



FIELD HYDRO SERVICES (FHX) DIVISION BHARAT HEAVY ELECTRICALS LIMITED, BHOPAL

Ref: NIT No. BHEL/FHX/MAINTENANCE/20232401 dated 19.01.2023

Sub:- Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

Dear Sir,

Your offer in two bid is invited for "Annual Maintenance Contract (Mechanical & Electrical) for Preventive /Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants of all the blocks in BHEL BHOPAL." as per particulars of the tender given below: -

. Type of Bid	Open Indigenous, Single Stage Two Bid System
. NIT Key No.	20232401
. NIT No.	BHEL/FHX/MAINTENANCE/20232401 dated 19.01.2023
. Bid Submission(End) Date & Time	11 A.M. & 09.02.2023
. Technical Bid Opening Date & Time	02 P.M. & 09.02.2023
. Price Bid Opening Date & Time	Will be mentioned later
. Bid Submission Mode	Bids must be submitted in hard copy in two separate envelopes of which one shall carry all annexures duly signed and documents as required and other one must carry price bid which in turn will be enclosed in single envelope.
. Bid Life Cycle (From Publish date)	120 (One Hundred) days
. Bid Duration (From Publish date)	21 (Twenty One) days
. Bid Offer Validity (From End Date)	Minimum 75 (Seventy Five) days from Original Bid Closing Date
. Bid Security/EMD Amount	Rs.2,60,600
. Bid Security/EMD Validity	45 days beyond the bid validity
. Amount of SD/ePBG	3% of Contract value
. Validity of ePBG	2 (Two) months beyond the date of completion of contract
. Duration of the Contract	12 (Twelve) Months
. Bids to be addressed to	Sr. Deputy General Manager-FHX Tender Room (Green Box), ADM Building Ground Floor Contact Details: 9479444786/asadiqbal@bhel.in
. Tender cost	Rs 500

1. Scope of work ,Payment terms & Penalty are mentioned in Annexure I , General Terms &Conditions in Annexure-II and Instructions to Contractor for statutory compliance for Works Contract in Annexure III & IV, General but obligatory instructions in Annexure-V, BHEL's terms and condition for HSE norms in Annexure-VI, GST Terms in annexure-VII, Tools & tackles in annexure-VIII and Format for EFT/NEFT/RTGS Payment-IX, Minimum wages in Annexure X ,PQC in Annexure XI ,Machine List in Annexure XII , Special Terms & Conditions are given in Annexure-XIII ,Price Bid format in Annexure XIV & Checklist in annexure XV.
2. Tender cost & EMD can be deposited through Electronic Mode on line through following link <https://www.bhelbpl.co.in/qcins/iccs.htm> and the proof of payment has to be enclosed with the offer.
3. Eligibility criteria/ qualifying requirement: -
 - A. Only those contractors meeting the PQC criteria of BHEL Bhopal are eligible to apply. However, MSME contractors shall be relaxed from 50% of prior experience in technical specifications of PQC criteria (ref PQC in Annexure XI).
 - B. Contractors having valid Contractor License will be considered. Contractor license under renewable process shall also be considered.
 - C. The offer of contractors not meeting clauses 3.A & 3.B will not be considered and will be rejected.
 - D. If rates quoted by party is less than the minimum wages of skilled and Un-skilled labor as declared by CLC (ref Minimum Wages in Annexure X), their offer shall be rejected.
4. MSME will get 100 % exemption in deposition of EMD. However, exemption shall be given only as per prevailing guidelines issued by GOI for MSME registered in Service Category.
5. The BHEL, Bhopal does not bind themselves to accept the lowest bid for tender or to give Reason for their decision.
6. Tenderer should submit all the documents as mentioned in **Checklist as per Annexure XV** along with offer. Offer received without the documents are likely to be rejected. Also bidder must furnish details about bid and bidder as required in Page no 3.
7. In case of any terms and conditions are not acceptable to the tenderer, same should be clearly stated in the tender.
8. The L1 bidder will be decided on overall/Cumulative price, and contract shall be split as per Splitting of Work Clause mentioned in point No.9 as stated below.
9. Splitting of Work: Entire contract shall be distributed in three vendors in 50:30:20 ratio
 - a. All vendors except L-1 shall be offered rate quoted by L-1 for splitting of work. If any Vendor does not accept the offer then subsequent vendor shall be counter offer the rate Quoted by L-1 so that distribution shall be done in 50:30:20 ratio.
 - b. Distribution ratio can change if number of responses are fewer than required.

10. Reverse Auction (RA) not applicable as price reduction below minimum statutory wages not allowed.
11. The Tenderers are required to quote for the complete scope of work with the lowest possible rate. The Tenderers quoting for part of the work or incomplete in any respect are likely to be rejected.
12. BHEL reserves the right to accept or reject any of the bid / all bids with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no bidder shall have any claim arising out of such action by BHEL.

Thanking you

ASAD IQBAL
DEPUTY MANAGER (FHX)
9479444786/asadiqbal@bhel.in

Enclosed: - Annexures I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, XIII & XIV

Details of Bid & Bidder (To be filled by bidder)

- (a) Bidder Offer No.
- (b) Date
- (c) Legal Name of the bidder as in GST registration:
- (d) GST registration no.:
- (e) State:
- (f) Place of business:
- (g) Category of registration under GST (i.e. Registered dealer / Unregistered dealer/
dealer opted for Composition Scheme):
- (h) Address of the Bidder:
- (i) Email Id and Contact No. of the Bidder
- (j) PAN No. Of Bidder (A copy of PAN Card to be submitted)

Note: If GST registration is not applicable, Bidder shall submit justification of the same and will also provide supporting documents.

I agree with the above:
Signature of the bidder

SCOPE OF WORK

Name of work: Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

1. Total Nos. of CNC Machines: 161 nos.
2. Total Nos. of Electronics Machines: 143 nos.
3. Total Nos. of Conventional Machines: 796 nos.

Total nos. of machine: 1100 nos.

- **List of Machines** have been enclosed in Annexure XI
- **SCOPE OF WORK:** Scope of work is mentioned below

Sl. No.	Activities for Preventive/Breakdown Maintenance of all machines
1	Cleaning of Telescopic covers. Repair/Replace telescopic covers if damaged.
2	Check Oil Level in Hydraulic, Hydrostatic and Lubricating tanks. Top up oil if oil level is low. If oil is contaminated/aged, replacing of new oil after cleaning oil tank properly.
3	Clean of all Oil Filters. Repair/Replace Oil Filters if required
4	Clean all Air Filters. Repair/Replace Air Filters if required
5	Check condition of Hydraulic & Pneumatic piping, Repair/Replace pipes if damaged
6	Check all Lubricating points. Inject Oil/Grease in all lubricating points
7	Check Hydraulic /Pneumatic systems .Repair /Replace any faulty part in the system
7	Check Coolant System. Clean coolant filters, replace if damaged. Check leakage of coolants from pipes & pumps. If any, rectify the same. Repair/Replace coolant pumps & motors if required
8	Check Accumulators, oil chillers working properly. Repair/Replace if required
10	Check Table Brake system working properly. Overhauling /Repair if required
11	Check Table Gear box & its lubrication working properly. Repairing and overhauling of Gear Box
12	Check cross rail & its lubrication working properly. Repairing and overhauling of cross rail gear box, clamping pads and lead screws, chuck nut etc.
13	Check ram and its lubrication working properly. Repairing and overhauling of ram gear box, hydrostatic pads, ball screws/lead screws & chuck nut etc.
14	Check conditions of Electrical Cables and Cable drag chains. Repairing/replacing of cable drag chains if damaged. Check all Electrical Motors working properly. Check the temperature of surface of Motors and check for abnormal sound from Motors. Clean Motor surface by Compressed air and inject grease to Bearing lubrication points .Repair/Replace Motors ,Cables and any other electrical switchgear if required
15	Check condition of Main Switches, MCB, Contactors, Relays, Fuses, Limit Switches and Thermal Switches. Clean Contacts, Relays (Use Contact Cleaner).Repair/Replace if required
16	Check cable and Main ICTP in Sub boards .Repair /Replace if required
17	Working Voltage range is 0 - 1.1 KV AC/DC .Single/Three Phase system up to 11kv Breaker
18	Repair/Replace any faulty electrical equipment installed in machine
19	Check Overload Relay. Check Pendant Control System. Check for loose connections in Electrical Panels, Distribution Boxes, and Operator Pendants etc. & Tighten the same.
20	Check Panel Air Conditioners working properly & Clean air Filters
21	Check all Cable Ducts Covered. Check all Safety Interlocks

22	Check Chips conveyor working properly, repair it if not working properly.
23	Check Spindle Gear box & its lubrication working properly. Repairing and overhauling of Spindle Gear Box
24	Check column & its lubrication working properly. Repairing and overhauling of column gear box, counter balance and lead/ball screws, chuck nut etc.
25	Check Head stock & tail stock working properly. Grease to be applied on jaws of chuck. Overhauling shall be done if required
26	Check Chuck Brake system working properly, overhaul if required.
27	Checking & overhauling of any axis ball/lead screws, chuck nuts, pads ,guide ways ,rack pinions assembly etc. if required
28	Checking drilling head & spindle assembly, overhaul if required
29	Checking Hydraulics tool & axis clamping, overhaul if required
30	Check gear boxes and its lubrication. Repair/overhaul gear boxes if required
31	Checking control panel system
32	Check pressing cylinders working properly. Overhaul if required.
33	Check rollers and bearings. Apply grease on bearings. Replace bearings & rollers if damaged.
34	Check alignment of rollers
35	Check solenoid valves & hydraulic system. Overhaul if required.
36	Check seals and gaskets, replace if damaged
37	Check all insulation and Earthing.
38	Cleaning of Gantry, racks, pinions & rails with compressed air and kerosene. Lubricating rails with oil. Replace pinions if damaged.
39	Check LM Guides on all axis and its lubrication
40	Replacement of damaged pipelines
41	Check power source& wire feed unit .Repair /Replace if required
42	Repair of all welding equipment ,Fans ,Grinders ,Lights etc.
43	Checking of lift, repair/overhaul if required
44	Checking of arm, repair/overhaul if required
45	Checking of wire feed unit, repair/overhaul if required
46	Checking of clamping unit, repair/overhaul if required
47	Checking of welding unit, repair/overhaul if required
48	Checking of trolley, repair/overhaul if required
49	Checking of pneumatic circuits, replace pipelines if damaged.
50	Checking of all machine attachments (Boring, Universal, Right angle etc.). Overhauling / repair if required
52	Removal of rain water/ Seepage water from machine Pits as per requirement
53	Checking of Wagon trolley. Overhauling / repair if required.
54	Connection & disconnection of welding M/c, Portable drilling machine & other equipment's in shop floor.
55	Carrying/ Handling of FMS items & maintenance spare from Store to concerned dept.
56	Repair /Maintenance of electroplating plant, Phosphating plant ,powder coating plant ,SB Plants ,HVOF Plants ,SR furnaces etc.
	Check bearings, journals etc. for various components like flywheel, shafts, pins, slides etc. and replace if found damaged
54	Check clutches and brakes of press machines and adjusting or replace as required.
55	Check tightening of foundation bolts, air tanks, machine components etc. Retighten if required.
56	Check condition of V-belts/flat belts/conveyor belts. Adjust tightness or replace if found damaged.
57	Transformers of all machines/Furnaces (rating 11 KV to 660v/220V) are to be checked for proper working. Replacement of breather and filling of oil level if required.

58	HT breaker overhaul, amply dyne generator/motor, master controller and other equipment's cleaning/repair/replacement to be done in ARC furnace.
59	Water pumps & water lines (MS/Copper/rubber pipe/Hose pipes) of furnaces are to be checked/repared/replaced.
60	Cleaning of burners, NRV, Filters, checking of thermocouples is to be done as well as repair/replacement to be done if required in SR/Annealing furnace and galvanization plant.
61	Adjustment of control cage, impeller as well as repair/ replacement of other worn out parts and plates of shot blast machines.
62	Repair /overhaul of all transport wagons & trolleys
Note:	
a.	Preventive Maintenance of machines shall be done as per schedule
b.	Work which is not mentioned here and is related to Preventive /Breakdown maintenance shall also be in scope
c.	There is no capping on number of breakdowns.
d.	Work mentioned above is cluster of all probable works which can arise but all works are not applicable for single machine .There may be some works which are not applicable to some category of machines.

➤ **Minimum Manpower required and criteria :**

Sl. No.	Department wise	Skilled Fitters	Skilled Electricians	Unskilled	Total	
					Skilled	Unskilled
1	FHX	16	15	2	31	2
2	FEX	14	2	2	16	2
3	FRX	7	5	5	12	5
4	FWX	4	4	2	8	2
5	FDX	11	12	10	23	10
6	FNX	10	5	4	15	4
7	FTX	10	4	6	14	6
Total		72	47	31	119	31

1. Skilled Fitters: 72 nos.
2. Skilled Electricians: 47 nos.
3. Unskilled: 31 nos.

Contractor shall arrange **minimum 119 nos. of skilled workers** and **minimum 31 nos. of unskilled workers** having following qualifications

- Skilled worker: - ITI (Fitter/electrical) with minimum two year of experience in fitter/electrical works, or at least Five Years of work experience in Fitter/electrical works.
- Un-Skilled worker: - Minimum one year of experience in Fitter/electrical works.

Supervision of the work will be in scope of contractor; he may supervise the work by himself/depute one Supervisor having following qualifications: -

- Supervisor: - Minimum diploma in electrical or ITI in Mechanical/electrical trade with minimum 2 years of experience in Mechanical/electrical works or at least Five Years of work experience in Mechanical/Electrical works.

Party shall submit details of manpower proposed and their experiences before start of work. In case of change of manpower by party, manpower with similar or better experience and qualification should be deployed.

➤ **Period of Contract**

The contract agreement will be valid for a period of 12 months.

However, the Contract may be short closed on 3 months' notice in the event of poor services/misconduct etc. by the party at the discretion of BHEL

➤ **Payment terms: -**

1. The payment of Contractor's Bill shall be made within 45 days for MSME Bidders and within 60 days for others from date of submission of the Bill.
2. Contractor is required to pay Salaries / wages of contracted staff deployed at their location first i.e. on their own and then claim payment from BHEL along with all statutory documents like, PF, ESIC etc. as well as the bank statement of payment done to their staff. Contractor to ensure payment to workers latest by 7th of every succeeding month.
3. Contractor is required to pay as per minimum CLC rates as on date i.e. minimum of Rs.517.5/- per day to skilled worker & Rs.417.53/- per day to unskilled worker which includes minimum wages, PF, ESI & Labor contribution to welfare fund. Contractor shall submit bank statement of all workers every month while submitting the invoice.
4. Contractor is required to pay **Bonus** as per Payment of Bonus Act 1965, on actual basis for the contract period @ Rs.37.07/- per day for skilled worker and Rs.29.90 /- per day for unskilled worker. Service Provider shall submit proof of bonus payment with the last/final bill of the contract, failure of which corresponding bonus amount will be deducted from last/final bill.
5. No advance payment shall be made to the party & Party shall submit maximum of one bill for each month.
6. Payment shall be made as per scope of work carried out after submission of invoice to BHEL, duly certified by the engineer in charge and submission of PF, ESI challans & wage sheet by the contractor for the man power deputed during the work. Taxes (if any) shall be paid only when relevant bill/invoice bearing tax registration no. along with the receipt/challan copy of deposition of tax is submitted.
7. Monthly Payment to Contractor = (Award value of the contract for 12 months) / 12 and GST as per actual and as applicable. Where Award value of the contract is Total final negotiated/agreed value of the tender for 12 months.
Note: Award value of the contract is inclusive of Payment against PF, ESI, Leave, Bonus etc.
8. Payment will be made through NEFT/RTGS Only. The Bank Account No along with details of bank, IFSC Code, MICR Number etc. shall be mentioned by the firm along with the bill for making the payment through NEFT/RTGS.
9. Contractor shall pay wages for government recognized gazette holiday i.e. 26th January, 15th August and 2nd October. No claim shall be made by contractor to BHEL.
10. Any disallowance of tax credit will be recovered with interest from contractor's bill if disallowance is attributed to them
11. **Price will be firm throughout the period of contract.**
12. GST shall be paid as per actual as applicable subject to compliance of all the applicable rules and Procedure as envisaged in the GST Regime
13. TDS under Income Tax Act shall be deducted as applicable from contractors 'bill.

