317, AS PER DRG
305	FN62	CC PL Fabrication up to 100-150 KGS (Naxtra Matl)	PR:QA:500,Q.W.I.No:FAN:317, AS PER DRG
306	FP01	Manufacture of Fixing Pin of Length upto and including 250 mm Drg.No:- 6-16-00130	AS PER DRG
307	FP02	Manufacture of Fixing Pin of Length above 250 mm Drg.No:- 6-16-00130	AS PER DRG
308	FP05	Machining pre-grinding chrome plating and post grinding of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). Fabricated piston after MPI to be collected from shop. For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	QP:No:FAN:327

309	FP06	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 11S and 12S (0-55-214-00387 and 1-55-335-00893). ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating	QP:No:FAN:327
310	FP07	Machining pre-grinding chrome plating and post grinding of Piston assy of 16S (0-55-216-00461) . Fabricated piston assy after MPI to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome plating.	QP:No:FAN:327
311	FP08	Fabrication with pre MPI SR and post MPI Machining pre-grinding chrome plating and post grinding Machining of Piston assy of 16S (0-55-216-00461) . ID /OD cut matl. for piston flange and piston rod to be collected from shop.For chrome plating BHEL approved sources available at Coimbatore Chennai and Bangalore only to be utilised. The rate inclusive of chrome plating and freight for chrome p	QP:No:FAN:327
312	FR02	Complete manufacture of Frame 2 as per Drg 1-79-020-02472	AS PER DRG
313	FS71	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 300 Raw Material Issued weight less than 500 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting charges under Rate Schedule FS 85 to	QP:No:FAN:345,346
314	FS72	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 300 Raw Material Issued weight above 500 Kg less than 1000 Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting charges under Rate S	QP:No:FAN:345,346
315	FS73	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 and up to 400 Raw Material Issued weight less than 1000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting charges under Rate Sch	QP:No:FAN:345,346
316	FS74	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 300 up to 400 Raw Material Issued weight above 1000 kgs up to 2000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting charges under R	QP:No:FAN:345,346

317	FS75	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia above 400 up to Less than 500 Raw Material Issued weight above 2000 kgs up to 3000Kg Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight. This is payable in addition to the one time setting charges	QP:No:FAN:345,346
318	FS76	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 500 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	QP:No:FAN:345,346
319	FS77	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 600 Raw Material Issued weight less than 4000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	QP:No:FAN:345,346
320	FS78	Rough Machining of Shaft Pins (both OD Turning AND ID Boring) to PG 55 AND 56 from Solid Rods Or Stepped Pins for Dia Less than 600 Raw Material Issued weight less than 5000Kg (Rate Payable for the work involved based on machining done ie. the difference between the issued weight and finished weight)(The rate of T-and-B Scrap generated is deductible from this rate)	QP:No:FAN:345,346
321	FS85	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight Less than 3000	QP:No:FAN:345,346,370
322	FS86	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight more than 3000 Kg and Less than 5000 Kg	QP:No:FAN:345,346,370
323	FS87	One Time Setting Charges payable in the cases of machining of Shaft Pins covered under Rate Schedule FS71 to FS80 for Weight more than 5000 Kg and Less than 10000 Kg.	QP:No:FAN:345,346,370
324	FW01	WEAR PLATE DRILLING UPTO THICK 8 MM Drg.No:- 2-56-124-04151	AS PER DRG
325	FW02	WEAR PLATE DRILLING MORE THAN THICK 8 MM AND UPTO 10 MM	AS PER DRG
326	GF01	Fabrication and Machining of BRACKET FOR GATES Drg.No:- 3-57-999-08161	AS PER DRG
327	GF04	Fabrication and Machining of CHAIN GUARD Drg.No:- 2-57-010-00215	AS PER DRG
328	GF11	Fabrication of Gate Frame Fabrication (upto 2 MT) Drg.No:- 1-57-460-00039 1-57-460-00047	AS PER DRG
329	GF12	Fabrication of Gate Frame Fabrication (above 2 MT up to 3 MT)	AS PER DRG
330	GF13	Gate Frame Fabrication (Above 3MT upto 4MT)	AS PER DRG
331	GF14	Fabrication of Slot Cover Drg.No:- 3-57-999-11913	AS PER DRG

332	GF17	Fabrication of Door Cover Assembly using Pressed Door cover issued free by BHEL Drg.No:- 6-17-20096	AS PER DRG
333	GF18	Gate Frame Fabrication (Above 4MT upto 6MT)	AS PER DRG
334	GF19	Forming of Door Cover by Pressing. Drg.No:- 6-17-20096	AS PER DRG
335	GM05	Machining of CHAIN PIN UPTO DIA 16 MM Drg.No:- 3-48-460-35791	AS PER DRG
336	GM06	Machining of CHAIN PIN ABOVE D16 UPTO DIA 22 MM	AS PER DRG
337	GM07	Machining of CHAIN PIN ABOVE D22 UPTO DIA 32 MM	AS PER DRG
338	GM22	Fabrication and Machining of ADJ/CO LINK ABOVE M16 UPTO M24 Drg.No:- 3-57-113-01100	AS PER DRG
339	GM23	Machining of ADJ/CO LINK ABOVE M24 UPTO M36	AS PER DRG
340	GM25	Machining of BRG HOLDER OD UPTO 50 MM	AS PER DRG
341	GM26	Machining of BRG HOLDER OD 51 TO 80 MM	AS PER DRG
342	GM27	Machining of BRG HOLDER OD 81 TO 125 MM Drg.No:- 4-48-013-35173	AS PER DRG
343	GM36	Machining BOSS WITHOUT KEY BORE ABOVE 51MM UPTO 90 MM	AS PER DRG
344	GM40	Machining of GLANDS ABOVE DIA 50 MM UPTO DIA 80 MM	AS PER DRG
345	GM41	Machining of GLANDS ABOVE DIA 80MM UPTO DIA 125 Drg.No:- 3-48-013-33559	AS PER DRG
346	GM42	Machining of GLANDS ABOVE DIA 125 UPTO DIA 165	AS PER DRG
347	GM48	Machining of KNUCKLE LH/RH ABOVE M16 UPTO M24 Drg.No:- 3-48-003-55854 3-48-003-55855	AS PER DRG
348	GM49	Machining of KNUCKLE LH/RH ABOVE M24 UPTO M36	AS PER DRG
349	GM51	Machining of KNUCKLE CENTRE UPTO M24 Drg.No:- 3-48-003-55856	AS PER DRG
350	GM52	Machining of KNUCKLE CENTRE ABOVE M24 UPTO M36	AS PER DRG
351	GM57	Machining of LINKAGE BRG HOLDER Drg.No:- 2-48-003-40623	AS PER DRG
352	GM67	Machining of GLAND PLATES AND FOLLOWER PLATES UPTO BORE DIA 85MM OF GLAND PLATE Drg.No:- 4-48-013-35943 4-48-013-35945	AS PER DRG
353	GM68	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 85 MM UPTO 105 MM OF GLAND PLATE	AS PER DRG
354	GM69	Machining of GLAND PLATES AND FOLLOWER PLATES BORE DIA > 105 MM UPTO 115 MM OF GLAND PLATE	AS PER DRG
355	GM74	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04635 - (ID 83 mm)	AS PER DRG
356	GM75	Machining of BLADE BLOCKS (DAMPERS) to Drg no 3-57999-04636 - (ID 95 mm)	AS PER DRG
357	GS30	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-490-01403	AS PER DRG
358	GS31	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-07173	AS PER DRG
359	GS32	GATE SHAFT MADE OUT OF TUBE DIA 273 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-00118	AS PER DRG
360	GS33	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-17045	AS PER DRG
361	GS34	GATE SHAFT MADE OUT OF TUBE DIA 273 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-15949	AS PER DRG
362	GS37	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-11943	AS PER DRG
363	GS38	GATE SHAFT MADE OUT OF TUBE DIA 219 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-14548	AS PER DRG
364	GS39	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-11327	AS PER DRG

365	GS40	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14549	AS PER DRG
366	GS41	GATE SHAFT MADE OUT OF TUBE DIA 219 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-480-07393	AS PER DRG
367	GS42	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length upto 3 Mtr Drg.No:- 3-57-460-01428	AS PER DRG
368	GS43	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-02616	AS PER DRG
369	GS44	GATE SHAFT MADE OUT OF TUBE DIA 159 (DRIVE)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-02099	AS PER DRG
370	GS45	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length upto 3 Mtr Drg.No:- 3-57-490-03493	AS PER DRG
371	GS46	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-14315	AS PER DRG
372	GS47	GATE SHAFT MADE OUT OF TUBE DIA 159 (IDLER)-Length above 4 Mtr to 5 Mtr Drg.No:- 3-57-490-07404	AS PER DRG
373	GS51	Complete manufacture of Drive Shaft Dia upto 200-Length upto 3 Mtr Drg.No:- 3-57-490-06389	AS PER DRG
374	GS52	Complete manufacture of Drive Shaft Dia upto 200 Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-490-16499	AS PER DRG
375	GS54	Complete manufacture of Idler Shaft Dia upto 200 -Length upto 3 Mtr Drg.No:- 3-57-490-16500	AS PER DRG
376	GS57	Complete manufacture of Drive Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15139	AS PER DRG
377	GS58	Complete manufacture of Drive Shaft Dia upto 110 -Length above 3 Mtr to 4 Mtr Drg.No:- 3-57-460-11919	AS PER DRG
378	GS60	Complete manufacture of Idler Shaft Dia upto 110 -Length upto 3 Mtr Drg.No:- 3-57-010-15140	AS PER DRG
379	GS64	Complete manufacture of Drive Shaft Dia upto 80 -Length above 3 Mtr to 4 Mtr	AS PER DRG
380	GS78	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length 500 to 650 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate) For Drg.No:- 4-57-423-05813	AS PER DRG
381	GS79	Machining Of Slave Shaft Including Keyway Except Drilling To PG 57 From Solid S.S Rods For Dia less than equal to 100 Mm and length above 650mm and up to 800 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-999-02148	AS PER DRG
382	GS80	Machining Of Stub Shaft Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 400mm to 500 MM (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). From Drg.No:- 4-57-999-02105	AS PER DRG
383	GS81	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length 800mm to 1000mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate).For Drg.No:- 4-57-223-04511	AS PER DRG