➤ **Penalty:**
Short Deployment:

- a. Penalty shall be applicable only if attendance is less than 90% of (number of labors*312) working man days (Sunday & Holiday will not be considered as working days) and shall be evaluated monthly.
- b. If attendance is less than 90 % then deductions will be done as per actual absentee of man-days.
Example:
If total attendance per month required is 100 man days and if 90 man-days is present in that month then No penalty shall be levied.
If total attendance per month is 100 man-days and if 89 man-days is present in that month then penalty shall be levied on 11 man-days not on 01 man-days.
If total attendance per month is 100 man-days and if 70 man-days is present in that month then penalty shall be levied on 30 man-days not on 20 man-days.
- c. Deduction will be done @ (Total award value / (312*number of labors)) for per man-day absentee.
- d. If any technician disobeys or disregards the order (verbal/written) given by the Engineer in-charge, he can be punished for being deprived of his wage for that day and he will be treated as absent.
- e. Only the decision of the Engineer in-charge will be valid for the above statement and it will be considered as final decision and no other response from contractor will be accepted on this decision.

Performance Penalty:

- f. The party must ensure the average annual breakdown percentage of the total machine included in the contract must not be more than 5% (While calculating breakdown percentage waiting time for spares will not be taken into account). A deduction of 0.1 % of the award value will be made for every 0.1% increase in average annual breakdown percentage above 5 %. This evaluation will be made annually. Maximum of 10% of the total contract value shall be deducted.
- g. If Preventive/Scheduled maintenance of machines is not completed within given time frame of 3 days from date of PM, then penalty of Rs.200/- per machine will be deducted subject to maximum of 10% of contract value. Review shall be done quarterly.
- h. In case of delay pertaining to availability of machines/spares for preventive maintenance then contractor is not accountable for the delay.

G. Party's Responsibility:

- Oil filling and top up of oil in gearbox and other assemblies of the machines as per Machine lubrication chart/document. Oil shall be supplied free of cost by BHEL.
- Party shall prepare hand sketch of the small conventional parts required to be manufactured /repaired in CMWS of BHEL.
- Party will give requirement for spares well in advance so that it can be arranged in time.
- Party shall arrange to deliver damaged Electrical parts and mechanical parts /assembly to Electrical Repair Shop/Central Mechanical workshop and collect the repaired parts/ assembly from there.
- Party shall abide by all relevant Labor Laws and other rules & regulations. Party must fulfill PF, ESI and other relevant criteria as per law. In case of non-compliance of any labor laws, the contractor is fully responsible for all

expenses / liability occurring on BHEL because of this including expenditure on legal proceedings. All such expenses shall be recoverable from any of the contractor running contract with BHEL or any contract entered thereafter.

- The employee deployed against the contract should come in proper uniform and safety shoes. Contractor shall provide uniform and safety shoes to his employees. Safety appliance as and when required will be provided by BHEL on the request of the contractor's Engineer in charge. However, safety appliance has to be returned on the completion of the contract. All necessary precautions for safety of the man/ machine, fire hazard & environmental aspects shall have to be taken by the contractor for the activities performed by his workers
- All the workmen employed should be disciplined and of good behavior & conduct. Any undesirable activity by contractor or his workmen will be viewed seriously and attract strict action including cancellation of contract.
- Contractor himself shall arrange all general T&P's and Personal Protection Equipment's to be used by their workers.

H.BHEL's Responsibility:

- BHEL shall supply free of cost, Crane, BOT, Forklift etc., and consumables like grease, Lubricating oil, cotton waste.
- Repair and overhauling of all electric motor shall be undertaken by BHEL, free of cost. However, the Requisition for the same has to be given well in advance.
- All spare parts shall be provided by BHEL free of cost. However, cleaning, minor work required to fit the same on the machines shall be undertaken by the party.
- Repair/rebuilding/manufacturing of mechanical spares/assemblies shall be done by BHEL free of cost. Preparation of complicated drawings, (excluding those mentioned in point no.6.4) if required, for the Same shall be done by BHEL. However, dismantling of all spares/assemblies, delivering the same in Machine shop for Repair/rebuilding/manufacturing, collecting the same after repair, reassembly on machine etc. shall be done by party.
- Office at site with relevant facilities in BHEL premises, shall be provided free of cost.
- BHEL will provide electrical power from bus bars to the incoming of the main switch.
- Any civil work if required will be done by BHEL

Signature of Issuing Officer
Date:

GENERAL TERMS AND CONDITIONS FOR INVITING TENDERS AND AWARDING CONTRACT

Definitions:-

- a) "Company of Corporation" shall mean Bharat Heavy Electricals Limited having its registered Office at New Delhi and includes a duly authorized representative of the Company / Corporation or any other person empowered in this behalf by the Company /Corporation to discharge all or any of the its functions.
 - b) "Accepting Authority" shall mean the head of the Maintenance Division or any other person Authorized by him.
 - c) "The Contract" shall mean the notice inviting the tender and acceptance there-of and the formal agreement if any, executed between the Bharat Heavy Electricals Ltd., Bhopal and the Contractor together with the documents referred to there in including these conditions , and any special conditions, specifications, design drawings. All these documents taken together shall be deemed to form one contract and shall be complementary to one another.
 - d) The "Contractor" shall mean the individual or firm or company whether incorporated or not, undertaking the work and shall include legal representatives of such individual or persons composing such firm or company as the firm may be and permitted, assigning of such individual or firm or company.
 - e) The Contract sum shall mean the lump sum for which the tender is accepted, in the case of lump sum contract, and in the case of item rate in the case of the works arrived at after extension of quantities shown in schedule of quantities by the item rates quoted by the tendered for various item.
 - f) A "DAY" shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in that day.
 - g) A week, shall mean seven days without regard to the number of hours worked in any day in the week.
 - h) The "work" shall mean the work to be executed in accordance with the contract or part(s) there of as the case may be and shall include all extra, additional altered or substituted work or temporary and urgent work as required for performance of the contract.
1. Engineer in charge shall mean, the Engineering Officer appointed by the Accepting authority, who shall direct, supervise, and be in charge of the work for purposes of this contract.

SCOPE OF PERFORMANCE:

Contract Documents:

2. The contractor shall be furnished, free of charge, two certified true copies of the contract documents. He shall keep one copy of this documents on the site in good order, and the same shall at all, reasonable times, be available for inspection and use by the Engineer-in-charge his representatives or by other Inspecting Officers.
- 2.1. None of documents shall be used by the contractor for any purpose other than that of this contract.

- 2.2. The contractor shall take necessary steps to ensure that all persons employed on any work in connection with this contract have noticed that Indian Official Secrets Act, 1923 applied to them and shall continue so to apply even after the execution of such work under contract.

3. Work to be carried out :

The work to be carried out under the contract shall except as otherwise provided in these conditions, include all labor, materials, which may be required for full and entire execution and completion of the work.

- 3.1. Contractor shall make his own arrangements for all the tools & tackles required for the execution of the work.

4. Inspection of work before submission of tender.

The contractor shall examine the quantum of work and shall satisfy himself before submitting his tender. He shall himself assess the requirement of materials, contingencies and other circumstances which may affect or influence his tender, no extra charges on any misunderstanding or otherwise shall be allowed.

5. Sufficiency of Tenderers:-

The contractor shall be deemed to have satisfied himself before tendering, as to correctness and sufficiency of his tender, the work and prices. This shall except as otherwise provided, all obligations under the contracts and all matters and things necessary for the proper completion and maintenance of the works.

6. Discrepancies and Adjustment and Errors:-

The several documents forming the contract are to be taken as mutually explanatory of one - another. If there are varying or conflicting provision made in any document forming part of the contract, the accepting authority shall be the deciding authority with regard to the intention of the document. Any error on description, quantity of rate or any error on description or any commission these firm shall not initiate the contract or release the contractor from execution of whole or any part of work comprised. Therein according to drawings and specification or from any of his obligation under the contract.

7. EARNEST MONEY DEPOSIT

7.1 Vendor is required to deposit the EMD amount as specified in NIT.

7.2 Bidder shall make Interest Free Earnest Money Deposit (EMD) to BHEL through Electronic Mode which can be deposited on line through following link <https://www.bhelbpl.co.in/qcins/iccs.htm> and the proof of payment has to be enclosed with the offer.

7.3 Forfeiture of EMD: EMD by the Tenderer will be forfeited as per NIT conditions, if:
7.3.1 After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL.
7.3.2 The Contractor fails to deposit the required Security deposit or commence the work within the period as per LOI/Contract.

7.4 EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and forfeited/ released based on the action as determined under these guidelines.

7.5 EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work.

7.6 EMD of successful tenderer will be retained as part of Security Deposit.

7.7 EMD deposited in any modes other than specified at (c) above shall lead to cancellation of the offer.

8. SECURITY DEPOSIT

8.1 Successful vendor shall require to deposit security. The total amount of Security Deposit will be 3% of the contract value. EMD of the successful tenderer shall be converted and adjusted towards the required amount of Security Deposit. Balance amount shall be deposited by Bidder within 15 days from the date of award of contract.

8.2 Mode which can be deposited on line through following link
<https://www.bhelbpl.co.in/qcins/iccs.htm> and the proof of payment has to be enclosed with the offer.

"Bidder agrees to submit performance security required for execution of the contract within the time period mentioned. In case of delay in submission of performance security, enhanced performance security which would include interest (SB/ rate + 6%) for the delayed period, shall be submitted by the bidder. Further, if performance security is not submitted till such time the first bill becomes due, the amount of performance security due shall be recovered as per terms defined in NIT I contract, from the bills along with due interest "

9. RISK PURCHASE CLAUSE

In case of delays in supplies / defective supplies or non-fulfilment of any other terms & conditions given in the work Order the purchaser/contracting executive may cancel the work order in full or part thereof and may also make the purchase of the material / service from elsewhere / alternative source at the risk and cost of supplier. Vendor/Contractor does not agree to above clause, their offer is liable to be rejected. In case any vendor/contractor accepts risk purchase clause initially and subsequently declines to honour the term in the eventuality of RISK PURCHASE, they may be banned for business with BHEL."

10. Time and Extension for delay

The time allowed for execution, which shall be mutually agreed between the BHEL and the contractor, and mentioned in the work order, along with these conditions shall be the essence of the contract. The execution of the work shall commence from the 15th day after the date on which the Engineer-in-charge issues written order to commence the work. If the contractor commits default in commencing the execution of the work as aforesaid, Company / Corporation shall without prejudice to any other right or remedy be at liberty to cancel the order, and forfeit the earnest money / security deposit.

10.1 As soon as possible after the contract is concluded, the Engineer-in-charge and the contractor shall be agree upon a time and progress chart. The chart shall be prepared in direct relation to the time in the contract documents for completion of the work. It shall indicate the forecast of the dates of the commencement and completion of various activities to be done for completion of the work as per contract. This may be amended as necessary by agreement between the Engineer-in-charge and the contractor within the limitation of time imposed in the contract document and further ensure good progress during the execution of the work. The contractor shall in all cases in which the time allowed exceed one month, complete 1/8th of the whole of the work before 1/4th of the whole time allowed in the contract has elapsed, 3/8th of the work before 1/2 of such time has elapsed and 3/4 the before 3/4th of such time has elapsed.

10.2 If the work be delayed by :

- a) Force majeure or
- b) Serious loss or damaged by fire or
- c) Delay of the part of other contractor or company / corporation in executing work not forming part of contractor
- d) Non availability / release of the machine which is the responsibility of the company /corporation.
- e) Any other cause which is the absolute direction of accepting authority is beyond contractor's control.

Then upon the happening of any such delay the contractor shall immediately give notice whereof in writing to the Engineer-in-charge but shall never the less use constantly his best endeavors to prevent or mark good the delay and shall be all that may be reasonably required to the satisfaction of the Engineer-in-charge to proceed with the work.

10.3 Request for extension of time to be eligible for consideration shall be made by the contractor in writing within fourteen days of the happening of the event causing delay. The contractor may also, if practicable, indicate in such a request the period for which the extension is required.

10.4 The accepting authority may give a fair and reasonable extension of time for completion of work. Such extension shall be communicated to the contractor by the Engineer-in-charge in writing within one month of the date of receipt of such request.

11 **Engagement of staff:-**

The contractor shall engage sufficient staff either through direct employment or through sub-contractor where such subletting is permitted to maintain the required rate of progress and of quality to ensure workmanship of the degree, specified in the contract and to the satisfaction of the Engineer-in-charge. The contractor shall not employ in connection with the work, any person who has not completed his 18 year of age.

11.1 The contractor shall furnish to the Engineer-in-charge a complete list of the persons engaged on the work giving the following details.

- (a) Name (b) age (c) Trade

Change over subsequently if any shall be furnished by the contractor to the Engineer-in-charge.

11.2 The contractor, shall comply with the provisions of the payment of wages/Act 1936, minimum wages act 1948 Employees Liability Act 1938, Workman's compensation Act 1923. Industrial Disputes Act 1947. Maternity Benefit Act 1961 or any modifications there/of or any other rules relating thereto and rules and regulations from time to time.

11.3 The contractor shall indemnify the company / corporation against any payment to be made under and for observances of the regulations aforesaid without prejudice to his right to claim indemnity from this sub-contractors.

- 12 **Safety Code**:-The contractor shall, at his own expense arrange for the safety provisions as required by the Engineer-in-charge in respect of all worker directly or indirectly employed for the work and shall provide all facilities in connection there with. In case the contractor fails, to make arrangements and provide necessary facilities, the Engineer-in-charge shall be entitled to do so, and recover the cost there of, from the contractor.
- 13 **Nuisance**:- The contractor shall not at any time do cause or permit any nuisance on the work site or do anything which shall cause unnecessary disturbance or convenience to other workers.
- 14 **Worker Insurance**: - Contractor shall insure their men as per the workman's compensation act.
- 15 **Contractor's Supervision**:-
The contractor shall either himself supervise the execution of the work or shall appoint competent man approved by the Engineer-in-charge to act on his behalf.
- 16 **Inspection and Approval**:- All work embracing more than one process shall be subject to examination & approval at each stage there of and the contractor(s) shall given due notice to the Engineer-in-charge or his authorised representative when each stage is ready.
 - 16.1 No work shall be covered up or put out of view without the approval of Engineer-in-charge, or his representative and the contractor shall afford full opportunity, for examination of any work which is about to be covered up or put out of view. In the event of the failure of the contractor to do as aforesaid if required by Engineer-in-charge, he shall uncover such work at contractor's own expenses.
 - 16.2. Removal of workers: The contractor shall employ for the execution of the works only such persons as are skilled and experienced in their trades and the Engineer-in-charge shall be at liberty to object and require the contractor to remove from the work any person employed by the contractor for the execution of the work, who in the opinion of Engineer-in-charge misconducts himself or is incompetent or negligent in performance of his duties, and such persons shall not be re-employed for the work without the written permission of the Engineer-in-charge.
17. **Terms of Payment**: Mentioned in annexure I
18. **Defects Liability Period Guarantee**:
 - a. The contractor shall guarantee the executed work for satisfactory performance for two months from the date of handing over with any major impairment to the accuracies and performance excluding mal-operations and accidents.
 - b. If any defect is noticed during the two months period of Guarantee contractor is liable to rectify the same free of cost within a fortnight from the receipt of the intimation.
 - c. Defects Liability period-guarantee the executed work for the satisfactory performance for two months from the date of handing over with any major impairment to the accuracies and performance excluding mal operations and accidents.
 - d. If any defect is noticed during the two months period of Guarantee, Contractor is liable to rectify the same free of cost within a fortnight from the receipt of the intimation.
19. **Cancellation of contract in full or part**:

If the contractor:-

- a. At any time makes default in proceedings with the work due to negligence and continues to do so after a notice in writing of 7 days from Engineer-in-charge or,
- b. Commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given by Engineer-in-charge in that behalf or,
- c. Shall offer or give or agree to give to any person in M/s BHEL, Bhopal services are to any other person on his behalf any gift or consideration of any kind as on inducement or reward for doing or for hearing to do for having done or for borne to do any other contract for the Company / corporation or,
- d. Shall obtain a contract with the Company/ or Corporation as a result of retendering or other non-bonafide methods, competitive tendering then the Accepting Authority may without prejudice to any other right to remedy, can cancel the contract in full or part.

20. Arbitration and law:

All disputes between the parties to the Contract arising out of or in relation to the Contract, other than those for which the decision of the Engineer in the Contract or any other person is expressed to be final and conclusive, shall after written notice by either party to the contract to the other party, be referred to sole arbitration of the General Manager or his nominee. The Arbitration shall be conducted in accordance with the provisions of the Indian Arbitration and Reconciliation Act, 1996.

There will be no objection if the arbitrator is appointed is an employee of BHEL and that had to deal with the matters to which the contract relates and that in the course of his duties, as such he had expressed views on all or any of the matters in dispute or difference.

The arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, such General Manager as aforesaid at the time of such transfer, vacation of office or inability to act, shall appoint another person to act as arbitrator in accordance with the terms of contract. Such person shall be entitled to proceed with the reference from the stage at which his predecessor left it. It is also a terms of this contract that no person other than a person appointed by such General Manager, as aforesaid should act as arbitrator and if for any reason, that is not possible, the matter is not to be refereed to arbitration at all.

Subject as aforesaid the provision of the arbitration Act, 1996, or any statutory modification/reconditioning or reactant thereof and the rules made there under and for the time being in forces shall apply to the arbitration proceeding under this clause. The seat of arbitration shall be Bhopal.

The cost of arbitration shall be borne as per award of arbitrator.

It is a term of the contract that the party involving arbitration shall specify the dispute or disputes to be referred to arbitration under this clause together with the amount or amount claimed in respect of each dispute. The arbitrator (s) may from time to time will consent of the parties enlarge the time for making and publishing the award.

The work under the contract shall if reasonably possible continue during the arbitration proceedings and no payment due or payable, to the certifying agency shall be withheld on account of such proceedings. The arbitrator shall be deemed to have entered in the reference on the date of the first hearing. The arbitrator shall give a separate award in respect of such dispute or difference referred to him.

The arbitration proceedings shall be held at Bhopal. The jurisdiction of courts for these proceeding shall be at Bhopal.

21. **Related Party:-** The party submitting the bid shall give the information in case of related party transaction, which means if a Director or Key Management Person (KMP) of the BHEL or their relative hold position in the bidder's company shall give the information.

22. **Jurisdiction:-**The jurisdiction in all cases shall be at Bhopal alone.

23. **Integrity Pact :Integrity Pact (IP) Clause:**

23.1 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. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

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

23.2 The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with technocommercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such as IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

23.3 Please refer Section-B of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

Note: 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's officials whose contact details are provided below:

Details of contact person(s):

(1)	(2)
Name: Ramesh Chandra	Name: Asad Iqbal
Designation: Sr. DGM	Designation: Dy. Mngr
Deptt: FHX	Deptt: FHX
Address: Block –I Maintenance, BHEL, Piplani , Bhopal- 462021	Address: Block –I Maintenance, BHEL, Piplani , Bhopal- 462021
Ph: (Landline/ Mobile): 0755-2503755/ 9425604882	Ph: (Landline/ Mobile): 0755-2503350/ 9479444786
Email: ramesh.chandra@bhel.in	Email: asadiqbal@bhel.in

Signature of Issuing Officer
Date

Signature of Contractor
Date

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for _____

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions:

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) 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.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to

demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors

- 6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.
- 6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 - Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

- 8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.
- 8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.12 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

- 9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.
- 9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On behalf of the Principal

(Office Seal)

Place-----

Date-----

Witness:-----

(Name & Address) -----

For & On behalf of the Bidder/

Contractor

(Office Seal)

Witness:-----

(Name & Address) -----

Annexure-III

INSTRUCTIONS TO CONTRACTOR FOR STATUTORY COMPLIANCES FOR WORKS CONTRACT

1.0 Statutory registrations and clearances

Contractor shall commence the work only after obtaining valid Labour License, independent Provident fund no., ESI Registration no., Income tax no. and Clearance Certificate in respect of Provident Fund, ESI and Income Tax from respective enforcement authorities.

2.0 Appointment and termination of workers by contractor

- 2.1 Contractor shall make appointment of his Employees only for a specific period and same shall be recorded in employment card. Appointment letter should clearly state that the services shall stand terminated on expiry of contract period or completion of the work.
- 2.2 Contractor shall have the sole discretion to decide on employing, rewarding or terminating the services etc. of his employees. However, his employees must possess such qualifications, experience, age requirement and medical and physical standards as required for the work awarded to the contractor.
- 2.3 In case of termination of services of any employee of contractor, the contractor will ensure that wage payment and other dues to his employee is made within 48 hours of termination of services of such employee. While termination of the services of any of his employee, the contractor will discharge all formalities as per the Industrial Dispute Act such as payment of retrenchment compensation and gratuity as due and admissible.

3.0 Attendance Card

Contractor has to provide attendance card to his employee who will obtain endorsement of time of arrival at the work place and time of leaving the work place. The contractor shall maintain Attendance card which will be retained by his employee and will be handed over to the contractor after the end of each wage month.

Identification card

- 3.1 Contractor shall provide to each of his employee an identification card which shall have his photograph verified by contractor, his name, place of work and name of the contractor.

4.0 Statutory obligations

16.2 Contractor shall engage only adult workers who have attained the age of 18 years.

16.3 Contractor shall observe local laws. As far as possible unskilled workers shall be engaged from the local areas only in which work is being executed.

- 4.3 Contractor shall not employ any inter-state migrant workmen as defined in the Inter-State Migrant Workmen Act in the establishment except by prior permission of the Principal Employer.
- 4.4 Contractor shall observe Provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employee. No work shall be done on second/third shift, overtime, Sundays or on other declared holidays without written permission.
- 4.5. In case a contractor employs women as his employee, he will discharge his obligation under law in respect of such women workers such as prohibition of engaging them during night-hours, prohibition of employing them for more than 9 hours per day, provision of creche facility, grant of paternity leave as per rules etc.
- 4.6. Payment of bonus under the Payment of Bonus Act, Payment of gratuity under the payment of Gratuity Act, will be the sole responsibility of the contractor.

5.0 PF & ESI Contribution & Returns

- 5.1 Contractor shall remit Provident fund contribution of employee's together with Employer's within 15 days from the date of disbursement of wages to his employee. Monthly and annual returns in 3A & 6A prescribed forms should be submitted to the RPFC office, Bhopal. Present rate of employer share of PF is 13.0% and employee share is 13% .
- 5.2 Contractor shall remit ESI contributions of employee's together with employer's within 21 days of the last day of the calendar month in which the contribution falls due and shall send a return of contribution in Form 6 before 12th May and 12th November of every year along with receipted challans to ESI office. Present rate of employer share is ESI 4.75% and employee is 1.75%
- 5.3 Contractor shall submit a copy of latest PF& ESI returns and inspection reports from statutory authorities along with a copy of challans for having deposited PF & ESI contributions every month.
- 5.4. Contractor shall submit following Certificate for each contract separately.

“ It is certified that PF challans of the amount ----- pertains to my workers whose names are appearing in the wage sheet of the month ----- and these workers are engaged in ----- (type of work) against work order no. ----- in ----- (name of department).

Signature of Contractor

Note : - Similar certificate shall be submitted for ESI also.

- 5.5 Contractor shall fully comply all other formalities as per the PF & ESI statutory provisions and submit a copy of the same for replying to Statutory authorities in case of any complaints.

6.0 Contribution to M.P. Welfare Board

- 6.1 Contractor should ensure payment of contribution as per section 9 of “The M.P. ShramKalyanNidhiAdhiniyam 1982. Both employee's contribution and employer's contribution should be paid every year before 15th day of July and 15th day of January.
- 6.2 Presently, if the name of employee stands on the register of an establishment on 30th June and 31st December respectively, the amount of contribution payable every six month by every employee shall be ONE RUPEES only and by an employer shall be

THREE RUPEES payable every six months. The contribution payable by employer every six month shall not be less than Rs. 150/-

7.0 Medical care in case of accident

- 7.1 It is the responsibility of contractor to undertake necessary care and make arrangement for transportation and the treatment of his employee at ESI Hospital. Medical treatment in emergency cases on written request of contractor shall be done in Kasturba Hospital for which the charges should be deposited in advance or BHEL is authorized to deduct the medical expenses from the bills of the Contractor. BHEL will have the right to deduct the medical expenses from the bills of the contractor.

Contractor should assist and guide his employees for claiming lawful benefits from ESI.

8.0 Supervision

Contractor shall supervise the work by himself or employ competent and qualified supervisor to supervise and control his employee at the work spot during execution of work for effective supervision . They will also identify their employee and regulate entry at gate at the time of entering and leaving the factory. Name and address of the Supervisor shall be submitted to the concerned department by the contractor.

9.0 Payment of wages

- 9.1 Payment shall be made by the contractor to his employees as per their category & nature of work which shall not be less than the rates declared by CLC BHEL, Bhopal.
- 9.2 Contractor shall be responsible for making payment of wages before expiry of 7 days from the last day of wage period and to ensure disbursement of wages in the presence of the authorized representative of contract operating division who shall record under his signature at the end of entries in the Register of wages in the following form

“ Certified that the amount shown in column no. has been paid to the workers concerned in my presence on date at time.....”.

Signature of representative

- 9.3 Contractor shall distribute wage slip to his employee one day before the last day of the month.
- 9.4 Contractor shall furnish a copy of the Wage Bills after disbursement of wage to his employee duly witnessed by the nominated representative of the contract operating division. The contractor must note that this copy will be used by BHEL to make payment of wages for the subsequent month in the event of failure on the part of contractor to make payment of wage within the prescribed period. If payment of wage through this method in the absence of any other available document results in excess payment than what is due and admissible to the employee of the contractor, the responsibility for such excess payment will be that of the contractor.

10.0 Safety and disciplinary action

Contractor shall ensure that his employee do not indulge in any unsafe or hazardous practices. They use safety equipment such as safety belts, safety shoes, goggles,

helmet and masks where use of such equipment is required in day-to-day operations. All such safety gadgets will be provided by the contractor failing which the contract operating division will provide safety equipment to such employee of the contractor at the cost of the contractor to be recovered from his bills. Contractor shall fully indemnify BHEL against any claim for damages for injury to person or property resulting from such accidents.

- 10.1 Contractor shall take prompt disciplinary action as per "Model Standing Orders" on the advise of Contracting officer .

11.0 Records & information to be furnished by contractor

- 11.1 Contractor shall maintain neatly, completely and legibly registers, records, reports and returns for inspection by various authorities at short notice.

- 11.2 Contractor shall submit the details of work awarded to him by other departments indicating work order No., nature of work and maximum number of workers employed etc.

- 11.3 Contractor shall provide information as required in respect of all of his employees employed by him to enable the Contract operating division to monitor compliance of P.F./ESI and also to enable him to furnish information to Ministry and Labourdeptt. as may be required.

- 11.4 Contractor shall provide full particulars of each employee employed by him before start of the work and from time to time. He will also endorse a copy of returns furnished by him to the Labour Department under the Contract Labour(Regulation and Abolition) Act 1970 .

12.0 Security deposit & Indemnity Bond

- 12.1 Contractor shall make Security Deposit to use this security amount to discharge any legal obligations otherwise cast on the contractor under the Contract Labour (Regulations and Abolition) Act, The Factories Act, Workmen Compensation Act, The Minimum Wages Act, The Payment of Wages Act, The Interstate Migrant Workmen Act or any other law for the time being in force. Security money shall remain upto 3 months after termination/ completion of contract. No interest shall be payable on such Security deposit.

- 12.2 Notwithstanding the above, in case of any financial loss incurred by company on account of contravention of Provident fund, ESI, Minimum Wages Act or any other act, rule and regulations the contractor shall be responsible to make good the loss incurred by the company.

- 12.3 The contractor will not engage any sub-contractor without a specific permission in writing and where so permitted he will furnish an Indemnity Bond. Indemnifying the BHEL from any actions of his sub-contractor(s) which may be involving extra financial liabilities.

13.0 Abandoning the work

- a. In the event of contractor abandoning the work or BHEL revoking the contract, BHEL shall deserve the right to get the unfinished work completed at the contractor's risk and cost.
- b. If the work is not executed or partly executed within the agreed execution period period, BHEL reserves the right to cancel the order and get the work executed from the alternate source(s) at the Risk and Cost of the Contractor. In such an event, it shall be obligatory on the part of contractor to make good any loss suffered by BHEL

14.0 Termination of Contract

Contract awarded is liable for termination for any contravention of statutory provisions or any other reasons without assigning any explanation or notice to the contractor.

15.0 Compliance of Statutory provisions

15.1 Contractor shall fully comply provisions of the following enactments and other enactments as applicable for such contracts.

- Contract Labour (R&A) Act 1970 and rules 1971.
- Payment of Wages Act.
- Minimum Wages act 1948, M.P. Rules 1958
- Employees State Insurance Act 1948, Rules and regulations 1950
- Employees Provident Fund Act 1952 and Pension Scheme 1995

Signature of Issuing Officer_____

Signature of Contractor_____

Date_____

Date._____

Annexure-IV

**CONTRACTOR HAS TO ENSURE FOLLOWING
STATUTORY COMPLIANCES:-**

1. Every contractor has to have bank account. Payment to him will be by electronic transfer of funds. All contract labour will be required to have bank account No. and payments shall be made to them only through their bank accounts/cheque.
2. Works contractor has to comply with the following statutory requirements:-
 - i. Labour license
 - ii. PF & ESI Registration and deposit of contributions.
 - iii. Deposit of MP Labour Welfare Fund.
 - iv. Registration under MP Shop & Establishment act.
3. Amongst others, the following records/returns/documents have to be prepared / furnished by the contractor and copy to be handed over to engineer incharge:-
 - i. Notice of commencement of the contract to the Dy. Labour Commissioner, Bhopal within one month of the contract. Similarly, notice of completion of the contract has also to be submitted.
 - ii. Copy of Employment Card of each contract labour to be submitted to CLX before issue of token/passes.
 - iii. Wage slip to be issued at the end of every wage period to every contract labour.
 - iv. Attendance Card in respect of each contract labour.
 - v. Contribution card of PF of each contract labour.
 - vi. Form 3A & 6A as per PF Act by the contractor.
 - vii. Identify card under ESI Scheme for every contract labour.
 - viii. Registrar of Adult workers as provided by Factories Act.
 - ix. Leave record to be prepared as per factories act.
 - x. Annual Return of Bonus paid.
4. The contractor shall attach a declaration with every bill that the records as above are maintained at his end. Departments shall specify that copy of the records have been received. The contractor shall engage a competent hand, preferably a commerce graduate with Computer proficiency, who will be responsible for maintenance of these records with respect to each contract he executes & the contractor's offer shall contain name of such person.

Signature of Issuing Officer

Signature of Contractor

Annexure-V**1. Attendance Record of contract workers**

- Contractor shall maintain an **Attendance Register** against work order in respect of the contract laborers deployed by him in the department. The contractor shall record the daily attendance of the workers.
- The register shall bear the daily signature of the contract workers & contractor.
- The register shall at all the times of work be available at the place of work/dept. and made available when required by Inspection agencies.
- If during any inspection, the attendance register is not found at the place of work, the contract is liable to be short closed/ terminated.
- Attendance register shall be maintained in the format of Form No XVI as per CL (R&A) Central rules 1971.

2. Wage record of contract workers

- Contractor shall maintain a **Wage Register** against each work order in respect of the contract laborers deployed by him in the department.
- Wage Register shall be maintained in the format of Form No. XVII/XVIII as per CL (R&A) Central Rules 1971.
- The Wage Register shall be based on the Attendance Register as mentioned above.
- Every contractor shall issue Wage Slip to each contract worker every month on the last day of the wage month. Wage slip shall be as per the CLC format available at page.
- The Contractor shall pay wages not later than 7th of the succeeding month. Any default on this has serious legal complications including prosecution and payment of fine(upto 10 times). Situation with respect to each work order has to be reviewed every month.

3. Compliance of PF/ ESI deductions

- Contractor shall file the electronic return of PF/ ESI and submit proof of payment of both the employer's and employees' contributions every month. (PF has to be remitted by 15th and ESI by 21st of the succeeding month).
- Contractor shall submit the challan along with copy of a self-certified list of contract workers of the work order bearing their names and PF/ESI no. for which the contribution has been submitted by him for the said period.
- After verifying that the contributions of the workers have been deposited by the contractor, shall forward the PF/ ESI challans along with the wage bill and the covering certificate as is in practice to Finance department along with bill through HR department for verification of PF/ESI compliance.
- Finance department shall insist on copy of PF /ESI challans before clearing the bill.

4. ESI card based Labour Entry

- Only those workers shall be allowed entry into Factory premises who have valid ESI card.
- This arrangement shall continue till the bio-metric card is introduced for the contract labour which shall be expedited for early introduction.

5. Compliance of wearing Uniform, shoes & helmet by contract workers

- In the first month of the execution of work order the contractor shall provide uniform, shoes & helmet to his workers and provide an undertaking on this regard to the department.
- HOD will endorse the undertaking after due verification of compliance.
- First running bill will be processed only on the production of the undertaking.
- In case of non-compliance beyond second month, notice of termination of contract will be issued.