384	GS82	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1000mm and upto 1150mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Schedule (For SS) Applicable From This Rate). Drg.No:- 4-57-083-05509	AS PER DRG
385	GS83	Machining Of Drive Shaft Including Keyway Except Drilling To PG 57 From Solid SS Rods For Dia Less than or equal to 100 Mm and length above 1150mm and upto 1300mm (The Recovery Towards 100% Qty Of Turning And Boring As Per Respective Recovery Rate Sc Drg.No:- 4-57-383-03579	AS PER DRG
386	HB01	Horizontal Boring in Support Body-11 size (Rough Machining) Drg.No:- 1-55-214-00204	QP:No:FAN:330,338
387	HB02	Horizontal Boring in Support Body-12 size (Rough Machining) Drg.No:- 1-55-214-00890	QP:No:FAN:330,338
388	HM01	Machining of Spanner (Hexagonal Hollow Milling) Drg.No:- 6-17-20104	AS PER DRG
389	IC01	Machining of Impeller Cover as per drawing (2-55-214-00817 2-55-334-00978). Fabricated Material to be collected from shop	QP:No:FAN:329
390	IC02	Machining of Impeller Cover as per drawing (2-55-334-01035). Fabricated Material to be collected from shop	QP:No:FAN:329
391	IG08	HUB MACHINING TO DRG 20A106009 20A107024	Q.W.I.No:2.4.271
392	IG10	Fabriaction and Machining of BLADES FOR REGULATING GEAR UPTO DIA 2500 MM AND ALSO TO DRG:10A007002	Q.W.I.No:2.4.271
393	IG11	Fabriaction and Machining of BLADES WITH SHAFT FOR IG V UPTO 650 MM for Drg.No:- 2-56-114-03365	Q.W.I.No:2.4.271
394	IG12	Fabriaction and Machining of BLADES WITH SHAFT FOR IG V > 650 MM UPTO 1600MM for Drg.No:- 2-56-114-03365	Q.W.I.No:2.4.271
395	IG13	Fabriaction and Machining of BLADES SHAFTS FOR IG V ASSYS UPTO 1600MM DIA AND ALSO TO DRG:25512600212	Q.W.I.No:2.4.271
396	IG14	Fabriaction and Machining of IG V CONTROL LINK FOR IG V ASSYS DIA UPTO 1600MM AND ALSO TO DRG:25611302289/05 25611302190	Q.W.I.No:2.4.271
397	IG15	Fabriaction and Machining of REGULATING RING FOR IG V ASSYS DIA UPTO 1600MM Drg.No:- 2-55-112-00468	Q.W.I.No:2.4.271
398	IG16	Fabriaction and Machining of IG V SHAFT BUSH AND ALSO TO DRG:45512400144	AS PER DRG
399	IN01	Impeller Welding for Naxtra Matl. Fillet size upto 8 mm (with E11018 Electrode) Drg.No:- 1-56-114-03737	QP:No:FAN:336,337
400	IN02	Impeller Welding for Naxtra Matl. Fillet size 9 mm to 10 mm (with E11018 Electrode)	QP:No:FAN:336,337
401	IN03	Impeller Welding for Naxtra Matl. Fillet size 11mm to 12 mm (with E11018 Electrode)	QP:No:FAN:336,337
402	IN05	Impeller Welding for Naxtra Matl. Fillet size 15mm to 16 mm (with E11018 Electrode)	QP:No:FAN:336,337
403	IW01	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE UP TO 8 MM Drg.No:- 0-56-135-00679	QP:No:FAN:336,337
404	IW02	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 9 MM TO 10 MM	QP:No:FAN:336,337
405	IW03	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 11 MM TO 12 MM	QP:No:FAN:336,337

406	IW04	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 13 MM TO 14 MM	QP:No:FAN:336,337
407	IW05	IMPELLER WELDING (WITH E7018 ELECTRODE) FILLET SIZE 15 MM TO 16 MM	QP:No:FAN:336,337
408	KY01	Machining of Keys made out of Rod Dia < 16 length upto 100 mm	AS PER DRG
409	KY04	Machining of Keys made out of Rod Dia < 32 length upto 100 mm	AS PER DRG
410	KY05	Machining of Keys made out of Rod Dia < 32 length 100 - 150 mm	AS PER DRG
411	KY06	Machining of Keys made out of Rod Dia < 32 length 150 - 250 mm	AS PER DRG
412	KY07	Machining of Keys made out of Rod Dia < 50 length upto 100 mm	AS PER DRG
413	KY08	Machining of Keys made out of Rod Dia < 50 length 100- 150 mm	AS PER DRG
414	KY09	Keys made out of Rod Dia < 50 length 150 - 250 mm	AS PER DRG
415	KY10	Machining of Keys made out of Rod Dia < 80 length upto 100 mm	AS PER DRG
416	KY11	Machining of Keys made out of Rod Dia < 80 length 100 - 150 mm	AS PER DRG
417	KY12	Machining of Keys made out of Rod Dia < 80 length 150 - 250 mm	AS PER DRG
418	LF13	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-10	AS PER DRG
419	LF14	GLAND PLATE WITH THREADED DESIGN DRG NO:3-57-999-21980, 3-57-999-21981, VAR-11	AS PER DRG
420	LF15	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 83. (Studs supplied by BHEL)	AS PER DRG
421	LF16	Fabrication of Louvre/BiPlane Damper fabrication including Gland Plate and Follower Plate fabrication dia 95. (Studs supplied by BHEL)	AS PER DRG
422	MR01	Material removal u/operation done using Lathe by OD Turning (If example if Rod dia 25 is substituted by Rod Dia 40 this rate is applicable for the difference in weight. Ie. applicable for the portion of machiing done EXTRA than originally planned for))	AS PER DRG
423	MR02	Material removal u/operation done using Lathe by ID Boring (applicable for the portion of machiing done EXTRA than originally planned for)	AS PER DRG
424	MR03	Material removal u/operation done using Milling(applicable for the portion of machiing done EXTRA than originally planned for)	AS PER DRG
425	PA01	Machining of ADAPTOR FP 3/8 inch from BMC45 Rod D50 L25 to Drg.No. 45521400296/02(0.02 Kg/No.) or equivalent	AS PER DRG
426	PA10	Machining of ADJUSTING DISC FINISHED PART to Drg.No. 25533500749 or equivalent	AS PER DRG
427	PA20	Complete Machining of ADJUSTING LEVER R50 from unmachined casting to Drg.No. 25533400805 (0.4 Kg/No.) or equivalent	AS PER DRG
428	PA21	Machining of Adjusting lever to drg: 2-55-227-01740 or equivalent. Lever forgings to be collected from store.	AS PER DRG
429	PA22	Machining of Adjusting lever to drg:2-55-227-02044 or equivalent. Lever forgings to be collected from store.	AS PER DRG

430	PA23	Machining of Adjusting lever to drg:2-55-228-01604 or equivalent. Lever forgings to be collected from store.	AS PER DRG
431	PA24	Complete machining of ACTUATING RING from PI 32 as per drg 4-55-216-00978 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
432	PA25	Complete machining of CONNECTING COVER from PI 40 with dia 750-850mm as per drg 2-55-335-02164 or equivalent including drilling and tapping. Prepared material to be collected from shop. No drill jig will be issued from shop.	AS PER DRG
433	PA26	Complete machining of THRUST DISC from PI 120 with dia 350-450mm as per drg 2-55-335-01794 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
434	PA27	Complete machining of THRUST DISC from PI 55 with dia 550-650 mm as per drg 2-55-328-02073 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
435	PA28	Complete machining of THRUST DISC from PI 63 with dia 400-500mm as per drg 2-55-215-01625 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
436	PA29	Complete machining of THRUST DISC from PI 63 with dia above 500-650mm as per drg 2-55-227-01598 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
437	PA30	Machining of ADJUSTING ROD from SA105-Rod D63 L1100 to Drg.No. 25533500751 (20 Kg/No.) or equivalent	AS PER DRG
438	PA31	Complete machining of THRUST DISC from PI 90 with dia 350-450mm as per drg 1-55-215-01773, 2-55-216-02023 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
439	PA32	Complete machining of THRUST RING from PI 55 with dia 375-425 mm as per drg 3-55-215-01676, 2-55-335-01433 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
440	PA33	Complete machining of THRUST RING from PI 63 with dia 375-425 mm as per drg 2-55-216-01411 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
441	PA34	Complete machining of THRUST RING from PI 90 with dia 700-750mm as per drg 3-55-227-01927, 3-55-227-02192 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
442	PA35	Complete machining of SHAFT SPACER as per drg 3-55-335-01410 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
443	PA36	Complete machining of SPACER RING from PI 32 as per drg 4-55-227-02667 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG

444	PA37	Complete machining of SPACER RING from PI 63 as per drg 4-55-227-02766 or equivalent including drilling and tapping. Prepared material to be collected from shop.	AS PER DRG
445	PA38	Complete machining of tension ring/pre load ring from PI 63 including grinding,drilling, tapping,etc to drg 2-55-335-01316, 2-55-335-01317 or equivalent. OD, ID cut prepared material to be collected from shop.	AS PER DRG
446	PA39	Complete machining of THRUST DISC from PI 75 with dia 350-450mm as per drg 2-55-216-01410, 2-55-335-01603 or equivalent including drilling and tapping. Prepared material to be collected from shop.	PR:QA:500,Q.W.I.No:FAN:317, AS PER DRG
447	PA43	Machining of ARRESTING RING from SA105-Rod D200 L23 to Drg.No. 45521400256/04(1.7 Kg/No.) or equivalent	AS PER DRG
448	PA44	Machining of ARRESTING RING from SA105-Rod D200 L33 to Drg.No. 45521400480/03 (1.2 Kg/No.) or equivalent	AS PER DRG
449	PA60	Machining of Axial Roler Brg 51308 to Drg.No. 45521400315/02 (0.55 Kg/No.) or equivalent	AS PER DRG
450	PB01	Machining of Packing Box (tube supplied instead of Rod)Drg.No:- 6-17-20086	AS PER DRG
451	PB02	Machining of Packing Box (Rod) Drg.No:- 6-17-20086	AS PER DRG
452	PB10	Fabriaction and Machining of Bearing Cover-6007 From Sa193B7-Rod D80 L20 To Drg.No. 45533401761(0.15 Kg/No.) Or Equivalent	AS PER DRG
453	PB20	machining of BRG RACE-REWORK from Brg 51406-V ABN to Drg.No. 45533501662 (0.43 Kg/No.) or equivalent	AS PER DRG
454	PB30	BLADE SHAFT from 42CrMo4V-Rod D100 L350 to Drg.No. 15533401109(4.518 Kg/NO.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	AS PER DRG
455	PB31	BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803(1.15 Kg/No.) or equivalent (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY EXCEPT THREADING)	AS PER DRG
456	PB32	BLADE SHAFT MACHIING TO DRG 1-55-214-00986 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	AS PER DRG
457	PB33	BLADE SHAFT MACHIING TO DRG 1-55-214-01086 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	AS PER DRG
458	PB34	BLADE SHAFT MACHIING TO DRG 1-55-214-00172 (ROUGH MACHINED JOB WILL BE ISSUED BY BHEL AND THE SCOPE IS FOR FINAL MACHINING ONLY)	AS PER DRG
459	PB37	Complete machining of Blade Shafts 16 Size as per drawing 1-55-216-00435 including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	QP:No:FAN:332
460	PB38	Complete machining of Blade Shafts as per drawing (2-55-215-01031)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	QP:No:FAN:332

461	PB39	Complete machining of Blade Shafts as per drawing (1-55-334-01137)including grinding thread cutting key way cutting drilling and tapping etc.. Forged blade shaft with required machining allowance to be collected from STORES	QP:No:FAN:332
462	PB41	Complete machining of Blade shaft nut with thread size M100 including drilling, tapping, thread cutting, slotting etc to drg 3-55-228-01657 or equivalent. Forged nuts to be collected from stores.	AS PER DRG
463	PB42	Complete machining of Blade shaft nut with thread size M75 including drilling, tapping, thread cutting, slotting etc to drg 2-55-328-02066 or equivalent. Forged nuts to be collected from stores.	AS PER DRG
464	PB43	Complete machining of Blade Shafts with M35 thread and length 300-400mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 2-55-335-00748 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
465	PB44	Complete machining of lock nut with thread size M35 including drilling, tapping, thread cutting, slotting etc to drg4-55-335-001690 or equivalent. Rod dia 80 mm to be collected from stores.	AS PER DRG
466	PB45	Complete machining of lock nut with thread size M45 including drilling, tapping, thread cutting, slotting etc to drg 3-55-216-00501 or equivalent. Rod dia 100 mm to be collected from stores.	AS PER DRG
467	PB50	Machining of BUSH from D100 L65 to Drg.No. 35521400218/03 or equivalent	AS PER DRG
468	PB51	Machining of BUSH from Rod D100 L65 to Drg.No. 35533500950/01 (0.5 Kg/No.) or equivalent	AS PER DRG
469	PB52	Machining of BUSH from BMCQ45-Rod D100 L40 to Drg.No. 45521400267/05(0.28 Kg/No.) or equivalent	AS PER DRG
470	PB55	Machining of BUSH from Tube 127 x 20 L60 to Drg.No. 45521401274/02 (0.125 Kg/No.) or equivalent	AS PER DRG
471	PB56	BUSH from SA105-Rod 100 L35 to Drg.No. 45533501661(0.44 Kg/No.) or equivalent	AS PER DRG
472	PB58	Complete Manufacture of BLADE SHAFT NUT M45 X 1.5 from 42CrMo4V-Rod D100 L75 to Drg.No. 25533400803 25533401034 or equivalent.	AS PER DRG
473	PB59	Complete Manufacture of BLADE SHAFT NUT M55 X 2 and M52 X 2 from 42CrMo4V-Forging D130 L100 to Drg.No. 25521501032 25521601687 or equivalent.	AS PER DRG
474	PB60	Complete Manufacture of BLADE SHAFT NUT M90 X 2 from 42CrMo4V-Forging D200 L145 to Drg.No. 25522701790 or equivalent.	AS PER DRG
475	PB61	complete manufacture of bearing/disance bush from plate 75 to 90 mm simialar to Drg no 3-55-227-01649 or equivalent . ID, OD cut prepared material to be collected from shop	AS PER DRG
476	PB62	complete manufacture of bearing/disance bush from Rod dia 125 simialar to Drg no 3-55-215-01769 or equivalent . Raw material to be collected from stores	AS PER DRG
477	PB63	complete manufacture of bearing/disance bush from Rod dia 200 simialar to Drg no 3-55-328-02100 or equivalent . Raw material to be collected from stores	AS PER DRG

478	PB64	complete manufacture of bearing/distance bush with ID groove from plate 50 to 75 mm similar to Drg no 3-55-334-01173, 3-55-334-01009 or equivalent . ID, OD cut prepared material to be collected from shop	AS PER DRG
479	PB66	complete manufacture of Support ring and bearing covers from Rod dia 100 mm similar to Drg no 4-55-216-02268, 4-55-216-02261 or equivalent. Raw material to be collected from stores	AS PER DRG
480	PB67	complete manufacture of Support ring and bearing covers from Rod dia 125 to 145 mm similar to drawing 4-55-228-03063, 4-55-228-03056 or equivalent. Raw material to be collected from stores	AS PER DRG
481	PB68	complete manufacture of Support ring and bearing covers from Rod dia 80 mm similar to Drg no 4-55-335-02277 or equivalent. Raw material to be collected from stores	AS PER DRG
482	PB69	Complete machining of Blade Shafts with M100 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01806 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
483	PB70	Complete machining of Blade Shafts with M100 thread and length 800-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-228-01618 or equivalent. Forged blade shaft with required machining allowance t	AS PER DRG
484	PB71	Complete machining of Blade Shafts with M75 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-328-01870 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
485	PB72	Complete machining of Blade Shafts with M80 thread and length 600-700mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01682 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
486	PB73	Complete machining of Blade Shafts with M90 thread and length 600-800mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01872 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
487	PB74	Complete machining of Blade Shafts with M90 thread and length 800-900mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01713 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG
488	PB75	Complete machining of Blade Shafts with M90 thread and length 900-1000mm including grinding,thread cutting, key way cutting, drilling and tapping etc..similar to drawing 1-55-227-01929 or equivalent. Forged blade shaft with required machining allowance to	AS PER DRG

489	PB76	Complete machining of Push/Thrust rod of length 1000-1250 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01095 or equivalent. Forged rod to be collected from stores.	AS PER DRG
490	PB77	Complete machining of Push/Thrust rod of length above 1250 upto 1750 mm including grinding, thread cutting, drilling,etc to drg like 1-55-334-01138, 1-55-335-01615, 1-55-335-01717 or equivalent. Forged rod to be collected from stores.	AS PER DRG
491	PB78	Complete machining of Push/Thrust rod of length above 2000 upto 2500 mm including grinding, thread cutting, drilling,etc to drg 1-55-328-01878 or equivalent. Forged rod to be collected from stores.	AS PER DRG
492	PB79	Complete machining of SHAFT as per drg 1-55-227-01685 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	AS PER DRG
493	PC01	Fabriaction and Machining of COMPENSATING WT.(STEEL) 12HUB. to Drg.No. 35533500961(0.63 Kg/No) or equivalentNote: Indicate the deliverable quantity in numbers per month exclusively for this Rate Schedule. (Not withstanding the status of other jobs in hand).	AS PER DRG
494	PC10	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L110 to Drg.No. 35521600507(1.09 Kg/No) or equivalent	AS PER DRG
495	PC11	Fabriaction and Machining of CONNECTING PIECE from Rod D80 L95 to Drg.No. 35533500946 (1.5 Kg/No.) or equivalent	AS PER DRG
496	PC12	Fabriaction and Machining of CONNECTING PIECE from Rod D40 L75 to Drg.No. 35533500955 (1.0 Kg/No.) or equivalent	AS PER DRG
497	PC42	Complete manufacturing of Counter weight from forgings to thickness of 100mm with length 450-550 mm as per drawings like 2-55-227-01407 or equivalent. Forgings to be collected from store.	AS PER DRG
498	PC43	Complete manufacturing of Counter weight from forgings to thickness of 110mm with length 450-550 mm as per drawings like 2-55-227-01599 , 2-55-227-01847 or equivalent. Forgings to be collected from store.	AS PER DRG
499	PC44	Complete manufacturing of Counter weight from forgings to thickness of 120mm with length 500-600 mm as per drawings like 2-55-227-01873 , 2-55-227-01994 or equivalent. Forgings to be collected from store.	AS PER DRG
500	PC45	Complete manufacturing of Counter weight from forgings to thickness of 150mm with length 600-680 mm as per drawings like 3-55-228-01655, 3-55-228-02165 equivalent. Forgings to be collected from store.	AS PER DRG
501	PC46	Complete manufacturing of Counter weight from plate of thickness 120 mm as per drawings like 2-55-328-02060 or equivalent. Prepared material to be collected from shop.	AS PER DRG