6. Supervision of Contractor labour

- Contractor shall provide at least one identified supervisor per shift. All issues regarding discipline at the works like Work allocation, early exit, snacks distribution etc. are to be his personal responsibility.

7. Contract labour accidents while at work

- Any contract worker meeting with an accident while at work shall be provided all possible medical treatment available in Kasturba Hospital.
- Kasturba hospital shall raise the bill for the expenses incurred on the treatment of the worker.
- Cost of treatment to be deducted from the next bill of the contractor. There shall be no insistence on deposit of advance for the treatment.
- In case of medical emergencies faced by worker at work, medical facilities in the interest of the well-being of the worker shall be provided by BHEL. The decision of the doctors attending the emergency shall be final and binding. The cost incurred shall be deducted from the bills of the contractor.
- Contractor has to complete the ESI formalities and BHEL shall submit claim of reimbursement of medical expenses to ESI. The amount reimbursed by ESI shall be paid back to the contractor.

8. First and Final Bill to be cleared only after submission of Form VI A & VI B

- Contractor shall within 5 days from commencement and also on completion of Work Order, submit Form VI B which is a mandatory requirement.
- Contractor shall within 5 days of commencement/completion of Work Order submit Form VI A to RLC office.
- Contractor shall submit a copy of Form VI A bearing the receipt seal of RLC office to HR.
- First/final bill shall be processed on clearance from HR regarding submission of Form VI A and VI B by contractor.
- HR will allot Work order no. only after the contractor concerned furnishes copy of Form VI A regarding the closure of the earlier contracts.

9. Force Majeure Clause:

Notwithstanding anything contained in the contract, neither BHEL nor the Contractor shall be held responsible for total or partial non-execution of any of the contractual obligations, should the obligation become unreasonably onerous or impossible due to occurrence of a 'Force Majeure' which directly affects the obligations to be performed by the Purchaser or the Seller; Such events include war, military operations of any nature, blockages, revolutions, insurrections, riots, civil commotions, insurgency, sabotage, acts of public enemy, fires, explosion, epidemics, quarantine restrictions, floods, earthquake, or acts of God, restrictions by Govt. authorities; over which the BHEL or the contractor has no control.

The party claiming to be affected by force majeure shall notify the other party in writing without delay, within two weeks from the occurrence of such situation and on the cessation thereof. Extension of time sought by the contractor along with supporting evidence and so granted by BHEL for the work affected, if any, shall not be construed as waiver in respect of remaining execution. Rescheduling of execution on account of force majeure conditions, if so agreed by BHEL, will not entail the contractor to claim any increase in the price on whatsoever account.

Notwithstanding above provisions, BHEL shall reserve the right to cancel the Contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements. If deemed necessary, BHEL may takeover partly processed work at a mutually agreed price.

10. Worker Compensation in event of accident:

"BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life /permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below".

- a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.
- b) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/ operation and works incidental thereto at BHEL factories/offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ Project Sites.
- c) Compensation in respect of each of the victims:
 - (i) In the event of death or permanent disability resulting from Loss of both limbs: Rs. 10,00,000/- (Rs. Ten Lakh)
 - (ii) In the event of other permanent disability: Rs.7,00,000/- (Rs. Seven Lakh)
- d) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2 (I) of the Employee's Compensation Act,1923."

Signature of issuing officer

Signature of

Contractor

Date

Date

**MODEL CONCILIATION CLAUSE FOR CONDUCTING CONCILIATION
PROCEEDINGS UNDER THE BHEL CONCILIATION SCHEME, 2018**

The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the agreement, contract or the Memorandum of Understanding (delete whichever is inapplicable), which the Parties are unable to settle mutually), arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.

Notes:

1. No serving or a retired employee of BHEL/Administrative Ministry of BHEL shall be included in the BHEL Panel of Conciliators.
2. Any other person(s) can be appointed as Conciliator(s) who is/are mutually agreeable to both the parties from outside the BHEL Panel of Conciliators.

The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in Annexure-IV to this GCC.

The Annexure IV together with its appendices will be treated as if the same is part and parcel hereof and shall be as effectual as if set out herein in these GCC.

**ANNEXURE TO MODEL CONCILIATION CLAUSE FOR CONDUCT OF
CONCILIATION UNDER THE BHEL CONCILIATION SCHEME, 2018**

BRIEF PROCEDURE FOR CONDUCT OF CONCILIATION PROCEEDINGS

1. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided herein:
2. The party desirous of resorting to Conciliation shall send an invitation/notice in writing to the other party to conciliate specifying all points of Disputes with details of the amount claimed. The party concerned shall not raise any new issue thereafter. Parties shall also not claim any interest on claims/counter-claims from the date of notice invoking Conciliation till the conclusion of the Conciliation proceedings.
3. The party receiving the invitation/notice for Conciliation shall within 30 days of receipt of the notice of Conciliation intimate its consent for Conciliation along with its counter-claims, if any.
4. The Conciliation in a matter involving claim or counter-claim (whichever is higher) up to Rs 5 crores shall be carried out by sole Conciliator nominated by BHEL while in a matter involving claim or counter-claim (whichever is higher) of more than Rs 5 crores Conciliation shall be carried out by 3 Conciliators nominated by BHEL.
5. The Parties shall be represented by only their duly authorized in-house executives/officers and neither Party shall be represented by a Lawyer.
6. The first meeting of the IEC shall be convened by the IEC by sending appropriate communication/notice to both the parties as soon as possible but not later than 30 days from the date of his/their appointment. The hearings in the Conciliation

proceeding shall ordinarily be concluded within two (2) months and, in exceptional cases where parties have expressed willingness to settle the matter or there exists possibility of settlement in the matter, the proceedings may be extended by the IEC by a maximum of further 2 months with the consent of the Parties subject to cogent reasons being recorded in writing.

7. The IEC shall thereafter formulate recommendations for settlement of the Disputes supported by reasons at the earliest but in any case within 15 days from the date of conclusion of the last hearing. The recommendations so formulated along with the reasons shall be furnished by the IEC to both the Parties at the earliest but in any case within 1 month from the date of conclusion of the last hearing.
8. Response/modifications/suggestions of the Parties on the recommendations of the IEC are to be submitted to the IEC within time limit stipulated by the IEC but not more than 15 days from the date of receipt of the recommendations from the IEC.
9. In the event, upon consideration, further review of the recommendations is considered necessary, whether by BHEL or by the other Party, then, the matter can be remitted back to the IEC with request to reconsider the same in light of the issues projected by either/both the Parties and to submit its recommendations thereon within the following 15 days from the date of remitting of the case by either of the Parties.
10. Upon the recommendations by the Parties, with or without modifications, as considered necessary, the IEC shall be called upon to draw up the Draft Settlement Agreement in terms of the recommendations.
11. When a consensus can be arrived at between the parties only in regard to any one or some of the issues referred for Conciliation the draft Settlement Agreement shall be accordingly formulated in regard to the said Issue(s), and the said Settlement Agreement, if signed, by the parties, shall be valid only for the said issues. As regards the balance issues not settled, the parties may seek to resolve them further as per terms and conditions provided in the contract.
12. In case no settlement can be reached between the parties, the IEC shall by a written declaration, pronounce that the Conciliation between the parties has failed and is accordingly terminated.
13. Unless the Conciliation proceedings are terminated in terms of para 22 (b), (c) & (d) herein below, the IEC shall forward his/its recommendations as to possible terms of settlement within one (1) month from the date of last hearing. The date of first hearing of Conciliation shall be the starting date for calculating the period of 2 months.
14. In case of 3 members IEC, 2 members of IEC present will constitute a valid quorum for IEC and meeting can take place to proceed in the matter after seeking consent from the member who is not available. If necessary, videoconferencing may be arranged for facilitating participation of the members. However, the IEC recommendations will be signed by all members. Where there is more than one (1) Conciliator, as a general rule they shall act jointly. In the event of differences between the Members of IEC, the decision/recommendations of the majority of the Members of IEC shall prevail and be construed as the recommendation of the IEC.
15. The Draft Settlement Agreement prepared by the IEC in terms of the consensus arrived at during the Conciliation proceedings between the Parties shall be given by the IEC to both the parties for putting up for approval of their respective Competent Authority.

16. Before submitting the draft settlement agreement to BHEL's Competent Authority viz. the Board Level Committee on Alternative Dispute Resolution (BLCADR) for approval, concurrence of the other party's Competent Authority to the draft settlement agreement shall be obtained by the other party and informed to BHEL within 15 days of receipt of the final draft settlement agreement by it. Upon approval by the Competent Authority, the Settlement Agreement would thereafter be signed by the authorized representatives of both the Parties and authenticated by the members of the IEC.
17. In case the Draft Settlement Agreement is rejected by the Competent Authority of BHEL or the other Party, the Conciliation proceedings would stand terminated.
18. A Settlement Agreement shall contain a statement to the effect that each of the person(s) signing thereto (i) is fully authorized by the respective Party(ies) he/she represents, (ii) has fully understood the contents of the same and (iii) is signing on the same out of complete freewill and consent, without any pressure, undue influence.
19. The Settlement Agreement shall thereafter have the same legal status and effect as an arbitration award on agreed terms on the substance of the dispute rendered by an arbitral tribunal passed under section 30 of the Arbitration and Conciliation Act, 1996.
20. Acceptance of the Draft Settlement Agreement/recommendations of the Conciliator and/or signing of the Settlement Agreement by BHEL shall however, be subject to withdrawal/closure of any arbitral and/or judicial proceedings initiated by the concerned Party in regard to such settled issues.
21. Unless otherwise provided for in the agreement, contract or the Memorandum of Understanding, as the case may be, in the event of likelihood of prolonged absence of the Conciliator or any member of IEC, for any reason/incapacity, the Competent Authority/Head of Unit/Division/Region/Business Group of BHEL may substitute the Conciliator or such member at any stage of the proceedings. Upon appointment of the substitute Conciliator(s), such reconstituted IEC may, with the consent of the Parties, proceed with further Conciliation into the matter either de-novo or from the stage already reached by the previous IEC before the substitution.
22. The proceedings of Conciliation under this Scheme may be terminated as follows:
- On the date of signing of the Settlement agreement by the Parties; or,
 - By a written declaration of the IEC, after consultation with the parties, to the effect that further efforts at conciliation are no longer justified, on the date of the declaration; or,
 - By a written declaration of the Parties addressed to the IEC to the effect that the Conciliation proceedings are terminated, on the date of the declaration; or, in
 - By a written declaration of a Party to the other Party and the IEC, if appointed, to the effect that the Conciliation proceedings are terminated, on the date of the declaration.
 - On rejection of the Draft Settlement Agreement by the Competent Authority of BHEL or the other Party.
23. The Conciliator(s) shall be entitled to following fees and facilities:

S. N.	Particulars	Amount
-------	-------------	--------

1	Sitting fees	Each Member shall be paid a Lump Sum fee of Rs 75,000/- for the whole case payable in terms of paragraph No. 27 herein below.
2	Towards drafting of settlement agreement	In cases involving claim and/or counter-claim of up to Rs 5crores. Rs 50,000/- (Sole Conciliator) . In cases involving claim and/or counter-claim of exceeding Rs 5 crores but less than Rs 10 crores. Rs 75,000 (per Conciliator) In cases involving claim and/or counter-claim of more than Rs 10 crores. Rs 1,00,000/- (per Conciliator) Note: The aforesaid fees for the drafting of the Settlement Agreement shall be paid on Signing of the Settlement Agreement after approval of the Competent Authority or Rejection of the proposed Settlement Agreement by the Competent Authority of BHEL.
3	Secretarial expenses	Rs 10,000/- (one time) for the whole case for Conciliation by a Sole Member IEC. Where Conciliation is by multi member Conciliators –Rs 30,000/- (one time)- to be paid to the IEC
4	Travel and transportation and stay at outstation i) Retired Senior Officials of other Public Sector	As per entitlement of the equivalent officer (pay scale wise) in BHEL.

	Undertakings (pay scale wise equivalent to or more than E-8 level of BHEL)	
	Others	As per the extant entitlement of whole time Functional Directors in BHEL. Ordinarily, the IEC Member(s) would be entitled to travel by air Economy Class.
5	Venue for meeting	Unless otherwise agreed in the agreement, contract or the Memorandum of Understanding, as the case may be, the venue/seat of proceedings shall be the location of the concerned Unit / Division / Region / Business Group of BHEL. Without prejudice to the seat/venue of the Conciliation being at the location of concerned BHEL Unit / Division / Region / Business Group, the IEC after consulting the Parties may decide to hold the proceedings at any other place/venue to facilitate the proceedings. Unless, Parties agree to conduct Conciliation at BHEL premises, the venue is to be arranged by either Party alternately.

24. The parties will bear their own costs including cost of presenting their cases/evidence/witness(es)/expert(s) on their behalf. The parties agree to rely upon documentary evidence in support of their claims and not to bring any oral evidence in IEC proceedings.

25. If any witness(es) or expert(s) is/are, with the consent of the parties, called upon to appear at the instance of the IEC in connection with the matter, then, the costs towards such witness(es)/expert(s) shall be determined by the IEC with the consent of the Parties and the cost so determined shall be borne equally by the Parties.

26. The other expenditures/costs in connection with the Conciliation proceedings as well as the IEC's fees and expenses shall be shared by the Parties equally.
27. Out of the lump sum fees of Rs 75,000/- for Sitting Fees, 50% shall be payable after the first meeting of the IEC and the remaining 50% of the Sitting Fees shall be payable only after termination of the conciliation proceedings in terms of para 22 hereinabove.
28. The travelling, transportation and stay at outstation shall be arranged by concerned Unit as per entitlements as per Serial No. 3 of the Table at para 23 above, and in case such arrangements are not made by the BHEL Unit, the same shall be reimbursed to the IEC on actuals limited to their entitlement as per Serial No. 4 of the Table at Para 23 above against supporting documents. The IEC Member(s) shall submit necessary invoice for claiming the fees/reimbursements.
29. The Parties shall keep confidential all matters relating to the conciliation proceedings. Confidentiality shall extend also to the settlement agreement, except where its disclosure is necessary for purposes of its implementation and enforcement or as required by or under a law or as per directions of a Court/Governmental authority/ regulatory body, as the case may be.
30. The Parties shall not rely upon or introduce as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the Disputes that is the subject of the Conciliation proceedings:
 - a. Views expressed or suggestions made by the other party in respect of a possible settlement of the Disputes;
 - b. admissions made by the other party in the course of the Conciliator proceedings;
 - c. proposals made by the Conciliator;
 - d. The fact that the other Party had indicated his willingness to accept a proposal for settlement made by the Conciliator.
31. The Parties shall not present the Conciliator(s) as witness in any Alternative Dispute Resolution or Judicial proceedings in respect of a Disputes that is/was the subject of that particular Conciliation proceeding.
32. None of the Conciliators shall act as an arbitrator or as a representative or counsel of a Party in any arbitral or judicial proceeding in respect of a Disputes that is/was the subject of that particular Conciliation proceeding.
33. The Parties shall not initiate, during the Conciliation proceedings, any arbitral or judicial proceedings in respect of a Disputes that is the subject matter of the Conciliation proceedings except that a Party may initiate arbitral or judicial proceedings where, in his opinion, such proceedings are necessary for preserving his rights including for preventing expiry of period of limitation. Unless terminated as per the provisions of this Scheme, the Conciliation proceedings shall continue notwithstanding the commencement of the arbitral or judicial proceedings and the arbitral or judicial proceedings shall be primarily for the purpose of preserving rights including preventing expiry of period of limitation.
34. The official language of Conciliation proceedings under this Scheme shall be English unless the Parties agree to some other language.

Format 2 to BHEL Conciliation Scheme, 2018

FORMAT FOR SEEKING CONSENT FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH IEC

To,
M/s. (Stakeholder's name)

Sub: Resolution of the Disputes through conciliation by Independent Expert Committee (IEC).

Ref: Contract No/MoU/Agreement/LOI/LOA& date _____.
Sir,

With reference to above referred Contract/MoU/Agreement/LOI/LOA, you have raised certain Disputes/claims. Vide your letter dated ____ you have requested BHEL to refer the Disputes/claims to IEC for Conciliation.

We are enclosing herewith Format (3) for giving consent and the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. You are requested to give your unconditional consent to the said terms and conditions of the Scheme by returning the same duly sealed and signed on each page. On receipt of your consent, matter will be put to the Competent Authority for consideration and decision.

Please note that BHEL has also certain claims against you (if applicable). BHEL reserves its right to agree or not to agree conciliation of the said disputes through BHEL and this letter is being issued without prejudice to BHEL's rights and contentions available under the contract and law.

Yours faithfully,

Representative of BHEL

Format 3 to BHEL Conciliation Scheme, 2018

FORMAT FOR GIVING CONSENT BY
CONTRACTOR/VENDOR/CUSTOMER/COLLABORATOR/ CONSORTIUM
PARTNERS FOR REFERRING THE DISPUTES TO CONCILIATION THROUGH
IEC

To,
BHEL
.....

Sub: Resolution of Disputes through Conciliation by Independent Expert Committee (IEC).

Ref: Contract/MoU/Agreement/LOI/LOA No & date _____

With reference to above referred contract, our following bills/invoices/claims submitted to BHEL are still unpaid giving rise to Disputes:

SL. No.	Claim Description	Bill submitted to BHEL (no. and date)	Amount of the bill/claim	Amount received from BHEL	Outstanding Amount

Accordingly we request you to kindly refer the Disputes in respect of above claims to IEC for Conciliation.

We hereby agree and give our unconditional consent to the terms and conditions of BHEL Conciliation Scheme, 2018 governing conciliation through IEC. We have signed the same on each page and enclosed it for your consideration.

Yours faithfully,
(Signature with stamp)
Authorized Representative of Contractor Name, with designation Date

Format 5 to BHEL Conciliation Scheme, 2018

STATEMENT OF CLAIMS/COUNTER CLAIMS TO BE SUBMITTED TO THE IEC BY BOTH THE PARTIES

- 1. *Chronology of the Disputes*
- 2. *Brief of the Contract/MoU/Agreement/LOI/LOA*
- 3. *Brief history of the Disputes:*

4. Issues:

5. Details of Clam(s)/Counter Claim(s):

Sl. No.	Description of claim(s)/Counter Claim	Amount (in INR)Or currency applicable in the contract	Relevant contract clause

6. Basis/Ground of claim(s)/counter claim(s) (along with relevant clause of contract)

Note– *The Statement of Claims/Counter Claims may ideally be restricted to maximum limit of 20 pages. Relevant documents may be compiled and submitted along with the statement of Claims/Counter Claims. The statement of Claims/Counter Claims is to be submitted to all IEC members and to the other party by post as well as by email.*

BHEL TERMS & CONDITIONS HEALTH, SAFETY & ENVIRONMENT

1. Rules To Be Observed, (while inside BHEL premises) :

- i) BHEL is a no-smoking zone. This rule shall be observed by all workmen at all times while inside BHEL.
- ii) Workers shall not indulge in gambling or consumption of liquor while inside BHEL.
- iii) No workmen shall enter BHEL in inebriated condition.
- iv) Contractor shall not post any worker at a workplace without instructing him of all Safety requirements, Technical requirements and all rules of proper conduct in line with Factories Act and BHEL Rules and regulations.

2. SAFETY :

- i) No workman shall be below the age of 18 years on the date of starting work in BHEL.
- ii) For any skilled / semi-skilled work, qualification is mentioned in annexure-I.
- iii) List of all Personal Protective Equipment which shall be provided by Contractor must be furnished at the time of quoting for tender. In the event where, after award of work order, it is found that Contractor's workmen are working without the required PPEs, BHEL reserves the right to provide the PPEs at the cost of Contractor. The expenses so incurred shall be deducted from the running/final bills of the contractor.
- iv) At the time of starting work, the contractor shall submit all PPEs through entries in BHEL Material Gate No-9 for such items as Face Shield, Respirators, Safety Belts, Dungarees, Welding shields etc. For other consumable nature of PPEs such as masks, ear-buds, muffs gloves, inspection at workplace, by BHEL personnel shall confirm whether workmen are provided the PPEs and are using the same.
- v) For such items as Safety shoes, Aprons, Uniform etc which are worn by the workmen on first day of commencement of work, the contractor shall get the signed endorsement from AGM concerned of the department where work is to be started, that workmen have been issued the relevant PPEs by contractor and that the same are being used.
- vi) The Signed endorsement of this sheet shall be sent to CLC division at the time of commencement of work.
- vii) Failing to furnish this endorsed copy will result in objection for processing the running / final bill, whichever is put up first, for clearing.

3. ENVIRONMENT:

- i) For any Chemicals, Paints or oils etc that the contractor may be required to be brought inside factory, the empty drums, containers etc shall be taken out through gate no-9 under intimation to AGM concerned of the department where work is carried out.
- ii) No oil or chemical etc shall be drained in the drains or water pools inside factory.

4. HEALTH

- i) As a general rule, no person above age 60 years shall be employed for contract work. However, if a specific skill set necessitates employing of a person above 60 years of age, the contractor shall specify this condition at the time of quoting for a tender. And BHEL reserves the right to allow / permit such a person to work inside BHEL. The necessary

condition for this shall be that the contractor shall furnish a certificate of Physical Fitness from a registered Medical doctor of current date mentioning the age of the person to be employed. However, this may be allowed only as an exception due to skill-requirement, and not as a general practice.

5. ROAD SAFETY :

- i) All vehicles brought inside the factory by contractor, shall have valid registration. The drivers or operators as the case may be, shall have valid licenses. The vehicles shall be Road-worthy and Load-worthy as applicable.
- ii) Operation of Battery operated trucks (BOT) and Fork-lift trucks inside factory shall be done only by workmen who hold valid licenses for motor vehicles. Maintaining road safety rules inside factory at all times is the prime responsibility of contractor's workmen. Any violation of the same shall be deemed a punishable offence in accordance with road safety rules. Any damage to the property of BHEL by any act of carelessness on road/mishap, shall be recoverable from the Contractor.

6. GENERAL SAFETY ASPECTS :

All Contractor's workmen shall abide by the rules & regulations of BHEL with respect to Safety, Health and Environment while inside BHEL Bhopal factory:

(1) BHEL's HSE policy shall be honored at all times. (2) PPEs shall be used as required at the work-place (3) No unsafe act shall be indulged-in, by the workmen. (4) Special written permission for working at heights shall be obtained by contractor. (5) Medical clearances as required for work shall be submitted before start of work. (6) While working at any machine tool area etc, BOTs, Cranes etc no mobile phone usage is allowed. (7) No loose clothings like shawls, mufflers, dupatta etc should be worn near machine tools. (8) Smoking is prohibited at all times inside factory. (9) No make-shift arrangements shall be made for any engineering shop-floor work. (10) Compressed air shall not be used for area or personal cleaning/de-dusting. (11) All stipulations of the Factories Act shall be honored and observed by contractor's workmen.

7. The following requirements are specific to the Skills, Trades and Situations as per Factories Act 1948. These have to be fulfilled by the contractor for allocating his worker(s) inside BHEL for any work awarded to him, for workers working at/on:

(All Factories Act & MP Rules to be fulfilled by contractor for Age, Skill, Training and Instruction for any of the below mentioned equipment, Machinery, Process)

7.1 Revolving Machinery, 7.2 Pressure Vessels, 7.3 Lifting Devices, 7.4 Power Presses, 7.5 Work at heights, 7.6 Any confined space, 7.7 Electrical Equipment
7.8 In the vicinity of other hazardous process/machinery

To be signed by contractor
(as proof of having read & agreed for compliance)

1. Wherever bidders are required to supply services at project site Party has to submit GST registration no. of the State in which project site is located along with copy of registration certificate at the time of submission of Bid. In case the same is not available at the time of submission of bid, the contractor has to give an undertaking that the same will be arranged before award of work order.
2. HSN Code/SAC, rate of tax under GST and applicable GST (IGST, CGST/SGST/UTGST) and GSTIN shall be clearly mentioned by the Bidder.
3. GST portion of the **invoice shall be released only upon:-**
 - 3.1 All invoices raised by contractors/vendors must be GST compliant Tax invoices as per GST invoice rules.
 - 3.2 Contractor declaring such invoice in his GSTR-1 or any modified return as notified by government
 - 3.3 Receipt of goods/services and Tax Invoice by BHEL and
 - 3.4 Confirmation of payment of GST thereon by contractor on GSTN portal
 - 3.5 Contractor has to give an undertaking to BHEL that they have declared invoice in his return and paying GST within timeline prescribed for availing ITC by BHEL.
Payment to Contractor for GST portion will be released only after completion of above activity and on availment of ITC by BHEL.
- 4 In case GST credit is delayed/denied to BHEL due to **non/delayed receipt of services/goods and /or tax invoice** or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from the contractor along with interest levied/ leviable on BHEL.

Reverse Charge under GST5A. In respect of services, reverse charge liability shall arise at the earliest of date of payment to service provider or 60 days from the date of issue of invoice by service provider. Contractor has to submit bill for payment within 30days from the date of invoice. Any interest or penalty implications attributable to the contractor shall be recovered from them.

5B. Any GST liability arising on BHEL under reverse charge before actual receipt of goods and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other condition specified in GST Law.

6.Tax Deduction at source: TDS as per extent provisions of the IT & GST Law shall be deducted from supplier/contractor bill.

Signature of issuing officer
Date

Signature of Contractor
Date

TOOLS & TACKLES

Bidder has to Provide General Purpose Tools and Tackles for day to day maintenance work as per details mentioned below.

1. Set of Open Ended Spanners upto size M27: Qty 20 sets
2. Set of Ring Spanners upto size M27: Qty 20 sets
3. Adjustable Spanner with jaw opening upto 30 mm: Qty. 20 nos
4. Set of Screw drivers upto flat size 10mm. Qty 20 sets.
5. Box Spanner upto size M27: Qty 20 sets
6. Ratchet & Socket Spanner upto size M10: Qty 10 sets
7. 1 set of Allen key of mm size upto M10 and Inch size upto "1/2": Qty 10 sets each.
8. Pipe Wrenches of size 12 inches and 36 inches: Qty 10 nos each
9. Testers : 30 nos
10. Nose Pliers: 30 nos.

Note:

1. Successful bidders has to provide above listed tools in accordance to the split ratio of Contract.
2. Any special purpose tools and tackles shall be provided by BHEL free of cost as and when required.

Annexure IX**EFT Format**

To

M/s Bharat Heavy Electrcials Limited
P.O. Piplani Bhopal (MP) 462022

**VENDOR/
CONTRACTOR
CODE(S)**

Dear Sir/Madam,

Sub: Authorization of our payment through EFT/NEFT/RTGS

We hereby authorize M/s BHEL Bhopal to make our payments through Electronic Fund Transfer System. The details for facilitating the payments are given below:

1. **NAME OF THE BENEFICIARY :** _____2. **ADDRESS :** _____ **PIN** _____3. **TELEPHONE NO. WITH STD. CODE :** _____4. **BANK PARTICULARS**A) **BANK NAME :** _____B) **BRANCH ADDRESS :** _____ **PIN** _____C) **9 DIGIT MICR CODE :** _____D) **BANK ACCOUNTNO :**

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

E) **BANK ACCOUNT TYPE :**

SAVING	CURRENT	LOAN	CASH CREDIT	OTHERS (PL. SPECIFY)
--------	---------	------	-------------	----------------------

F) **IFSC CODE :** _____ **G) BRANCH CODE:** _____5. **BENEFICIARY AUTHORISED E-MAIL ADDRESS :** _____

I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected due to incomplete or incorrect information, I/We would not hold the Company responsible.

Name of the authorized Signatory: _____

Date : _____

SIGNATURE & OFFICE STAMP

Proposed Bank Certification: It is certified that above mentioned beneficiary holds a bank account No. with our branch and the Bank particulars mentioned above are correct.

Name of the authorized Signatory: _____

Date : _____

SIGNATURE & OFFICE STAMP

No Objection Certification from Existing Bank (In case of change of Bank): we have no-objection w.r.t. further payment made by M/s BHEL in the above mentioned account. Bank details of the above mentioned beneficiary with our bank are as follows:

Account No: _____

Bank Address : _____

Please refer point no 7 of the instructions

SIGNATURE & OFFICE STAMP

Endorsement of the SDC (MM)/ PO Issuing Authority or WO Issuing Authority.

All original documents are to be forwarded to Dy. Manager/Finance/Cash Planning Section.**Instructions for filling up the format**

1. Details to be addressed to the followings
 - Contract awarding agency in case of work(s) contract and other contingent supplies
 - CDC/CRX in case of transporter
 - Medical MM in case of Medical Purchase
 - SDC/MM where the purchase order issued by MM
2. All details must be filled in capital letters
3. A cancelled blank cheque must be enclosed for verification of Account No, MICR and IFSC Codes.
4. Official Stamp along with designation must be affixed below the signature
5. Bank authorization is mandatory
6. All documents in original are to be submitted to BHEL.
7. In case of change of bank, no objection certificate is required from the existing bank on bank letterhead with suitable clarification.
8. Form with correction(s) or overwriting will not be accepted.

Dy. Manager/Finance
Cash Planning Section

ANNEXURE X

WAGES CONTRACT ESTIMATE CALCULATION FOR ONE YEAR

S. No.	Particulars			Skilled		Semi Skilled		Unskilled	
	BHEL Recommended daily wages/day wef from 01.10.2022			445.00		392.00		359.00	
		No of days Per month	No. of Person	Per Day	Per Month	Per Day	Per Month	Per Day	Per Month
1	Basic+Addition Wages	26	1	445.00	11570	392	10192	359	9334
2	Provident Fund Contribution (@ 13.61% Up to Ceiling of 15000) Now 13% wef 01.06.2018			57.85	1504.10	50.96	1324.96	46.67	1213.42
3	ESIContribution (@ 4.75%) wef 01.07.2019 @3.25%			14.46	376.03	12.74	331.24	11.67	303.36
4	Contribution to Labour Welfare Board			0.19	5	0.19	5	0.19	5.00
5	Profit @ 5%			22.25	578.5	19.60	509.6	17.95	466.70
6	Uniform Charges			1.52	39.58	1.52	39.58	1.52	39.58
7	Cost of Shoes			1.44	37.50	1.44	37.50	1.44	37.50
8	Bonus (@ 8.33% On MP Govt Min Wages)			37.07	963.78	32.65	848.99	29.90	583.10
9	Total			579.79	15074.49	511.11	13288.88	468.35	11982.66
10	One day cost			579.79	579.79	511.11	511.11	468.35	460.87
11	One Hour Cost			72.47	72.47	63.89	63.89	58.54	57.61
SI.No	Description	No of Persons Required		Total Amount per Day (In Rs)		No of days in a year (In Rs)		Total Amount per year (In Rs)	
1	Skilled Worker	119		579.79		312		21526443.12	
2	UnSkilled Worker	31		468.35		312		4529881.2	
NET VALUE								26056324.32	
GST @ 18%								4690138.378	
GROSS VALUE								30746462.7	
NOTE	Preventive and breakdown maintenance work are being carried out on Sunday and Holidays also depending upon availability of power shutdown, therefore no of days taken are 312 for one year for cost estimation purpose								

Pre-Qualifying Criteria

A. Financial PQC

- Average annual financial turnover during last 3 years ending 31st March-2022 should be at least Rs.39,08,449/- for better participation.
Net worth should not be negative as on 31st March 2022.

1. Following Documentary proof must be submitted as proof of Average Annual Turnover:

1) Audited Profit & Loss Account and Balance Sheet must be submitted as proof of Average Annual Turnover. The financial statements must be signed by the owner and the auditor. Auditors seal, Name, firm name, Membership No. , FRN No., UDIN and the capacity in which he is signing (Proprietor/Partner), must be mentioned on the Profit & Loss A/c and Balance Sheet.

2) In case of proprietorship and partnership where Audited Profit & Loss A/c and Balance Sheet is not available, CA certificate certifying turnover for the required financial years must be submitted, which must be on his letter head mentioning his and his firm name, membership number, FRN no, UDIN, capacity in which he is signing (Proprietor/Partner) , date and place of signing.”

2. Benefits to MSME bidders

- i) MSME Vendors are exempted from payment of EMD and tender fee.
- ii) MSME would be entitled to preferential payment of 45 days from the date of submission of Bill.
- iii) Purchase Preference – Subject to meeting terms and conditions stated in the tender document including but not limiting to prequalification criteria, twenty-five percent of the total quantity of the tender is earmarked for MSEs. Where the tendered quantity can be split, MSEs quoting a price within a price band of L1 + 15 percent shall be allowed to supply up to 25 percent of total tendered quantity provided they match L1 price. In case the tendered quantity cannot be split, MSE shall be allowed to supply total tendered quantity provided their quoted price is within a price band of L1 + 15 percent and they match the L1 price. In case of more than one such MSEs are in the price band of L1 + 15% and matches the L1 price, the supply may be shared proportionately.