502	PC47	Complete manufacturing of Counter weight from plate 40 mm with length 250-300 mm as per drawings like 3-55-334-02187 or equivalent. Prepared material to be collected from shop.	AS PER DRG
503	PC48	Complete manufacturing of Counter weight from plate 50 mm with length 200-250 mm as per drawings like 3-55-997-01683 or equivalent. Prepared material to be collected from shop.	AS PER DRG
504	PC49	Complete manufacturing of Counter weight from plate 50 mm with length 250-300 mm as per drawings like 3-55-216-01472, 4-55-216-02986 or equivalent. Prepared material to be collected from shop.	AS PER DRG
505	PC50	Complete manufacturing of Counter weight from plate 63 mm and length 250-350 mm as per drawing like 3-55-215-01527, 2-55-215-01699 or equivalent. Prepared material to be collected from shop.	AS PER DRG
506	PC52	Complete manufacturing of Counter weight from plate 75 mm and length 250-300 mm as per drawing like 3-55-216-01886 or equivalent. Prepared material to be collected from shop.	AS PER DRG
507	PC53	Complete manufacturing of Counter weight from plate 75 mm and length above 300 upto 350 mm as per drawing like 2-55-215-01626, 2-55-216-01801 or equivalent. Prepared material to be collected from shop.	AS PER DRG
508	PC54	Machining of Angular ring from pl 32 to drg no 4-55-215-02001 or equivalent. Prepared material to be collected from shop	AS PER DRG
509	PC55	Machining of holding ring from pl 50 to drg no 4-55-227-02679 or equivalent. Prepared material to be collected from shop	AS PER DRG
510	PC56	Complete manufacturing of Counter weight from plate 63 mm and length above 350 upto 400 mm as per drawing like 3-55-216-02059 or equivalent. Prepared material to be collected from shop.	PR:QA:500,Q.W.I.No:FAN:317, AS PER DRG
511	PD01	Machining of DISTANCE BUSH from SA193B7-Rod D100 L40 to Drg.No. 45533401759 (0.3 Kg/No.) or equivalent	AS PER DRG
512	PD10	Machining of DISTANCE RING from Rod D80 L70 to Drg.No. 35521400644/02 (0.74 Kg/No) or equivalent	AS PER DRG
513	PD60	Machining of DUMMY FLANGE from IS2062-Plate 5 x D150 to Drg.No. 45533501647/01 (0.694 Kg/No.) or equivalent	AS PER DRG
514	PD61	Complete machining of Connecting /Drive cover as per drg 2-55-334-01041 2-55-334-01037 or equivalent. Cut to size OD835 ID440 from plate 32/40mm will be issued	AS PER DRG
515	PD62	Complete machining of Thrust Disc including Key way as per drg 2-55-335-01319 or equivalent. Casting Dia 400 L175 will be issued.	AS PER DRG
516	PD63	Complete machining of Thrust Disc as per drg 2-55-215-01051 or equivalent. Plate Dia 420 L100 will be issued.	AS PER DRG
517	PD64	Complete machining of Drive Flange as per drg 2-55-335-01315 or equivalent. Forging Dia 570 L140 will be issued.	AS PER DRG

518	PF11	Machining of FIXING PIN DIA 10 X 20 from SA105-Rod 22 L35 to Drg.No. 45521601282(0.02 Kg/No.) or equivalent	AS PER DRG
519	PF12	Machining of FIXING PIN from IS2062 GrA D16 L30 to Drg.No. 45533501660 (0.015 Kg/No.) or equivalent	AS PER DRG
520	PF20	Machining of FLANGE from BMC16-Plate 32 D365 to Drg.No. 25521600316(2.05) or equivalent	AS PER DRG
521	PF22	Machining of FLANGE from BMC16-Plate 32x D165 to Drg.No. 45521600862(3.83 Kg/No.) or equivalent	AS PER DRG
522	PF23	Machining of FLANGE from P355NH-Plate 63 x D180 to Drg.No. 45533501669 (8.5 Kg/NO.) or equivalent	AS PER DRG
523	PF24	Machining of FLANGE 2 PARTS to Drg.No. 35521600927 or equivalent	AS PER DRG
524	PF25	Machining of FLANGE 2 PARTS from 2C35-Rod D250 L60 to Drg.No. 45521600972(7 Kg/No.) or equivalent	AS PER DRG
525	PF26	Machining of FLANGE -2PARTS from P355NH-Plate 63 x D180 to Drg.No. 45533501673 (6 Kg/No.) or equivalent	AS PER DRG
526	PF30	Machining of FORK from Rod D40 L70 to Drg.No. 35521400101/02 (0.26 Kg/No.) or equivalent	AS PER DRG
527	PH01	Machining of HEX SCREW M20X80 (RE WORK) from SA193B7-Rod D40 L100 to Drg.No. 45521600850(0.184 Kg/No.) or equivalent	AS PER DRG
528	PL01	Machining of LEVER BOSS D83 KEYWAY AND TAP to Drg.No. 35720301162 or equivalent	AS PER DRG
529	PL02	Complete Machining of LEVER to Drg.No. 25521400169/03 or equivalent	AS PER DRG
530	PL03	Complete Machining of LEVER to Drg.No. 25521600376 or equivalent	AS PER DRG
531	PL04	Complete Machining of LEVER to Drg.No. 35533500945 or equivalent	AS PER DRG
532	PL05	Complete Machining of ADJUSTING LEVER R50 to Drg.No. 25533400804 or equivalent	AS PER DRG
533	PL06	Complete machining of Lever as per drawing 2-55-215-01033 2-55-215-01460.Raw casting to be collected from stores	AS PER DRG
534	PL10	Machining of LIFTING EYE from BMC20-Plate 10x80x100 Plate 20 x D105 to Drg.No. 35521400119/01 (1.5 Kg/No.) or equivalent	AS PER DRG
535	PL20	Machining of LOCATING PIN D12x20 from SA193B7-rod 25 L30 to Drg.No. 45521401782(0.016 Kg/No.) or equivalent	AS PER DRG
536	PL30	Machining of LOCK KEY 3X10X16 from P355NH-Plate 5 to Drg.No. 45533401757 (0.004 Kg/No.) or equivalent	AS PER DRG
537	PL31	Machining of LOCKING NUT M30x1.5 from SA193B7-Rod D80 L37 to Drg.No. 25521400173/03 Drg.No. OPSKFAN00121 or equivalent	AS PER DRG
538	PN01	Machining of NUT from NUT M35x1.5 to Drg.No. 45533501690/01 (0.710 Kg/No.) or equivalent	AS PER DRG
539	PN02	Machining of NUT M35 X 1.5 to Drg.No. OPSfan00678 or equivalent	AS PER DRG
540	PP01	Machining of Oil Drain Branch To Drg.No. 35521600390 Or Equivalent	AS PER DRG
541	PP02	Machining of Oil Drain Branch To Drg.No. 35533500940 Or Equivalent	AS PER DRG
542	PP08	Machining of OIL SUPPLY HEAD to Drg.No. 25521400178 or equivalent	AS PER DRG

543	PP09	Machining of OIL SUPPLY HEAD to Drg.No. 35521600512 or equivalent	AS PER DRG
544	PP12	Machining of PLUG SCREW M48X1.5 from SA193B7-Rod D63 L45 to Drg.No. 45521601288 (0.5 Kg/No.) or equivalent	AS PER DRG
545	PP15	Machining of PRESSING RING to Drg.No. 35521600500/01 or equivalent	AS PER DRG
546	PP16	Machining of PRESSING RING to Drg.No. 35533500944 or equivalent	AS PER DRG
547	PP17	Rework of Bearing race of AP impellers as per drg 3-55-227-01862, 4-55-216-01019 or equivalent. Bearing race to be collected from shop.	AS PER DRG
548	PR01	Fabrication of PIN RACK BAR Drg.No:- 4-52-010-03299	AS PER DRG
549	PR06	Machining of RING from SA105 Rod D80 L10 to Drg.No. 45521400479/01 (0.01 Kg/No.) or equivalent	AS PER DRG
550	PR11	Machining of RING from SA105-Rod D165 L25 to Drg.No. 45521600973 (1.5 Kg/No.) or equivalent	AS PER DRG
551	PR12	Machining of RING from SA105-Rod 125 L30 to Drg.No. 45521600974 (0.4 Kg/No.) or equivalent	AS PER DRG
552	PR13	Machining of RING from SA105-Rod D125 L20 to Drg.No. 45521601016/01 (0.4 Kg/No.) or equivalent	AS PER DRG
553	PR14	Machining of RING from SA105-Rod80 L10 to Drg.No. 45533501645(0.01 Kg/No.) or equivalent	AS PER DRG
554	PR15	Machining of RINGD80x10 from SA105-Rod DIA 100 x 15 to Drg.No. 45533501658(0.23 Kg/No.) or equivalent	AS PER DRG
555	PR20	Complete machining of Thrust Ring I and II as per drg 2-55-335-01321 or equivalent. Cut to size Dia 390 from plate 55 mm will be issued.	AS PER DRG
556	PR21	Complete machining of Operating Ring as per drg 2-55-334-01040 or equivalent. Forging Dia 420 L120 will be issued.	AS PER DRG
557	PR22	Complete machining of Operating Ring as per drg 2-55-335-01322 or equivalent. Casting Dia 400 L200 will be issued.	AS PER DRG
558	PS01	Machining of SCR.PLUG M30X1.5 to Drg.No. 45521400474/02 (0.2 Kg/No.) or equivalent	AS PER DRG
559	PS02	Machining of SCREW PLUG from BMCQ45-Rod D16 L20 to Drg.No. 45521400277/02 (0.01 Kg/No.) or equivalent	AS PER DRG
560	PS03	Machining of SCREW PLUG 3/8 inch FP from Hex Screw M20x50 to Drg.No. 45521400469/03 (0.2 Kg/No.) or equivalent	AS PER DRG
561	PS06	Machining of SCREW PLUG M18X1 from BMCQ45-Rod D32 L45 to Drg.No. 45521400482/02 (0.05 Kg/No.) or equivalent	AS PER DRG
562	PS30	Machining of STOP RING from SA105-Rod 200 L25 to Drg.No. 45521600979 (1 Kg/No.) or equivalent	AS PER DRG
563	PS51	Machining of SUPPORT COVER from Sa193B7-Rod D80 L15 to Drg.No. 45533401762 (0.13 Kg/No.) or equivalent	AS PER DRG
564	PS54	Machining of SUPPORTING RING from SA105 Rod D165 L20 to Drg.No. 45521400475/01 (0.4 Kg/No.) or equivalent	AS PER DRG
565	PS64	complete machining of Cover of oil drain from PI 18 upto dia 110 mm to drg no 4-55-215-02699 or equivalent. Raw material to be collected from stores.	AS PER DRG