B. Technical PQC

- Contractor shall have the experience of Preventive Maintenance /Breakdown maintenance of Machines tools& Plants or similar nature of machines attached in Annexure-XII (List of Machines) in Government /PSU/State Government Sector.
- Experience of having successfully completed similar works* during last 7 years ending 31.03.2022 should be either of the following
 - Three similar completed works each costing not less than Rs.52,11,265
 - Two similar completed works each costing not less than Rs.65,14,081
 - One similar completed works each costing not less than Rs.1,04,22,530
- Similar work means Annual Maintenance Contract (AMC) of CNC / Electronics / conventional machine tools & Plants in a tender.
- Proofs in support of above point no. A & B should be submitted with the tender otherwise offer is liable to be rejected. The documents in support of B shall be accompanied with performance certificate

Issued by the customer (Government/PSU/State government sector) on their letter head clearly specifying the address and contact details of customer for verification purpose. (All the documents submitted shall be self-attested i.e. ink signed and stamped by the party).

- Following information should be furnished by the vendor about the company/companies where such work of Annual breakdown & preventive maintenance has been completed or under execution.
 - Name the company/companies where work of Annual breakdown & preventive maintenance was done/under execution.
 - Postal address, phone no., e-mail id and website of such company/companies.
 - Period of such work and start & end date of the work.
 - Name and designation of the contact person of such company/companies.
 - Phone and e-mail of the contact person of such company/companies.
 - All relevant documents as per Check list attached
- Tenderer must submit proofs of PF Code No., ESI Code No., GST Registration No., Income Tax PAN No. and undertaking to submit the Labor License within 15 days after receipt of letter of intent/ Work order
- BHEL reserves the right to verify information submitted by the vendor. Vendor shall agree to coordinate Visit/visits by a BHEL executives to such company/companies where the work of annual Breakdown & preventive maintenance has been completed by the vendor, if BHEL so desires.
- All the above values in clause B of PQR is inclusive of PF, ESI, Bonus and **Leave**.

Note:

- i) Only those contractors meeting the PQC criteria of BHEL Bhopal are eligible to apply. However, MSME contractors shall be relaxed from 50% of prior turnover in PQC criteria but prior experience & technical specifications are required as per PQC (ref PQC in Annexure XI).
- ii) Contractors having valid Contractor License will be considered. Contractor license under renewable process shall also be considered.
- iii) The offer of contractors not meeting clauses i & ii of above Note will not be considered and will be rejected.
- iv) If rates quoted by party is less than the minimum wages of skilled and Un-skilled labor as declared by CLC (ref Minimum Wages in Annexure X), their offer shall be rejected

Following documents needs to be submitted by Contractor during Technical Evaluation

Sr. No	Description	Contractor's Comment
A	Technical PQC	
A1	• Contractor shall have the experience of Preventive Maintenance/Breakdown maintenance of Machines tools& Plants or similar nature of machines attached in Annexure-XII (List of Machines) in Government/PSU/State Government Sector. • Experience of having successfully completed similar works* during last 7 years ending last day of month	Copy Enclosed (Yes / No)

	previous to the one in which applications are invited should be either of the following: - o Three similar completed works each costing not less than Rs. 52,11,265 - o Two similar completed works each costing not less than Rs. 65,14,081 - o One similar completed works each costing not less than Rs. 1,04,22,530 • Similar work means Annual Maintenance Contract (AMC) of CNC /Electronics / conventional machine tools & Plants in a tender.	
A2	Contractor shall submit copy of Work order and Work completion certificate/ performance certificate	Copy Enclosed (Yes / No)
B	Financial PQC	
B1	Average annual financial turnover during last 3 years ending 31st March-2022 should be at least Rs 39,08,449/- for better participation. Audited profit & loss A/c and balance sheet must be submitted as proof of average annual turnover	Copy Enclosed (Yes / No)
(i)	FY 2021-2022	
(ii)	FY 2020-2021	
(iii)	FY 2019-2020	

MACHINE DETAILS

S No	Item No	Item Name	Category of Item	CNC/Electronics/Conventional	Critical/Non Critical	Block	Location (Bay)	Department	Concerned Maintenance Department
1	9/A/167	Plano - Miller	Milling	Conventional	Non Critical	4	2	SCR	FWX
2	9/A/122	Horizontal Borer	Boring	Conventional	Non Critical	4	6	SCR	FWX
3	9/A/126	Horizontal Borer	Boring	Conventional	Non Critical	4	2	SCR	FWX
4	9/A/1001	Press Brake	Press Brake	Conventional	Non Critical	4	6	SCR	FWX
5	9/A/1002	Press Brake	Press Brake	Conventional	Non Critical	4	6	SCR	FWX
6	9/A/1004	Press Brake	Press Brake	Conventional	Non Critical	4	6	SCR	FWX
7	10/A/72	Centre Less Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
8	9/A/1008	Guillotine Machine	Guillotine	Conventional	Non Critical	4	6	SCR	FWX
9	9/A/1051	Guillotine Machine	Guillotine	Conventional	Non Critical	4	6	SCR	FWX
10	9/A/2111	Guillotine Machine	Guillotine	Conventional	Non Critical	4	6	SCR	FWX
11	9/A/1047	Power Press	Press	Conventional	Non Critical	4	6	SCR	FWX
12	9/A/1048	Power Press	Press	Conventional	Non Critical	4	6	SCR	FWX
13	9/A/290	Power Press	Press	Conventional	Non Critical	4	6	SCR	FWX
14	9/A/229	Universal Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
15	9/A/169	Plano - Miller	Plano - Miller	Conventional	Non Critical	4	2	SCR	FWX
16	9/A/2035	Surface Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
17	9/A/2056	Surface Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
18	9/A/1046	100 Ton Press	Press	Conventional	Non Critical	4	6	SCR	FWX
19	9/A/2103	Itl Band Saw	Band Saw	Conventional	Non Critical	4	6	SCR	FWX
20	9/A/2053	Pehaka Band Saw	Band Saw	Conventional	Non Critical	4	6	SCR	FWX
21	9/A/2098	Gear Cutting Machine	Gear Cutting	Conventional	Non Critical	4	2	SCR	FWX
22	9/A/171	Slotting Machine	Slotting	Conventional	Non Critical	4	2	SCR	FWX
23	9/A/2082	Key Way Milling	Milling	Conventional	Non Critical	4	2	SCR	FWX
24	9/A/2023	Slotting Machine	Slotting	Conventional	Non Critical	4	2	SCR	FWX
25	9/A/164	Vertical Milling	Milling	Conventional	Non Critical	4	2	SCR	FWX
26	9/A/25	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
27	9/A/30	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
28	10/A/12	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
29	10/A/94	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
30	10/A/95	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
31	10/A/4	Capston Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
32	10/A/25	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
33	9/A/90	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
34	9/A/41	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
35	9/A/48	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
36	9/A/71	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
37	9/A/24	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
38	9/A/73	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
39	9/A/64	Ward Lathe	Lathe	Conventional	Non Critical	4	3	SCR	FWX
40	9/A/1014	Radial Arm Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
41	9/A/1015	Radial Arm Drill	Drill	Conventional	Non Critical	4	6	SCR	FWX
42	9/A/2011	Radial Arm Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
43	9/A/2002	Radial Arm Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
44	10/A/52	Radial Arm Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
45	10/A/51	Radial Arm Drill	Drill	Conventional	Non Critical	4	6	SCR	FWX
46	9/A/1021	Radial Arm Drill	Drill	Conventional	Non Critical	4	6	SCR	FWX
47	10/A/47	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
48	9/A/2004	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
49	9/A/165	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
50	9/A/162	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
51	10/A/41	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
52	10/A/42	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
53	10/A/43	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX
54	10/A/45	Horizontal Milling	Milling	Conventional	Non Critical	4	3	SCR	FWX

55	9/A/226	Broaching M/C	Broaching	Conventional	Non Critical	4	2	SCR	FWX
56	9/A/2072	Moulding Press	Moulding	Conventional	Non Critical	4	1	SCR	FWX
57	9/A/2074	Moulding Press	Moulding	Conventional	Non Critical	4	1	SCR	FWX
58	9/A/37	Horizontal Milling	Milling	Conventional	Non Critical	4	2	SCR	FWX
59	10/A/65	Double Spindle Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
60	9/A/214	Double Spindle Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
61	10/A/209	Double Spindle Drill	Drill	Conventional	Non Critical	4	2	SCR	FWX
62	9/A/2054	Auto Lathe	Lathe	Conventional	Non Critical	4	2	SCR	FWX
63	9/A/2055	Auto Lathe	Lathe	Conventional	Non Critical	4	2	SCR	FWX
64	9/A/2043	Auto Lathe	Lathe	Conventional	Non Critical	4	2	SCR	FWX
65	10/A/73	Universal Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
66	10/A/74	Surface Grinder	Grinder	Conventional	Non Critical	4	2	SCR	FWX
67	9/A/1032	Rolling Machine	Rolling	Conventional	Non Critical	4	2	SCR	FWX
68	10/A/81	Circular Saw	Sawing	Conventional	Non Critical	4	6	SCR	FWX
69	9/A/2109	Cropping Machine	Cropping	Conventional	Non Critical	4	7	SCR	FWX
70	9/A/232	Surface Grinder	Grinder	Conventional	Non Critical	4	5	SCR	FWX
71	9/A/2107	Stc Lathe	Lathe	CNC	Critical	4	1	SCR	FWX
72	9/A/2124	Press Brake Bystronic	Press Brake	CNC	Critical	4	6	SCR	FWX
73	9/A/2040	Sundstrand Machining Cmachining Center	Machining Center	CNC	Critical	4	1	SCR	FWX
74	9/A/2051	Puma Lathe	Lathe	CNC	Critical	4	1	SCR	FWX
75	9/A/2084	Turret Punch	Punching	CNC	Critical	4	6	SCR	FWX
76		Electroplating Plant	Plant	Conventional	Critical	4	6	SCR	FWX
77		Phosphating Plant	Plant	Conventional	Critical	4	6	SCR	FWX
78		Powder Coating Plant	Plant	Conventional	Critical	4	6	SCR	FWX
79		12 nos. Transport trolley	Plant	Conventional	Critical	4	6	SCR	FWX
80	9/A/2114	Hydraulic Turret Punch	Punching	CNC	Critical	4	6	SCR	FWX
81	5/A/2063	Sb Cnc Lathe (Ikegai)	Lathe	CNC	Critical	9	2	TXM	FNX
82	5/A/2055	Sb Cnc Lathe (Hmt)	Lathe	CNC	Critical	9	2	TXM	FNX
83	5/A/2129	Sb Cnc Lathe (Hmt)	Lathe	CNC	Critical	9	2	TXM	FNX
84	5/A/2118	Comm Turning Lathe (Ikegai)	Lathe	CNC	Critical	9	2	TXM	FNX
85	5/A/2141	Vmc (Chiron)	Vertical Milling Centre	CNC	Critical	9	2	TXM	FNX
86	5/A/2145	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	9	2	TXM	FNX
87	5/A/2111	Cnc Elgamill	CNC Horizontal Borer	CNC	Critical	9	1	TXM	FNX
88	5/A/2114	Hmc (Hmt)	Horizontal Machining Centre	CNC	Critical	9	1	TXM	FNX
89	5/A/2116	Hmt Polepad	Polepad	CNC	Critical	9	1	TXM	FNX
90	5/A/2127	Hmc Pegard	Horizontal Machining Centre	CNC	Critical	9	1	TXM	FNX
91	5/A/2065	Elgamill	Polepad	CNC	Critical	9	1	TXM	FNX
92	5/A/2071	Elgamill	Polepad	CNC	Critical	9	1	TXM	FNX
93	5/A/2142	Cnc H/B	Cnc Horizontal Borer & Milling	CNC	Critical	2	1	TXM	FNX
94	5/A/2140	Vmc	Vertical Milling Centre	CNC	Critical	2	1	TXM	FNX
95	5/A/2057	Elgamill	Cnc Horizontal Borer & Milling	CNC	Critical	2	1	TXM	FNX
96	5/A/2050	K & R, Hor. Boring & Milling M/C	Cnc Horizontal Borer & Milling	CNC	Critical	2	1	TXM	FNX
97	5/A/2034	Elgamill	Cnc Horizontal Borer & Milling	CNC	Critical	2	1	TXM	FNX
98	5/A/2130	Vmc 1200	Vertical Milling Centre	CNC	Critical	2	1	TXM	FNX
99	5/A/2109	Internal Circular Grinding M/C	Grinding	CNC	Critical	2	1	TXM	FNX
100	5/A/2046	Cylindrical Grinding M/C	Grinding	CNC	Critical	2	1	TXM	FNX
101	5/A/2148	S B Cnc Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
102	5/A/28	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
103	5/A/80	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
104	5/A/122	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
105	5/A/124	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
106	26/A/2048	Vertical Turning Lathe	Lathe	CNC	Critical	2	3	TAM	FNX
107	5/A/69	Vertical Boring	Vertical Boring	Conventional	Non Critical	9	1	TXM	FNX
108	5/A/2085	Vertical Boring	Vertical Boring	Conventional	Non Critical	9	1	TXM	FNX
109	5/A/2081	Vertical Boring	Vertical Boring	Conventional	Non Critical	9	1	TXM	FNX
110	5/A/71	Horizontal Boring	Horizontal Boring	Conventional	Non Critical	9	1	TXM	FNX
111	5/A/38	Fn3, Horizontal Milling	Horizontal Milling	Conventional	Non Critical	2	1	TXM	FNX
112	5/A40	Fn3, Horizontal Milling	Horizontal Milling	Conventional	Non Critical	2	1	TXM	FNX
113	26/A/2060	Fn3,Milling Machine	Horizontal Milling	Conventional	Non Critical	2	3	TAM	FNX