566	PS65	complete machining of Cover of oil drain from PI 18 with dia 110- 120 mm to drg no 4-55-216-02941 or equivalent. Raw material to be collected from stores.	AS PER DRG
567	PS66	complete machining of Cover of oil drain from PI 18 with dia above 120 upto 145 mm to drg no 4-55-328-03022 or equivalent. Raw material to be collected from stores.	AS PER DRG
568	PS67	complete machining of Cover of oil drain from PI 18 with dia above 145 mm upto 165mm to drg no 4-55-227-02761 or equivalent. Raw material to be collected from stores.	AS PER DRG
569	PS68	Complete machining of Lifting device from PI 50/55 including drilling and tapping. Drg like 3-55-215-02065, 3-55-334-02057, 3-55-215-02062, 3-55-215-01997 or equivalent. OD cut blanks to be collected from shop.	AS PER DRG
570	PS69	Complete machining of Lifting device from PI 75 including drilling and tapping. Drg like 3-55-328-02106 or equivalent. OD cut blanks to be collected from shop.	AS PER DRG
571	PS70	Complete machining of Lifting device from PI 90 including drilling and tapping. Drg like 3-55-227-01928, 3-55-227-02103 or equivalent. OD cut blanks to be collected from shop.	AS PER DRG
572	PS71	complete machining of oil drain from Rod Dia 110 to drg no 3-55-215-01848 or equivalent. Rod to be collected from stores.	AS PER DRG
573	PS72	complete machining of oil drain from Rod Dia 120 to drg no 3-55-216-02064 or equivalent. Rod to be collected from stores.	AS PER DRG
574	PS73	complete machining of oil drain from Rod Dia 160 to drg no 3-55-328-02108 or equivalent. Rod to be collected from stores.	AS PER DRG
575	PS74	complete machining of oil drain from Rod Dia 165 to drg no 3-55-227-01874 or equivalent. Rod to be collected from stores.	AS PER DRG
576	PS75	complete machining of Oil ring from PI32 including drilling and tapping to drg no 4-55-227-02668 or equivalent. Prepared material to be collected from shop.	AS PER DRG
577	PS76	complete machining of Oil ring from PI50 including drilling and tapping to drg no 4-55-227-02662 or equivalent. Prepared material to be collected from shop.	AS PER DRG
578	PT03	Machining of THRUST ROD NUT to Drg.No. 35533401012 or equivalent	AS PER DRG
579	PT04	Complete machining of Thrust Rod as per drg 2-55-335-01420 or equivalent. Forging Dia 160 L1800 will be issued.	AS PER DRG
580	R100	Poke Tube Assy (Economic cutting plan to be followed for example in drg. 6172-0147 a length of 1115 mm will be issued for two pieces to be cut at 45 Deg. for effective utilisation of material.)	AS PER DRG
581	R101	Fabrication and Machining of Support Bracket Drg.No:- 6-17-20153	AS PER DRG

582	R140	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg 1-55-335-00886 1-55-334-00975	QP:No:FAN:341
583	R141	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores . Drg.1-55-334-01135 1-55-335-01416	QP:No:FAN:341
584	R142	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-216-00399 1-55-215-01144	QP:No:FAN:341
585	R143	Complete machining of SHAFT as per drg including drilling thread cutting key way cutting etc.. Raw forging to be collected from stores. Drg.1-55-214-00985	QP:No:FAN:341
586	R145	Machining of Shaft with bearing assy (NDM 11 Type) drg. 1-56-171-01280/05 1-56-132-01497/01 type) as per drg/QWI	QP:No:FAN:352
587	R148	Complete machining of SHAFT as per drg 1-55-215-01704 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	QP:No:FAN:352
588	R149	Complete machining of SHAFT as per drg 1-55-216-01840 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	QP:No:FAN:352
589	R150	Complete machining of SHAFT as per drg 1-55-216-01889 or equivalent including drilling, thread cutting, keyway cutting etc.. Raw forging to be collected from stores.	QP:No:FAN:352
590	R151	Fabrication of COLD END BASKETS FULL SECTOR BASKETS Drg.No:- 2-52-010-00531 2-52-010-00532 2-52-010-00533 2-52-010-00534	AS PER DRG
591	R152	Fabrication of HOT END BASKETS Drg.No:- 2-52-010-00539 2-52-010-00540 2-52-010-00541 2-52-010-00542 2-52-010-00543	AS PER DRG
592	R153	Fabrication of CONTROL FRAMES I II AND III(SIDE / CENTRE) for Drg.No:- 2-56-228-02640	AS PER DRG
593	R157	Fabrication of HOT END HEATING ELEMENT BASKETS-MODIFIED DESIGN (representative Drg. 2-52-025-00140 where Rev-04 is for earlier Design and rev-05 is for modified design)	AS PER DRG
594	RS81	Machining of GLAND Drg.No:- 6-17-20093	AS PER DRG
595	RS82	Machining of PAD Drg.No:- 6-17-20077	AS PER DRG
596	RS84	Machining of BEARING Drg.No:- 6-17-20089	AS PER DRG
597	RS86	Fabrication and Machining of SUPPORTING FLANGE Drg.No:- 6-17-20159	AS PER DRG
598	RS87	Fabrication and Machining of ALIGNMENT JIG Drg.No:- 6-17-20091	AS PER DRG
599	RS88	Machining of ADJUSTING SCREW for Drg.No:- 3-79-013-00126	AS PER DRG
600	RS89	Machining of SLEEVE FOR THERMOSTAT Drg.No:- 6-17-20190	AS PER DRG
601	RS90	Machining of SHAFT - I Drg.No:- 6-17-20068	AS PER DRG
602	RS91	Machining of SHAFT - II for Drg.No:- 3-77-017-01853 and 3-78-517-02481	AS PER DRG

603	RS93	Machining of DRIVING SHAFT for Drg.No:- 4-55-215-01143	AS PER DRG
604	RS94	Machining of SHAFT Drg.No:- 6-17-20069	AS PER DRG
605	RS95	Fabrication and Machining of PIN WHEEL - I Drg.No:- 6-17-0087	AS PER DRG
606	RS96	Fabrication and Machining of PIN WHEEL - II Drg.No:- 6-17-0088	AS PER DRG
607	RS97	GRIP COUPLING Drg.No:- 6-17-20174	AS PER DRG
608	SF01	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING). Drg.No:- 0-52-041-00685	AS PER DRG
609	SF02	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) Drg.No:- 0-52-041-00681	AS PER DRG
610	SF03	FABRICATION OF INTERNALS (INCLUDING OUTBOARD-LINK AND BLOCK-ASSY ADJUSTER-BLOCK-ASSY SHIM-PACK ROLLER HINGE-PIN) FOR COLD END/HOT END SECTOR-PLATE-ASSY	AS PER DRG
611	SF04	FABRICATION OF SECTOR PLATE-COLD END- ASSY INCLUDING DRILLING TAPPING MACHINING OF SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING).EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS Drg.No:- 0-52-042-01659	AS PER DRG
612	SF05	FABRICATION OF SECTOR PLATE-HOT END- ASSY INCLUDING DRILLING TAPPING MACHINING SMALL COMPONENTS. IF NECESSARY HEAT CORRECTION (EXCLUDING HEAT TREATMENT BOTTOM PLATE MACHINING) .EXCLUDING FABRICATION OF INTERNALS BUT INCLUDING ASSEMBLY OF INTERNALS IS Drg.No:- 0-52-041-01637	AS PER DRG
613	SN01	CYLINDER NITRIDING 11 AND 12 Sizes- including Testing at approved lab Drg.No:- 1-55-214-00423 2-55-335-00746, Both way Transportation to BHEL Scope	QP:No:FAN:333
614	SN02	CYLINDER NITRIDING - 16 SIZE- including Testing at approved lab Drg.No:- 1-55-216-00439 1-55-216-00952, Both way Transportation to BHEL Scope	QP:No:FAN:333
615	SP06	Machining of Sector Plate Assy to various drg. Area per no. UPTO 4 Sq.Mtr (T AND B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining. Drg.No:- 0-52-041-00981	AS PER DRG
616	SP07	Machining of Sector Plate Assy to various drg. Area per no. morethan 4 Sq.Mtr UPTO 4.5 Sq.Mtr (T AND B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	AS PER DRG
617	SP08	Machining of Sector Plate Assy to various drg. Area per no. morethan 4.5 Sq.Mtr. UPTO 5 Sq.Mtr (T and B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	AS PER DRG
618	SP09	Machining of Sector Plate Assy to various drg. Area per no. morethan 5 Sq.Mtr. UPTO 5.5 Sq.Mtr (T and B recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	AS PER DRG

619	SP10	Machining of Sector Plate Assy to various drg. Area per no. morethan 5.5 Sq.Mtr (T andB recovery applicable at the rate of 15.71 Kg/Sq.Mtr)-Rate payable per Sq.Mtr of Machining.	AS PER DRG
620	TK01	Machining ofScrew Rod To Drg. 45500001067 45600001961 Or Equivalent	AS PER DRG
621	TK02	Machining of GUIDE RING to drg. 3550000660 45500001061 or equivalent	AS PER DRG
622	TK03	Fabriaction and Machining of FIXTURE FOR JEWEL BEARING AND ALSO TO DRG NO: 35500000519/01 35500000828 45500001123 45600001946 or equivalent	AS PER DRG
623	TK04	Fabrication and Machining of FIXTURE FOR LOCK NUT AND ALSO TO DRG NO:35500000520/01 35500000521 or equivalent	AS PER DRG
624	TK05	Machining of MANDREL AND ALSO TO DRG NO:45500001075 45600001957 OR EQUIVALENT	AS PER DRG
625	TK06	Machining of SCREW JACK AND ALSO TO DRG NO:35500000517 35600001596 OR Equivalent	AS PER DRG
626	TK07	machining of SCREW ROD to drg. 45500001067 45600001961 or equivalent	AS PER DRG
627	VT01	VTL Operation in Support Body-11 size Drg.No:- 1-55-214-00204	AS PER DRG
628	VT02	VTL Operation in Support Body-12 size Drg.No:- 1-55-335-00890	AS PER DRG
629	VT15	Complete machining of bearing housing drg no 0-55-227-01259 including all VTL operations, milling, drilling and tapping. Bearing housing castings to be collected from shop after heat treatment.	AS PER DRG
630	D82Q	Complete machining of Bearing Covers as per drg (2-55-216-00315 2-55-216-00317 1-55-215-01143) including drilling tapping and slotting etc.. Casting/Prepared material to be collected from shop.	QP:No:FAN:302
631	D82R	Complete machining of Bearing Covers as per drg (1-55-335-01417) including drilling tapping and slotting etc. <u>Casting/Prepared material to be collected from shop.</u>	QP:No:FAN:302
632	DC15	Fabrication of CORE ALONE OF DIFFUSER DRG.0-55-334-00918/03	Q.W.I:No:F:002, AS PER DRG
633	DC29	Fabrication Of Core Alone Of Diffuser Drg.0-55-335-01127	Q.W.I:No:F:002, AS PER DRG
634	DE2E	Fabrication and Machining of FDN BOLTS M63 and above all variants (WITHOUT PAINTING) Drg.No:- 3-79-080-01103	AS PER DRG
635	DS13	Fabrication of SHELL ALONE OF DIFFUSER DRG.0-55-334-00892/04	Q.W.I:No:F:002, AS PER DRG
636	GF20	FABRICATION OF FLOW DIVIDER 4-57-430-25346 or equivalent	AS PER DRG
637	PA61	Machining ofADJUSTING RING from P355NH-Plate 55xD300 to Drg.No. 35521401020(7.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
638	PA62	Machining of ADJUSTING RING from WSTE335-Plate 28 x 625 to Drg.No. 45521601040(20.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG

639	PA63	Machining of ADJUSTING RING from P355Nh-Plate 25 x D450 to Drg.No. 45533501685/01 (8 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
640	PB80	Machining of BRG COVER ASSY from P355NH-Plate 8 x D280 Plte 75x D390 to Drg.No. 15533400976(58 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
641	PB81	Machining of BUSH from WSTE36-Plate 90 x D185 to Drg.No. 45521600882/03 (1.87 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
642	PB82	Machining of BUSH from Naxtra70-Plate 40xD135 to Drg.No. 45521601018 (0.8 Kg/No) or equivalent. Prepared material will be issued from shop.	AS PER DRG
643	PB83	Machining of BUSH from P355NH-Plate 75 x D150 to Drg.No. 45533501688/01(3 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
644	PB84	complete manufacture of Support ring and bearing covers from Pl 18 mm with dia 110 to 125 mm similar to drawing 4-55-328-02991, 4-55-328-02994 or equivalent. Prepared material will be issued from shop.	AS PER DRG
645	PC57	Fabriaction and Machining of CONT.DISC RING from WSTE36-Plate 25x D450 to Drg.No. 45521400473/02 (8 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
646	PC58	Machining of COVER from P355NH-Plate 20 D230 to Drg.No. 35533500952 (4.1 Kg/No)or equivalent. Prepared material will be issued from shop.	AS PER DRG
647	PC59	Fabriaction and Machining of COUNTER WEIGHT from P355NH-Plate 40x85x210 to Drg.No. 35521401019 (2 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
648	PC60	COUNTER WEIGHT from P355NH-Plate 75x80x170 to Drg.No. 35533401158 (2.682) 35533401125 (2.682 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
649	PD65	Machining of DISTANCE RING from SA106GrB-Tube 177.8x22.2 L30 to Drg.No. 45521400242(0.74 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
650	PD66	Machining of DISTANCE RING from BMC20-Plate 25xD190 to Drg.No. 45521400244/01 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
651	PD67	Machining of DISTANCE RING from BMC20- Plate 16 x D225 to Drg.No. 45521400466/01 (1.46 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
652	PD68	Machining of DISTANCE RING from IS2062 Plate 8 x 110 to Drg.No. 45533501651 (0.163 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
653	PD69	Machining of DISTANCE RING from IS2062 GrA-Plate 20 x D230 to Drg.No. 45533501654 (1.231 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
654	PD70	Machining of Distance Ring from P355NH-Plate 40 x D190 to Drg. 45533401748 (1.8 Kg/No) or equivalent. Prepared material will be issued from shop.	AS PER DRG

655	PD71	Machining of Distance Ring from P355NH-Plate 16 x D180 to Drg. 45533501674 (1 Kg/No) or equivalent. Prepared material will be issued from shop.	AS PER DRG
656	PD72	Machining of DRIVE DISC from P355NH-Plate 50 x D620 to Drg.No. 15533500847(68.5 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
657	PD73	Machining of DRIVE DISC from Plate 50 x D610 to Drg.No. 15533500490(68.5. Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
658	PP18	Machining of OIL REJECT.RING from P355NH-Plate 18 x D280 to Drg.No. 45533401750 (1.4 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
659	PP19	Machining of OIL RING-I from P355NH-Plate 25x D184 to Drg.No. 45521401774(0.6 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
660	PP20	Machining of OIL RING-II from P355NH-Plate 25 x D240 to Drg.No. 45521401778(1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
661	PP21	Machining of OIL SKID RING from P355Nh-Plate 18 x D210 to Drg.No. 45533401749 (0.9 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
662	PP22	Machining of PRE LOAD RING -I to Drg.No. 35533401008 PRE LOAD RING -II Drg.No. 35533401007 or equivalent. Prepared material will be issued from shop.	AS PER DRG
663	PR23	Machining of Ring To Drg.No. 45521400268 Or Equivalent. Prepared material will be issued from shop.	AS PER DRG
664	PR24	Machining of RING BMC16-Plate 56x D175 to Drg.No. 45521400467/03 (4.3 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
665	PR25	Machining of Ring 16 D 263 Tr 235X4 To Drg.No. 45521600832 Or Equivalent. Prepared material will be issued from shop.	AS PER DRG
666	PR26	Machining of RING to Drg.No. 45521600971 or equivalent. Prepared material will be issued from shop.	AS PER DRG
667	PR27	Machining of RING from P355NH-Plate 16 x 120 to Drg.No. 45533501666(0.30 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
668	PR28	Machining of RING-I to Drg.No. 45521401773/01 or equivalent. Prepared material will be issued from shop.	AS PER DRG
669	PR29	Machining of Ring-II From P355Nh-Plate 25 X 158 To Drg.No. 45521401769 (0.5 Kg/No.) Or Equivalent. Prepared material will be issued from shop.	AS PER DRG
670	PR30	Machining of RING-III from 42CrMo4 Plate 25 x D140 to Drg.No. 45521401770 (1.7 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
671	PR31	Machining of RING to Drg.No. 35533500939 or equivalent. Prepared material will be issued from shop.	AS PER DRG
672	PS80	Machining of SPACER to Drg.No. 35533401013 or equivalent. Prepared material will be issued from shop.	AS PER DRG

673	PS81	Machining of SPLASH RING to Drg.No. 45521600849 or equivalent. Prepared material will be issued from shop.	AS PER DRG
674	PS82	Machining of SPLASH RING from IS2062-Plate 32 x D270 to Drg.No. 45533501653/01 (2.264 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
675	PS83	Machining of STOP RING from P355NH-Plate 25 x D180 to Drg.No. 45533501664 (1.1 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
676	PS84	Machining of STOP RING from P335NH-Plate 20 x D180 to Drg.No. 45533501665 (1 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
677	PS85	Machining of SUPPORTING RING to Drg.No. 45521600970 or equivalent. Prepared material will be issued from shop.	AS PER DRG
678	PS86	Machining of SUPPORTING RING from IS2062-Plate 16 x D225 to Drg.No. 45533501649 (0.203 Kg/No.) or equivalent. Prepared material will be issued from shop.	AS PER DRG
679	PS87	Machining of SUPPORT RING to Drg.No. 45521600831 or equivalent. Prepared material will be issued from shop.	AS PER DRG
680	TU01	TU 7X2 CUT TO LENGTH 78MM FOR EMITTING ELECTRODE	AS PER DRG

Section XI

BHEL/BAP/Ranipet ::: OS-LDPP-ARC-2022-23 :::

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LIST OF RATE SCHEDULE FOR WHICH TURNING & BORING RECOVERY IS NOT APPLICABLE

SI	Rs-No	RS-Short Description	SI	Rs-No	RS-Short Description
1	157M	GB Spool, Static/Stationary Spool	41	D21B	Sealing For Imp. For Od 1.5 Mtr- 2.5 Mtr
2	157N	Reducer Base, Drive Base, Base Frame	42	D21C	Sealing For Imp. For Od 2.5 Mtr-3.5 Mtr
3	AC02	Worm Gear Assembly	43	D21E	Sealing For Imp. For Od Upto 1 Mtr
4	AF03	Axial Seal Plate	44	D23A	Seals Upto 2.5 Mm Ordinary Type
5	AF04	Seal Access Door	45	D23B	Seals Above 2.5 Mm Ordinary Type
6	AF06	Grating Assembly-Corten A	46	D23C	Seals Upto 2.5 Mm Spot Welded Type
7	AF07	Grating (Pressing)	47	D23D	Seals Above 2.5 Mm Spot Welded Type
8	AF08	Grating Assembly-Flats Conv. Done	48	D27	U Guide
9	AF09	Grating Assembly-Flat Conv.Not Done	49	D28	Reinforcement
10	AM01	Basket Prot Sheet	50	D30	Pin Space Gauge
11	AM03	Guide Trun Guard	51	D32	Pin Rack Setting Screw
12	AM06	Clamp To 52 PGMA	52	D34	Circm Seal Setting Wedge
13	AM18	Seal Ring Retainer	53	D35	Circm Seal Angle Spanner
14	AM19	Aluminium Seal Ring Upto Dia 500 Mm	54	D41	Basket Wedge
15	AM30	Clip	55	D58	Dipstick Assy
16	AM39	Seal Adj Bar	56	D59	T-Bars , Rotor Angle, Bye Pass Seal Angle
17	AM48	Sta Spool Supt Ring Machining	57	D60	Circumferential Seal With Sup
18	AM50	Brass Packing Cover (2 Halves)	58	D64	Pinion Cover Assy
19	AP13	Piston Assy Fabn 11 (Scope Code 23)	59	D66A	Inlet Cone Assy (Fab+M/C < 500 Mm)
20	AP14	Piston Assy Fabn 12 (Scope Code 23)	60	D66B	Inlet Cone Assy (Fab+M/C 501-1000 Mm)
21	AP22	Fabrication Of Shaft Protecting Tube	61	D66C	Inlet Cone Assy(Fab+M/C1000-1500Mm)
22	AP23	Fabrication Of Hub Front Part	62	D68	Oil Circulation Unit
23	D02C	Light Fab, M/Cing 100 Kgs To 250 Kgs	63	D69	Core Cover Plate
24	D02D	Lifting Beam(Esp)	64	D71	Supp.Brg Hsg Cover Fabn & M/C Ing
25	D02E	Light Fab, M/Cing 2 Kgs To 10 Kgs	65	D74	Hook
26	D02F	Light Fab, M/Cing Unit Wt Upto 2 Kgs	66	D74A	Shock Iron
27	D02K	Light Fab, M/Cing 10 Kgs To 50 Kgs	67	D74B	Guide
28	D02L	Light Fab, M/Cing 50 Kgs To 100 Kgs	68	D75	Articulated Fork
29	D05A	Pipe Clamps Upto 2"	69	D75A	Articulated Piece
30	D05C	Pipe Clamps Above 2" And Upto 3"	70	D77	Bearing Pedestal 2-56-171-01314
31	D09	Caf Gaskets To Varous Size / Shape	71	D80A	Bearing Housing Id Upto Dia 200Mm
32	D16	Observation Port Assy	72	D80B	Brg Hsg Id Dia > 200 Mm Upto 300 Mm
33	D17	Oil Carry Over Detector	73	D80C	Brg Hsg Id Dia > 300 Mm Upto 400 Mm
34	D20B	Circ Exp.Joints For Dia Upto 1000Mm	74	D81A	Split Type Brg Hsg Id Dia Upto 250 Mm
35	D20C	Circ Exp. For Dia 1000Mm To 2000Mm	75	D81B	Split Type Brg Hsg Id Dia > 250 Mm Upto 400 Mm
36	D20D	Circ Exp. For Dia 2000Mm To 4000Mm	76	D82A	Brg Hsg Cover Id Dia Upto 310 Mm
37	D20E	Rect. Exp. Joints < 2 Sq.Mtr)	77	D82B	Brg Hsg Cover Id Dia 310 Mm 410 Mm
38	D20F	Rect. Exp.Joints Area 2 To 4 Sq.Mtr)	78	D82C	Brg Hsg Cover Id Dia 410 Mm 500 Mm
39	D20G	Rect. Exp. Joints Area 4 Sq.Mtr Upto 8 Sq.Mtr)	79	D83A	Flange Brg Hsg Id Dia Upto 200 Mm
40	D21A	Sealing For Imp. For Od 1 Mtr To 1.5 Mtr	80	D83B	Flange Brg Hsg Id Dia 200 To 275 Mm

Section XI					
BHEL/BAP/Ranipet ::: OS-LDPP-ARC-2022-23 :::			Enquiry 661001E Dt.10.01.2022 ::: PAGE: 02 / 02		
LIST OF RATE SCHEDULE FOR WHICH TURNING & BORING RECOVERY IS NOT APPLICABLE					
SI	RS-No	RS-Short Description	SI	RS-No	RS-Short Description
81	D84A	Brg Case Dia Upto 240 Mm	121	FN71	CC PI Fabn 250-300 Kgs (Naxtra)
82	D84B	Brg Case Dia > 240 Mm Upto 300 Mm	122	FN72	CC PI Fabn 300-500 Kgs. (Naxtra .)
83	D85A	Bearing Lid Id Upto 215 Mm	123	FN73	CC PI Fabn 500 -750 Kgs. (Naxtra)
84	D85B	Bearing Lid Id > 215 Mm Upto 280	124	FN74	CC PI Fabn Morethan 750 Kgs. (Naxtr)
85	D85C	Bearing Lid Id > 280 Mm Upto 350 Mm	125	FP01	Fixing Pin Of Length Upto 250 Mm
86	D85D	Inner Brg Bush	126	FP02	Fixing Pin Of Length Above 250 Mm
87	EF01	Frame I & Iv Made Out Of Sheet	127	FW01	Wear Plate Drilling Upto 8 Mm
88	EV01	Exchangeable Vane	128	GF01	Bracket For Gates
89	FC10	% Extra For Double Cone	129	GF04	Chain Guard
90	FC60	CC PI Fabn Up To 100 Kgs (Wste Matl)	130	IG08	Hub Machining
91	FC61	CC PI Fabn Up To 100-150 Kgs (Wste Matl)	131	IG10	Blades For Regulating Gear
92	FC62	CC PI Fabn Up To 150-200 Kgs (Wste Matl)	132	IG11	Blades With Shaft For Igv < 650 Mm
93	FC63	CC PI Fabn Up To 200-250 Kgs (Wste Matl)	133	IG12	Blades With Shaft For Igv 650-1600Mm
94	FC64	CC PI Fabn Up To 250-300 Kgs (Wste Matl)	134	IG14	Igv Control Link For Igv Assys Dia Upto 1600Mm
95	FC65	CC PI Fabn Above 300 Kgs Upto 500 Kgs. (Wste Matl.)	135	IG15	Regulating Ring For Igv Assys Dia Upto 1600Mm
96	FC73	CC PI Fabn Up To 100-150 Kgs (Wste Matl)	136	IG16	Igv Shaft Bush
97	FC74	CC PI Fabn Up To 150-200 Kgs (Wste Matl)	137	IN01	Impeller Welding Fillet Size Upto 8 Mm
98	FC75	CC PI Fabn Up To 200-250 Kgs (Wste Matl)	138	IN02	Impeller Welding Fillet Size 9 Mm To 10 Mm
99	FC76	CC PI Fabn Up To 250-300 Kgs (Wste Matl)	139	IN03	Impeller Welding Fillet Size 11 Mm To 12 Mm
100	FC77	CC PI Fabn Above 300 Kgs Upto 500 Kgs. (Wste Matl.)	140	IN04	Impeller Welding Fillet Size 13 Mm To 14 Mm
101	FD05	Shaft I Item-02 Flange M/Cing Except Drilling	141	IN05	Impeller Welding Fillet Size 15 Mm To 16 Mm
102	FD15	Flap Pad	142	IW01	Impeller Welding Fillet Size Upto 8 Mm
103	FD44	Bearing Housing (Big)	143	IW02	Impeller Welding Fillet Size 9 Mm To 10 Mm
104	FG01	Toe Grinding Of Imp (Less Than 2 Mt)	144	IW03	Impeller Welding Fillet Size 11 Mm To 12 Mm
105	FG02	General Grinding (Less Than 2 Mt)	145	IW04	Impeller Welding Fillet Size 13 Mm To 14 Mm
106	FG03	Toe Grinding Of Impeller-	146	IW05	Impeller Welding Fillet Size 15 Mm To 16 Mm
107	FG04	General Grinding Extra Rate Payable For Every One Mt Morethan 2 Mt For Jobs Loaded Under Fg02	147	R100	Poke Tube Assy
108	FM01	11 Size Cylinder Assy	148	R151	Cold End Baskets
109	FM02	12 Size Cylinder Assy	149	R152	Hot End Heating Element Baskets-
110	FM03	16 Size Cylinder Assy	150	R153	Hot End Heating Element Baskets-Modified Design
111	FN61	CC PI Fabn Up To 100 Kgs (Naxtra Matl)	151	R156	Control Frames I,li & lii(Side / Centre)
112	FN62	CC PI Fabn Up To 100-150 Kgs (Naxtra Matl)	152	R157	Damper Housing
113	FN63	CC PI Fabn Up To 150-200 Kgs (Naxtra Matl)	153	R157	Hot End Heating Element Baskets-Modified Design
114	FN64	CC PI Fabn Up To 200-250 Kgs (Naxtra Matl)	154	RS88	Adjusting Screw
115	FN65	CC PI Fabn Up To 250-300 Kgs (Naxtra Matl)	155	SN01	Cylinder Nitriding 11 & 12 Sizes
116	FN66	CC PI Fabn More Than 300 Kgs Upto 500 Kgs. (Naxtra Matl.)	156	SN02	Cylinder Nitriding 16 Sizes
117	FN67	CC PI Fabn Up To 100 Kgs (Naxtra Matl)	157	TK03	Fixture For Jewel Bearing
118	FN68	CC PI Fabn Up To 100-150 Kgs (Naxtra Matl)	Note:- RS not covered in this tender AF04,AP13,AP14,AP23,D16,D27,FC73,FC74,FC75,FC76,FC77,FD05,FD15,FN63,FN64,FN65,FN66,FN67, FN68, FN69, FN70, FN71FN72, FN73, FN74, IN04, R156		
119	FN69	CC PI Fabn Up To 150-200 Kgs (Naxtral)			
120	FN70	CC PI Fabn 200-250 Kgs (Naxtra)			



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BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

பாரதமிகுமின் நிறுவனம்

BOILER AUXILIARIES PLANT, Indira Gandhi Industrial Complex,

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BHEL-BAP-OS- LDPP-ARC

SECTION – XII BANK GUARANTEE

(Instructions to Fill the Bank Guarantee Format to be issued by BHEL)

Minimum base BG value of Rs.5.00 Lakhs should be provided by the vendor at the time of signing the contract.

1. Bank Guarantee shall be issued by any one of BHEL's Bankers or any Nationalized Bank. Please refer to List of BHEL's Bankers enclosed.
 - a. If it is not possible, then BG can be issued by a Scheduled Commercial Bank with the prior approval of BHEL.
 - b. BG from Co-operative Banks are not acceptable.
2. Pre-printed BG Form of BHEL only shall be used. Should not retype the format.
 - a. Only the relevant information like Supplier Name, BG Value, Contract No., Validity etc. shall be typed in the pre-printed form and executed by Bank.
 - b. Special adhesive stamp of the required value shall be affixed on the 1st page of the Form.
 - c. If Special Adhesive stamps are not available, then applicable stamp duty shall be paid at the Bank / Agency nominated by the concerned State Government to collect stamp duty, who" will affix their signature, date and seal in the first page of the BG Form clearly marking it as "SPECIALADHESIVE" & "STAMP DUTY".
 - d. Stamp Duty for the BG shall be at the rate as applicable in the State where the BG is executed.
 - e. Bank seal shall be affixed on the special adhesive stamp.
3. The executing officer of the Bank shall indicate his name, designation and power of attorney number/signing power number etc. on the BG.
 - a. Any correction / overwriting on the BG shall be duly authenticated under the Seal and signature of the executing officer of the Bank.
 - b. Each page of the BG shall be duly signed/initialed by the executing officer of the Bank and the last page is to be signed with full particulars under the seal of the Bank.
 - c. Fax number, e-mail Address, contact person, phone number and complete postal address shall be indicated in the covering letter of the BG from Bank.
4. The validity of the BG shall cover a period of 18 months (or such other period as per purchase Order, if otherwise specified) from the last date of dispatch as per Purchase Order or actual date of last dispatch under the Purchase Order, whichever is later.

- a. The BG shall have a claim period of 3 months. If no separate claim period is indicated in the BG, then the validity shall be 18 months (or such other period as per Purchase Order, if otherwise specified) plus 3 months.
 - b. No clause of the BHEL BG Form shall be altered, deleted or new clauses added by the issuing Bank under any circumstances. Bank Guarantees with altered/deleted/added clauses will not be accepted by BHEL under any circumstances.
 - c. If the issuing bank wants to add any additional clauses, it shall be intimated to BHEL well in advance with exact text of clause, which shall be subject to approval by BHEL Law department. Those clauses specifically accepted by BHEL- Law department can be added in the last page of the BG form and executed by Bank.
5. Bank Guarantee shall be forwarded by issuing Bank directly to AGM(OS)/BHEL/BAP/Ranipet-632406.
- a. If it is not directly forwarded to BHEL due to unavoidable circumstance, then the issuing bank shall sent a letter directly to BHEL conforming the issue of the BG enclosing a photocopy of the original BG
 - b. The bank guarantee should not be routed through Bank along with other dispatch documents under any circumstances.
6. In case of any extension of BG the same shall be executed on non-judicial stamp paper of the required value.
- a. Only the due date and claim period shall be extended
 - b. The extension should not result in alteration of any material facts of the BG.
7. Bank Guarantees executed as per the above instruction only shall be accepted at our end. Hence kindly ensure compliance with the above instructions for yearly processing of the bills and to avoid hold up of the bills

List of Bankers from whom Bank Guarantee is to be obtained.

	Nationalised Bank	13	State Bank of Hyderabad	24	Standard Chartered Bank
1	Allahabad bank	14	Syndicate Bank	25	The Royal Bank of Scotland N.V.
2	Andhra bank	15	State Bank of Travancore	26	J P Morgan
3	Bank of Baroda	16	UCO Bank		Private bank
4	Canara Bank	17	Union Bank of India	27	Axis Bank
5	Corporation bank	18	United Bank of India	28	The Federal Bank Limited
6	Central bank	19	Vijaya Bank	29	HDFC
7	Indian Bank		Public Sector Banks	30	Kotak Mahindra Bank
8	Indian Oversea Bank	20	IDBI	31	ICICI
9	Oriental bank of Commerce		Foreign bank	32	Indusind Bank
10	Punjab National Bank	21	CITI Bank N.A	33	Yes Bank
11	Punjab & Sindh Bank	22	Deutsche Bank AG		
12	State Bank of India	23	The Hong kong and Shanghai Banking Corporation Limited		

Bank Guarantee Value Rs.....Lakh(s)

FIRM CODE.....

Please affix Rs.80/-Non Judicial
Stamp here

1. THIS DEED OF GUARANTEE made this..... day of.....20.....
by..... (hereinafter called the Bank)in favour of
M/s.BHARAT HEAVY ELECTRICALS LIMITED,BOILER AUXILIARIES PLANT, RANIPET-
632406 having its Registered Head office at BHEL HOUSE, SIRI FORT, NEWDELHI,
Pin-110049.
2. WHEREAS M/s.BHARAT HEAVY ELECTRICALS LIMITED, hereinafter called the
"COMPANY" have placed Purchase Orders / Work Orders which are pending as on date
and also future Purchase Orders / Work Orders to be placed by the company up to the expiry
of this Guarantee (hereinafter called the "CONTRACT") for machining fabrication supply of
pressure and non pressure parts with.....
.....
..... (hereinafter called the CONTRACTOR / SUPPLIER) and the said machining /
fabrication / supply of pressure and non- pressure parts shall be made from the supply of raw
materials and components by the company to the Contractor / Supplier in pursuance of the
Contract(s) already placed but pending execution as on date and the Contract(s) to be placed
from time to time by the company on the contractor/supplier.
3. AND WHEREAS one of the conditions for placing such Contract(s) is that contractor / supplier
shall provide the company with a Bank Guarantee to the extent of
Rs.....(Rupees.....
.....) as a security for the raw
materials and components supplied and to be supplied in pursuance of the contract(s)already
placed and pending as on date / and the contract(s) to be placed from time to time up to the
expiry of this Guarantee and also for the satisfactory performance and completion of
work/supply and the terms and conditions of the said contract.
4. AND WHEREAS the contractor/supplier have approached the Bank and at their request and
in consideration of arrangements arrived at between the said contractor/supplier and the said
Bank.We,the Bank have agreed to give such guarantee as hereinafter mentioned in favour
of the aforesaid company.

Bank Guarantee Value Rs.....Lakh(s)

5. NOW, THEREFORE, these present witness that we, the Bank by the hand of Branch Manager its lawfully and duly constituted attorney, do hereby undertake irrevocably and unconditionally to pay without demur to the aforesaid company a sum of Rs..... (Rupees.....) on demand being made by the said company and to keep the said company indemnified to the extent of Rs..... (Rupees.....) by virtue of this guarantee against any loss/damage caused to/suffered by the said company, by reason of any breach by the aforesaid contractor/supplier of any of the terms and conditions, stipulations or undertakings or any one of them contained in the said contract(s) and the tender documents if any attached there to and for the payment of any money payable by the said Contractor/Supplier to the said company under the terms and conditions of the said contract(s) (the decision regarding the breach, loss, damage or payment due being solely in the discretion of said company). We further undertake to pay the aforesaid amount in lump sum on demand without demur or such part thereof as the company may demand from time to time, irrespective of the fact whether the said Contractor/Supplier admits or denies such claim or questions its correctness in any court, Tribunal Arbitrations proceedings or before any authority. The liability or obligation of Bank under this guarantee would not wait till the disputes have been decided by any Court or Tribunal or in the Arbitration proceedings or by any other authority. It shall not be necessary for the said company to proceed against the Contractor/Supplier before proceeding against the Bank and its Guarantee herein contained shall be enforceable notwithstanding any security, which the said company may have obtained or obtain from the Contractor/Supplier. Further any payment made by the Bank to the company under this guarantee shall be deemed to have been duly and lawfully made.
6. The liability under this guarantee is a continuing one covering all contracts, already placed and pending as on date to be placed up to the expiry of this Guarantee and should any loss or damage occur on account of the breach of the terms and conditions of the said Contract(s) by the Contractor/Supplier or should any surplus raw materials and components become due to the Company under Contract(s) and remain undelivered to company, the Bank shall indemnify the Company for loss/damage for the value of raw materials and components to an extent of Rs..... (Rupees.....) and this is without prejudice to any other remedies which may be otherwise available to the company against the Contractor/Supplier by way of deduction from any sum due or any sum which at any time hereafter become due from the Contractor/Supplier under this or any other contracts.

Bank Guarantee Value Rs.....Lakh(s)

7. THE AFORESAID Guarantee will remain in force and the Bank shall be liable under the same irrespective of any concession or time being granted by the said company to the Contractor/ Supplier in or for fulfilling the said contract (s) between Contractor/Supplier and the Company and the guarantee will remain in full force irrespective of any change of terms, conditions or stipulations or any variations in the terms of the said Contractor(s) and irrespective of whether notice of such change and/or variation is given to us or not and claim to receive such notice of any change and/or variation is given to us or not and claim to receive such notice of any change and / or variation of the terms and /or conditions of the said Contract(s) is hereby specially waived by us. Further, we shall not be released from this guarantee by any forbearance or the exercise or non-exercise of any of the power or rights under the said contract(s) by the said company against the Contractor/Supplier irrespective of whether, notice of such forbearance enforcement or non-enforcement of any powers or rights, modifications or changes made in the said contract(s) or concession shown to Contractor/Supplier by the Company is given to us or not.
8. THE GUARANTEE herein contained shall not be determined or affected by the liquidation or winding up or in solvency of or change in the constitution of the Contractor/Supplier and shall in all respects and for all purposes be binding and operative until all payments of all money due or that may hereafter become due to the said company are settled irrespective of any liability or obligation of the Contractor/Supplier under the said Contract(s).
9. A REFERENCE to this Bank Guarantee in the contract(s) placed already and pending as on date and to be placed up to the expiry of this Guarantee shall be sufficient to bind the Bank in respect of their liability under this Bank Guarantee and this Bank Guarantee shall be read as an integral part of the contract(s) already placed but pending as on date and to be placed up to the expiry of this Guarantee.
10. WE, THE BANK, further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said contract(s) and that it shall continue to be enforceable till all the dues of the company under or by virtue of the said contract(s) have been fully paid and its claims satisfied that the terms and conditions of the contract (s) have been fully and properly carried out by the said Contractor/Supplier and accordingly discharge the Guarantee, subject, however to the condition that the company shall have no rights under this guarantee unless a claim or demand in writing in respect of this guarantee has been preferred by the company with the Bank on or before...../...../.....(including a claim period of.....Months/Year).For the purpose of this clause any letter making the demand on the Bank by M/s. BHEL despatched by R .P.A. D . or by telegram or by FAX or by any electronic media addressed to the above mentioned address of the Bank shall

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Sign & Seal of issuing Bank

Bank Guarantee Value Rs.....Lakh(s)

be deemed to be the claim/demand in writing referred to above irrespective of the fact as to whether or when the said letter reached the Bank, as also any letter containing the said demand or claim is lodged with the Bank personally.

11. Any CLAIM OR DISPUTE arising under the terms of this document shall only be enforced or settled in the Courts at Ranipet, Vellore District only.
12. THE BANK undertake not to revoke this Guarantee during the currency except with the previous consent of the Company in writing.
13. THE BANK declares that it has powers to issue this Guarantee and the undersigned has full powers to do so on its behalf under the power granted to him by the proper authorities of the Bank.
14. Notwithstanding anything contained herein before, our liability under this guarantee shall be limited to a sum of Rs and stand completely extinguished and discharged if no demand or claim is made upon us in writing on or before/...../..... (including a claim period of Months/Year)

DATE THIS DAY OF 20

Seal of the Bank

Signature of the Bank Manager