114	26/A/2041	Fn3v, Milling Machine	Horizontal Milling	Conventional	Non Critical	2	3	TAM	FNX
115	5/B/2200	Induction Brazing	Brazing	Conventional	Non Critical	2	3	TAM	FNX
116	26/B/2055	Induction Brazing	Brazing	Conventional	Non Critical	2	3	TAM	FNX
117	5/A/108	Vertical Boring	Vertical Boring	Conventional	Non Critical	2	1	TXM	FNX
118	5/A/109	Vertical Boring	Vertical Boring	Conventional	Non Critical	2	1	TXM	FNX
119	5/A/13	Horizontal Boring	Horizontal Boring	Conventional	Non Critical	2	1	TXM	FNX
120	5/A/2072	Facing & Centering Lathe	Lathe	Conventional	Non Critical	2	1	TXM	FNX
121	5/A/37	Vertical Milling Machine	Milling	Conventional	Non Critical	2	1	TXM	FNX
122	5/A/2045	Double Head Borer	Horizontal Borer	Conventional	Non Critical	2	1	TXM	FNX
123	A1A2A3	Mg Set	MG Set	Conventional	Non Critical	2	3	TAM	FNX
124	B1B2	Mg Set	MG Set	Conventional	Non Critical	2	3	TAM	FNX
125	C1D1	Mg Set	MG Set	Conventional	Non Critical	2	3	TAM	FNX
126	C2D2	Mg Set	MG Set	Conventional	Non Critical	9	1	TXM	FNX
127	4O KW	Mg Set	MG Set	Conventional	Non Critical	2	3	TAM	FNX
128	EB1	Mg Set	MG Set	Conventional	Non Critical	9	1	TXM	FNX
129	L1L2B2	Mg Set	MG Set	Conventional	Non Critical	9	1	TXM	FNX
130	ABB	Mg Set	MG Set	Conventional	Non Critical	9	1	TXM	FNX
131	OIL RIG	Mg Set	MG Set	Conventional	Non Critical	2	3	TAM	FNX
132	Panels	All The Reverser & Control Panels	Control Panel	Electronics	Non Critical	9	1	TXM	FNX
133	5/A/2055	S B Cnc Lathe (Hmt)	Lathe	CNC	Critical	9	2	TXM	FNX
134	5/A/2063	S B Cnc Lathe (Ikegai)	Lathe	CNC	Critical	9	2	TXM	FNX
135	5/A/2129	S B Cnc Lathe	Lathe	CNC	Critical	9	2	TXM	FNX
136	5/A/2116	Hmc Polepad	Polepad	CNC	Critical	9	1	TXM	FNX
137	5/A/2111	Cnc Elgamill	Polepad	CNC	Critical	9	1	TXM	FNX
138	5/A/2114	Hmc (Hmt)	BL - IX	CNC	Critical	9	1	TXM	FNX
139	5/A/2127	Hmc Pegard	BL - IX	CNC	Critical	9	1	TXM	FNX
140	5/A/33	Copying Lathe	Lathe	Conventional	Non Critical	2	1	TXM	FNX
141	5/A/82	Copying Lathe	Lathe	Conventional	Non Critical	2	1	TXM	FNX
142	5/A/2072	Facing & Centring Lathe	Lathe	Conventional	Non Critical	2	1	TXM	FNX
143	5/A/28	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
144	5/A/80	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
145	5/A/122	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
146	5/A/124	Cnc Retrofitted Ward Lathe	Lathe	CNC	Critical	2	1	TXM	FNX
147	5/A/2130	Vmc 1200	Vertical Milling Centre	CNC	Critical	2	1	TXM	FNX
148	5/A/2140	Vmc	Vertical Milling Centre	CNC	Critical	2	1	TXM	FNX
149	26/A/2048	Vertical Turning Lathe	Vertical Milling Centre	CNC	Critical	2	3	TAM	FNX
150		Main Chip Conveyor Outside Cnc Hall		CNC	Critical	9	1	TXM	FNX
151	4/A/2054	O&M Vertical boring machine	Vertical Borer	Electronics	Critical	2A	2A	IMM	FEX
152	4/A/2041	Rafamèt vertical boring machine	Vertical Borer	Electronics	Critical	2	5	IMM	FEX
153	4/A/53	Plano milling machine	Planer	Conventional	Critical	2A	2A	IMM	FEX
154	19/A/2005	Goratu CNC Lathe	Lathe	CNC	Critical	2A	2A	IMM	FEX
155	3/A/9	Vertical boring	Vertical Borer	CNC	Critical	2	6	HGM	FEX
156	3/A/10	Vertical boring	Vertical Borer	Electronics	Non Critical	2	6	HGM	FEX
157	3/A/23	Horizontal floor boring machine	Horizontal Borer	Electronics	Non Critical	2	6	HGM	FEX
158	3/A/5	Horizontal floor boring machine	Horizontal Borer	Electronics	Critical	2	6	HGM	FEX
159	3/A/91	Craven center lathe	Lathe	Conventional	Critical	2	6	HGM	FEX
160	3/A/2030	Homma vertical borer	Vertical Borer	Electronics	Critical	2	6	HGM	FEX
161	3/A/2037	Skoda ram borer	Horizontal Borer	Electronics	Critical	2	7	HGM	FEX
162	4/A/52	Plano milling machine	Horizontal Borer	Electronics	Critical	2A	2A	IMM	FEX
163	3/A/40	Plano miller	Plano-Miller	Conventional	Non Critical	2A	2A	IMM	FEX
164	3/A/2055	Homma plano-miller	Plano-Miller	Electronics	Critical	2	7	HGM	FEX
165	3/A/2047	Centre lathe	Lathe	Conventional	Critical	2	8	LEM	FEX
166	3/A/2074	VDF, CNC lathe	Lathe	CNC	Critical	2	8	LEM	FEX
167	3/A/50	Plano milling machine	Plano-Miller	Conventional	Non Critical	2	7	HGM	FEX
168	3/A/36	CNC Lathe machine	Lathe	CNC	Non Critical	2	8	LEM	FEX
169	4/A/44	Horizontal Boring Machine	Horizontal Borer	Electronics	Critical	2A	2A	IMM	FEX
170	3/A/2085	Safop CNC Centre Lathe Machine	Lathe	CNC	Critical	2	7	HGM	FEX
171	3/A/2078	R. A. Drilling Machine(New)	Drilling	Conventional	Non Critical	2	6	HGM	FEX
172	19/A/2002	Turn Mill center	Lathe	CNC	Critical	2	8	LEM	FEX

173	19/A/2003	CNC Grinder	Grinder	CNC	Critical	2	8	LEM	FEX
174	3/A/2088	Mario Carnaghi Turning & Milling M/C	Vertical Borer	CNC	Critical	2	8	LEM	FEX
175	4/A/14	Lang Lathe	Lathe	Conventional	Non Critical	2A	2A	IMM	FEX
176	4/B/2054	EFD 200 KW Rotor brazing	Brazing M/C	Electronics	Non Critical	2A	2A	IMM	FEX
177	4/A/2060	Hydraulic press	Press	Conventional	Non Critical	2A	2A	IMM	FEX
178	4/B/2046	EFD 200 KW Rotor brazing	Brazing M/C	Electronics	Non Critical	2A	2A	IMM	FEX
179	4/A/2052	Hydraulic Press	Press	Conventional	Non Critical	2A	2A	IMM	FEX
180	4/A/2038	V.B. M/c	Vertical Borer	Conventional	Non Critical	2A	2A	IMM	FEX
181	4/A/38	Duplex Borer	Vertical Borer	Conventional	Non Critical	2A	2A	IMM	FEX
182	4/A/37	Duplex Borer	Vertical Borer	Conventional	Non Critical	2	5	IMM	FEX
183	4/A/41	V.B. M/c	Vertical Borer	Conventional	Non Critical	2A	2A	IMM	FEX
184	4/A/2048	V.B. M/c	Vertical Borer	Conventional	Non Critical	2A	2A	IMM	FEX
185	4/A/2014	V.B. M/c	Vertical Borer	Conventional	Non Critical	2A	2A	IMM	FEX
186	4/A/2043	RA drilling m/c	Drilling	Conventional	Non Critical	2A	2A	IMM	FEX
187	4/A/2053	hydraulic Press	Press	Conventional	Non Critical	2A	2A	IMM	FEX
188	3/B/2001	EFD 250 KW Rotor brazing	Brazing M/C	Electronics	Non Critical	2	9	LEM	FEX
189	4/A/2070	Power Hack Saw M/c	Power Saw	Conventional	Non Critical	2A	2A	IMM	FEX
190	4/B/2064	Wound Rotor Brazing M/c	Brazing M/C	Conventional	Non Critical	2A	2A	IMM	FEX
191	4/A/10	Lang Lathe M/c	Lathe	Conventional	Non Critical	2A	2A	IMM	FEX
192	4/A/7	Lathe M/c	Lathe	Conventional	Non Critical	2A	2A	IMM	FEX
193	4/A/19	Lathe M/c	Lathe	Conventional	Non Critical	2	2	IMM	FEX
194	3/A/21	Plano-miller	Planer	Electronics	Non Critical	2	6	HGM	FEX
195	3/A/22	Plano-miller	Planer	Electronics	Critical	2	6	HGM	FEX
196	3/A/18	RA Drilling M/c	Drilling	Conventional	Critical	2	6	HGM	FEX
197	3/A/17	RA Drilling M/c	Drilling	Conventional	Non Critical	2	7	HGM	FEX
198	3/A/16	RA Drilling M/c	Drilling	Conventional	Critical	2	8	LEM	FEX
199	19/A/2001	NOVISA Portable drilling M/c	DRP	Conventional	Non Critical	2	8	LEM	FEX
200	3/A/2067	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	2	7	HGM	FEX
201	3/A/2008	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	2	7	HGM	FEX
202	3/A/7	V. Boring M/c	Vertical Borer	Electronics	Non Critical	2	6	HGM	FEX
203	3/A/1	V. Boring M/c	Vertical Borer	Electronics	Non Critical	2	8	LEM	FEX
204	3/A/6	V. Boring M/c	Vertical Borer	Electronics	Critical	2	8	LEM	FEX
205	3/A/3	V. Boring M/c	Vertical Borer	Electronics	Non Critical	2	8	LEM	FEX
206	3/A/4	CNC V. Boring M/c	Vertical Borer	CNC	Non Critical	2	8	LEM	FEX
207	3/A/2072	Spanish Lathe M/c	Lathe	Conventional	Non Critical	2	8	LEM	FEX
208	3/A/2073	Elga Milling M/c	Milling	Electronics	Critical	2	8	LEM	FEX
209	3/A/2070	Lang Lathe M/c	Lathe	Conventional	Critical	2A	2A	IMM	FEX
210	3/A/2077	Center Lathe M/c	Lathe	Conventional	Non Critical	2	8	LEM	FEX
211	3/A/90	Binding Lathe M/c	Lathe	Electronics	Non Critical	2	9	LEM	FEX
212	3/A/51	Churchill Grinder	Grinder	Conventional	Critical	2	8	LEM	FEX
213	3/B/2063	Putty Pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
214	3/B/2054	Balancing M/c	Balancing	Electronics	Non Critical	2	8	LEM	FEX
215	3/A/2089	Novisa Portable Drilling M/c	DRP	Conventional	Non Critical	2	7	HGM	FEX
216	3/A/2090	Redson H/G Pole core press (Bay	Press	Conventional	Non Critical	2	7	HGM	FEX
217	3/A/2080	Rotor Core Strip Pressing M/c	Strip Press	Conventional	Non Critical	2	9	LEM	FEX
218	4/A/123	HMT Lathe	Lathe	Conventional	Non Critical	2	2	IMM	FEX
219	4/A/122	Lathe M/c	Lathe	Conventional	Non Critical	2	2	IMM	FEX
220	4/A/2037	Slotter Machine	Machine	Conventional	Non Critical	2A	2A	IMM	FEX
221	4/A/2004	V. Milling M/c	Milling	Conventional	Non Critical	2	2	IMM	FEX
222	4/A/115	H. Milling M/c	Milling	Conventional	Non Critical	2	2	IMM	FEX
223	4/A/2017	Banding Lathe	Lathe	Conventional	Non Critical	2	5	IMM	FEX
224	4/B/2008	EFD Brazing M/c	Brazing M/C	Electronics	Non Critical	2	5	IMM	FEX
225	4/A/92	DRP	DRP	Conventional	Non Critical	2	4	IMM	FEX
226	4/A/2070	Power Saw M/c(ITL)	Saw	Conventional	Non Critical	2A	2A	IMM	FEX
227	4/A/60	R. A. Drilling M/c	Drilling	Conventional	Non Critical	2	2	IMM	FEX
228	4/A/2043	R. A. Drilling M/c	Drilling	Conventional	Non Critical	2A	2A	IMM	FEX
229	4/A/76	R. A. Drilling M/c	Drilling	Conventional	Non Critical	2A	2A	IMM	FEX
230	4/A/ 109	R. A. Drilling M/c	Drilling	Conventional	Non Critical	2A	2A	IMM	FEX
231	3/A/29	750 Ton Hy-Press	Press	Conventional	Non Critical	2	7	HGM	FEX

232	4/A/36	Duplex Borer	Borer	Conventional	Non Critical	2	5	IMM	FEX
233	4/A/2066	Coil Pressing M/c	Press	Conventional	Non Critical	2	5	IMM	FEX
234	4/A/2011	Ward Lathe M/c	Lathe	Conventional	Non Critical	2	2	IMM	FEX
235	4/A/80	Hy Press	Press	Conventional	Non Critical	2	5	IMM	FEX
236	4/A/2039	Balancing M/c	Balancing	Conventional	Non Critical	2	4	IMM	FEX
237	4/A/2075	Grinding	Grinding	Conventional	Critical	2A	2A	IMM	FEX
238	3/A/2054	DRP	DRP	Conventional	Non Critical	2	8	LEM	FEX
239	3/A/93	H/G Pole Pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
240	3/A/2076	V. Milling M/c	Milling	Conventional	Non Critical	2	7	HGM	FEX
241	3/A/2010	H. Milling M/c	Milling	Conventional	Non Critical	2	7	HGM	FEX
242	3/A/2029	DRP	DRP	Conventional	Non Critical	2	7	HGM	FEX
243	3/A/27	DRP	DRP	Conventional	Non Critical	2	7	HGM	FEX
244	3/A/26	DRP	DRP	Conventional	Non Critical	2	8	LEM	FEX
245	4/A/35	CNC Lathe M/c	Lathe	CNC	Non Critical	2	2	IMM	FEX
246	3/A/2069	Ward Lathe	Lathe	Conventional	Non Critical	2	8	LEM	FEX
247	3/A/2034	Centre Lathe	Lathe	Conventional	Non Critical	2	8	LEM	FEX
248	3/A/2001	Centre Lathe	Lathe	Conventional	Non Critical	2	8	LEM	FEX
249	3/A/60	Power Hack Saw (New ITL Make)	Power Saw	Conventional	Non Critical	2	9	HGM	FEX
250	3/A/2034	Power Hack Saw	Power Saw	Conventional	Non Critical	2	9	HGM	FEX
251	3/A/2052	R. Drilling M/c	Drilling	Conventional	Non Critical	2	8	LEM	FEX
252	3/B/2066	Coil pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
253	3/B/2065	Coil pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
254	3/B/2064	Coil pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
255	3/A/53	Core Pressing M/c	Press	Conventional	Non Critical	2	9	LEM	FEX
256	3/A/2080	Rotor Core Strip Pressing M/C	Press	Conventional	Non Critical	2	9	LEM	FEX
257	3/B/2056	EFD Brazing M/c	Brazing M/C	Electronics	Non Critical	2	9	LEM	FEX
258	3/B/2055	EFD Brazing M/c	Brazing M/C	Electronics	Non Critical	2	9	LEM	FEX
259	3/B/2078	ELDAC BRAZING M/C	Brazing M/C	Electronics	Non Critical	2	9	LEM	FEX
260		EFD Brazing M/c	Brazing M/C	Electronics	Non Critical	2	7	HGM	FEX
261		EFD Brazing M/c	Brazing M/C	Electronics	Non Critical	2	7	HGM	FEX
262	20/A/2001	INNOCENTI Drilling Column	Horizontal Boring	Electronics	Critical	6	5	STM	FTX
263	20/A/2002	INNOCENTI Milling Column	Horizontal Boring	Electronics	Critical	6	5	STM	FTX
264	20/A/0003	MIB	Horizontal Boring	Electronics	Critical	6	5	STM	FTX
265	20/A/0300	MIB	Horizontal Boring	Electronics	Critical	6	5	STM	FTX
266	20/A/2088	CNC Milling Column Wotan	Horizontal Boring	CNC	Critical	6	5	STM	FTX
267	20/A/0070	Berthiez Vertical Borer	Vertical Boring	CNC	Critical	6	3	STM	FTX
268	20/A/0009	Berthiez Vertical Borer	Vertical Boring	CNC	Critical	6	4	STM	FTX
269	20/A/0302	Berthiez Vertical Borer	Vertical Boring	Electronics	Critical	6	5	STM	FTX
270	20/A/0011	RICHARDS Vertical Borer	Vertical Boring	CNC	Critical	6	4	STM	FTX
271	20/A/0012	Double Column Drilling Machine	Drilling	Electronics	Critical	6	5	STM	FTX
272	20/A/2012	Morando M/C	Lathe	CNC	Critical	6	4	STM	FTX
273	20/A/2013	Morando M/C	Lathe	CNC	Critical	6	4	STM	FTX
274	20/A/30	Cravan Lathe M/C	Lathe	Electronics	Critical	6	4	STM	FTX
275	20/A/33	Cravan Lathe M/C	Lathe	CNC	Critical	6	4	STM	FTX
276	20/A/2087	Homma M/C	Plano Milling	Electronics	Critical	6	3	STM	FTX
277	20/A/58	Plano Miller	Plano Milling	Electronics	Non Critical	6	3	STM	FTX
278	20/A/27	Cravan Lathe M/C	Lathe	Electronics	Non Critical	6	5	STM	FTX
279	20/A/100	Centre Lathe M/C	Lathe	CNC	Critical	6	3	STM	FTX
280	20/A/125	Lang Lathe M/C	Lathe	CNC	Critical	6	3	STM	FTX
281	20/A/69	Berthiez Vertical Borer M/C	Vertical Boring	CNC	Critical	6	4	STM	FTX
282	20/A/68	Berthiez Vertical Borer M/C	Vertical Boring	Electronics	Critical	6	3	STM	FTX
283	20/A/05	Horizontal Boring & Milling	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
284	20/A/61	Horizontal Boring & Milling, Drilling	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
285	20/A/18	Column Type Horz. Boring And Drilling M/C	Horizontal Drilling	Conventional	Non Critical	6	4	STM	FTX
286	20/A/67	Vertical Boring M/C	Vertical Boring	Electronics	Non Critical	6	3	STM	FTX
287	20/A/147	Horizontal Boring Milling,Drilling,	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
288	20/A/148	Horz. Boring ,Milling,Drilling & Taping M/C	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
289	20/A/142	Slotting M/C	Slotter	Conventional	Non Critical	6	3	STM	FTX
290	20/A/103	Combination Chuk Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX

291	20/A/121	Surface & Boring Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
292	20/A/2029	Radial Arm Drilling M/C	Radial Drilling	Electronics	Non Critical	6	4	STM	FTX
293	20/A/17	Radial Arm Milling M/C	Radial Drilling	Electronics	Non Critical	6	5	STM	FTX
294	20/A/219	Vertical Spindle Surface Grinding M/C	Grinding	Conventional	Non Critical	6	2	STM	FTX
295	20/A/2048	Horizontal Boring Milling Drilling & Tapping M/C	Horizontal Boring	Conventional	Non Critical	6	4	STM	FTX
296	20/A/2018	Double Standard Vertical Boring M/C	Vertical Boring	Electronics	Non Critical	6	3	STM	FTX
297	20/A/2111	Horz. Boring M/C	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
298	20/A/352	Horiz. Boring & Facing M/C	Horizontal Boring	Electronics	Non Critical	6	4	STM	FTX
299	20/A/2099	Heavy Duty Band Saw	Material Cutting	Electronics	Non Critical	6	2	STM	FTX
300	20/A/2026	Radial Drilling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
301	20/A/2017	Ra Portable Drill M/C	Portable Drilling	Conventional	Non Critical	6		STM	FTX
302	20/A/2103	Ra Portable Drillm/C	Portable Drilling	Conventional	Non Critical	6		STM	FTX
303	20/A/2080	Portable Horiz. Drilling, Boring	Horizontal Drilling	Conventional	Non Critical	6	4	STM	FTX
304	20/A/133	Vertical Milling M/C	Vertical Milling	Electronics	Non Critical	6	2	STM	FTX
305	20/A/111	Sliding, Surfacing And Screw Cutting	Lathe	Conventional	Non Critical	6	3	STM	FTX
306	20/A/2074	Vertical Milling M/C	Vertical Milling	Conventional	Non Critical	6	4	STM	FTX
307	20/A/19	Portable Driling M/C	Portable Drilling	Conventional	Non Critical	6	3	STM	FTX
308	20/A/90	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
309	20/A/106	Sliding Surfacing & Screw Cutting	Lathe	Conventional	Non Critical	6	3	STM	FTX
310	20/A/124	Surface And Boring Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
311	20/A/89	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
312	20/A/114	Sliding Surface And Screw Cutting	Lathe	Conventional	Non Critical	6	3	STM	FTX
313	20/A/127	Horizontal Plain Milling M/C	Horizontal Milling	Conventional	Non Critical	6	2	STM	FTX
314	15/A/2044	Surface Grinding M/C	Grinder	Conventional	Non Critical	6	3	STM	FTX
315	20/A/91	Combination Chuck Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
316	20/A/2065	Sliding ,Surfacing And Screw Cutting	Lathe	Electronics	Non Critical	6	3	STM	FTX
317	20/A/128	Horiz. Plain Milling M/C	Horizontal Milling	Conventional	Non Critical	6	2	STM	FTX
318	20/A/2006	Tool And Cutter Grinding M/C	Grinder	Conventional	Non Critical	6	2	STM	FTX
319	20/A/92	Combination Chuck Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
320	20/A/149	Center Less Grinding M/C	Grinder	Conventional	Non Critical	6	3	STM	FTX
321	20/A/129	Horizontal Plain Milling M/C	Horizontal Milling	Conventional	Non Critical	6	2	STM	FTX
322	20/A/2008	Unversal Tool And Cutter Grinding	Grinder	Conventional	Non Critical	6	2	STM	FTX
323	20/A/2039	Front Power Press	Press	Conventional	Non Critical	6	2	STM	FTX
324	20/A/126	Single Spindle Honing M/C	Honing	Conventional	Non Critical	6	3	STM	FTX
325	20/A/88	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
326	20/A/2066	Sliding Surfacing And Screw Cutting	Lathe	Electronics	Non Critical	6	3	STM	FTX
327	20/A/2095	Horiz. Universal Milling M/C	Horizontal Milling	Conventional	Non Critical	6	3	STM	FTX
328	20/A/2009	Universal Tool And Cutter Grinding	Grinder	Conventional	Non Critical	6	2	STM	FTX
329	20/A/350	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
330	20/A/95	Combinaiton Chuck Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
331	20/A/2067	Sliding Surfacing Screw Cutting	Lathe	Electronics	Non Critical	6	3	STM	FTX
332	20/A/2028	Slotting M/C	Slotter	Conventional	Non Critical	6	2	STM	FTX
333	20/A/2061	Unversal Tool And Cutter Grinding M/C	Grinder	Conventional	Non Critical	6	2	STM	FTX
334	20/A/94	Combination Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
335	20/A/75	Horiz. Plain Milling M/C	Horizontal Milling	Conventional	Non Critical	6	3	STM	FTX
336	20/A/55	Raidial Drilling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
337	20/A/309	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
338	20/A/349	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
339	20/A/137	Radial Driling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
340	20/A/2071	Twist Drill Sharpening M/C	Grinder	Conventional	Non Critical	6	2	STM	FTX
341	20/A/54	Radial Driling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
342	20/A/135	Vertical Milling M/C	Vertical Milling	Conventional	Non Critical	6	3	STM	FTX
343	20/A/96	Combinaton Chuck Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
344	20/A/2063	Sliding Surfacing And Screw Cutting	Lathe	Conventional	Non Critical	6	3	STM	FTX
345	15/A/104	Cylindrical Grinding M/C	Grinder	Conventional	Non Critical	6	3	STM	FTX
346	20/A2098	Power Hacksaw	Material Cutting	Conventional	Non Critical	6	2	STM	FTX
347	20/A/83	Capstan Bar Lathe	Lathe	Conventional	Non Critical	6	3	STM	FTX
348	20/A/107	Sliding Surfacing & Screw Cutting	Lathe	Electronics	Non Critical	6	3	STM	FTX
349	20/A/2011	Vertical Milling M/C	Vertical Milling	Conventional	Non Critical	6	2	STM	FTX

350	20/A/313	Radial Drilling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
351	20/A/245	Power Hack Saw	Material Cutting	Conventional	Non Critical	6	2	STM	FTX
352	20/A/161	Vertical Milling M/C	Vertical Milling	Conventional	Non Critical	6	3	STM	FTX
353	20/A/110	Sliding Surfacing Screw Cutting	Lathe	Conventional	Non Critical	6	2	STM	FTX
354	20/A/2132	Radial Drilling M/C	Radial Drilling	Conventional	Non Critical	6	2	STM	FTX
355	20/A/105	Cridan Thread Cutting M/C	Lathe	Conventional	Non Critical	6	3	STM	FTX
356	12/B/2130	Sand Reclamation Plant (Critical M/C)	Sand Mixture	Conventional	Critical	5	3	FYM	FDX
357	12/B/2011	Composit Sand Muller	Sand Mixture	Conventional	Non Critical	5	1	FYM	FDX
358	12/B/2131	Power Hexsaw	Hexsaw	Conventional	Non Critical	5	2	FYM	FDX
359	12/A/17	Lathe Machine	Lathe	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
360	12/B/246	Arc Furnace (Critical M/C)	Furnace	Conventional	Critical	5	1	FYM	FDX
361	12/B/148A	O. Fired Melting Furnace -1	Furnace	Conventional	Non Critical	5	Die Casting	FYM	FDX
362	12/B/2128	Fume Extraction System		Conventional	Non Critical	5	1	FYM	FDX
363	12/A/2014	Lathe Machine	Lathe	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
364	12/A/145	Abrasiv Cut Of Wheel		Conventional	Non Critical	5	Die Casting	FYM	FDX
365	12/B/14	Shot Blast Machine (Critical M/C)	Shot Blast	Conventional	Critical	5	4	FYM	FDX
366	12/A/009	Metal Bans Saw Machine		Conventional	Non Critical	5	Die Casting	FYM	FDX
367	12/A/2024	Pedestal Grnding Machine	Grinding	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
368	12/B/2051	Anneling Furnace (Critical M/C)	Furnace	Electronics	Critical	5	1	FYM	FDX
369	12/A/141	Aloxitc Cloth Buffing Machine		Conventional	Non Critical	5	Die Casting	FYM	FDX
370	12/B/2121	Shot Blast M/C (N/F) (Critical M/C)	Shot Blast	Conventional	Critical	5	2	FYM	FDX
371	12/A/02	Pad Grinder	Grinding	Conventional	Non Critical	5	1	FYM	FDX
372	12/A/2004	Vertical Milling Machine	Milling	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
373	12/B/2089	Laddle Pre Heater		Conventional	Non Critical	5	4	FYM	FDX
374	11/B/2184	Electric Oven	Oven	Conventional	Non Critical	5	1	FYM	FDX
375	12/B/2090	Induction Furance (Critical M/C)	Furnace	Electronics	Critical	5	4	FYM	FDX
376	12/B/2129	Effluent Treatment Plant		Conventional	Non Critical	5	Galvanizing Plant	FYM	FDX
377	12/A/2005	Horizontal Milling Machine	Milling	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
378	12/B/2076	Sand Mixture (Critical M/C)	Sand Mixture	Conventional	Critical	5	3	FYM	FDX
379	12/A/146	Metal Band Saw Machine	Grinding	Conventional	Non Critical	5	Die Casting	FYM	FDX
380	12/B/2127	New Shell Moulding Machine		Conventional	Non Critical	5	4	FYM	FDX
381	12/A/12	Buffing Machine		Conventional	Non Critical	5	2	FYM	FDX
382	12/B/2105	Piller Induction Furnace (Critical M/C)	Furnace	Electronics	Critical	5	2	FYM	FDX
383	12/A/2011	Drilling Machine	Drilling	Conventional	Non Critical	5	Die Casting	FYM	FDX
384	12/A/143	Pad Ginding Machine	Grinding	Conventional	Non Critical	5	Die Casting	FYM	FDX
385	12/A/2001	Arm Grinder	Grinding	Conventional	Non Critical	5	1	FYM	FDX
386	12/B/2059	Sand Mixture	Sand Mixture	Conventional	Non Critical	5	4	FYM	FDX
387	12/A/2022	Vertical Boring Machine	Boring	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
388	12/B/2095	Shot Blast Machine (Critical M/C)	Shot Blast	Conventional	Critical	5	1	FYM	FDX
389	12/B/148B	O. Fired Melting Furnace -2	Furnace	Conventional	Non Critical	5	Die Casting	FYM	FDX
390	12/B/148C	O. Fired Melting Furnace -3	Furnace	Conventional	Non Critical	5	Die Casting	FYM	FDX
391	12/A/07	Abrasive Cut Of Wheel		Conventional	Non Critical	5	2	FYM	FDX
392	12/A/01	Pad Grinder	Grinding	Conventional	Non Critical	5	2	FYM	FDX
393	12/B/2094	R.E. Holding Fce	Furnace	Conventional	Non Critical	5	Die Casting	FYM	FDX
394	12/A/144	Band Saw		Conventional	Non Critical	5	2	FYM	FDX
395	9/B/1033	Galvanizing Plant		Conventional	Non Critical	5	Galvanizing Plant	FYM	FDX
396	12/B/2084	Laddle Pre-Heater		Conventional	Non Critical	5	2	FYM	FDX
397	12/B/2008	Laddle Pre-Heater		Conventional	Non Critical	5	2	FYM	FDX
398	12/A/121	Radial Drill Machine	Drilling	Conventional	Non Critical	5	Proof M/c Shop	FYM	FDX
399	12/B/2122	New Annealing Furnace (Critical M/C)	Furnace	Electronics	Critical	5	4	FYM	FDX
400	12/A/101	Disc Sander Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
401	12/A/129	Milling Machine	Milling	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
402	12/A/106	Band Saw Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
403	12/A/130	Lathe Machine	Lathe	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
404	12/A/112	Bobbing Sander Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
405	12/A/123	Bobbing Sander		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
406	12/A/147	Disc Sander Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
407	12/A/131	Surface Grinder		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
408	12/A/122	Pedestal Grinder Machine	Grinding	Conventional	Non Critical	10	Pattern Shop	FYM	FDX

409	12/A/127	Circular Saw		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
410	12/A/103	Planner Machine	Planner	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
411	12/A/135	Radial Drilling Machine	Drilling	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
412	12/A/2016	Universal Milling Machine	Milling	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
413	12/A/2007	Band Saw Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
414	12/A/120	Milling Machine	Milling	Conventional	Non Critical	10	Pattern Shop	FYM	FDX
415	12/A/2006	Disc Sander Machine		Conventional	Non Critical	10	Pattern Shop	FYM	FDX
416	14/A/48	Master Milling M/C.	Milling	Conventional	Non Critical	11	Master Milling	TGM	FDX
417	14/A/60	Hor. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
418	14/A/44	Master Milling M/C.	Milling	CNC	Non Critical	11	Master Milling	TGM	FDX
419	14/A/06	Surface Grinding M/C	Grinding	Conventional	Non Critical	11	Gauge Section	TGM	FDX
420	14/A/49	Master Milling M/C.	Milling	Conventional	Non Critical	11	Master Milling	TGM	FDX
421	14/A/179	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Gause Section	TGM	FDX
422	14/A/51	Master Milling M/C.	Milling	Conventional	Non Critical	11	Master Milling	TGM	FDX
423	14/A/54	Master Milling M/C.	Milling	Conventional	Non Critical	11	Master Milling	TGM	FDX
424	14/A/119	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
425	14/A/120	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
426	14/A/121	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
427	14/A/115	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
428	23/A/2011	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
429	23/A/2012	Lathe M/C.	Lathe	Conventional	Non Critical	11	Turning	TGM	FDX
430	14/A/1002	Hor. Milling M/C.	Milling	Conventional	Non Critical	11	Babitting	TGM	FDX
431	14/A/30	Hor. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
432	14/A/168	Hor. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
433	14/A/2018	Vert. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
434	14/A/2010	Vert. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
435	9/A/1015	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Babitting	TGM	FDX
436	14/A/149	Cyl. Grinding M/C.	Grinding	Conventional	Non Critical	11	Grinding	TGM	FDX
437	14/A/43	Vert. Milling M/C.	Milling	Conventional	Non Critical	11	Milling	TGM	FDX
438	23/A/2001	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	ECC	TGM	FDX
439	14/A/2065	Power Hack Saw M/C.	Power Hack Saw	Conventional	Non Critical	11	Bar Store	TGM	FDX
440	14/A/2076	Circular Saw M/C.	Saw M/C.	Conventional	Non Critical	11	Bar Store	TGM	FDX
441	14/A/77	Horizontal Boring M/C.	Boring	Electronics	Non Critical	11	Machine Shop	TGM	FDX
442	14/A/89	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Heav Fitting	TGM	FDX
443	14/A/87	Jig Boring M/C.	Jig Boring	Conventional	Non Critical	11	Jig Borinnng Section	TGM	FDX
444	23/A/2002	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Babitting Section	TGM	FDX
445	14/A/406	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Babitting Section	TGM	FDX
446	14/A/104	Jig Boring M/C.	Jig Boring	Electronics	Non Critical	11	Jig Boring	TGM	FDX
447	14/A/74	Radial Planer M/C.	Radial Planer	Conventional	Non Critical	11	Machine Shop	TGM	FDX
448	14/A/130	Lathe M/C.	Lathe	Conventional	Non Critical	11	Gear Shop	TGM	FDX
449	14/A/105	Cyl. Bore Grinding M/C.	Cyl. Bore Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
450	14/A/131	Lathe M/C.	Lathe	Conventional	Non Critical	11	Gear Shop	TGM	FDX
451	14/A/92	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Gear Shop	TGM	FDX
452	14/A/516	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Gear Shop	TGM	FDX
453	14/A/91	Radial Drilling M/C.	Drilling	Conventional	Non Critical	11	Fitting	TGM	FDX
454	14/A/107	Band Saw M/C.	Band Saw	Conventional	Non Critical	11	Fitting	TGM	FDX
455	14/A/106	Band Saw M/C.	Band Saw	Conventional	Non Critical	11	Gauge Section	TGM	FDX
456	14/A/160	Gap Grinding M/C.	Grinding	Conventional	Non Critical	11	Gauge Section	TGM	FDX
457	14/A/08	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Gauge Section	TGM	FDX
458	14/A/138	Cutter Grinding M/C.	Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
459	14/A/2044	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
460	14/A/163	Cyl. Grinding M/C.	Cyl. Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
461	14/B/2114	Shot Blasting M/C.	Shot Blasting	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
462	14/A/2042	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
463	14/A/2043	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Grinding Section	TGM	FDX
464	14/A/07	Surface Grinding M/C.	Grinding	Conventional	Non Critical	11	Gauge Section	TGM	FDX
465	14/A/50	Master Milling M/C.	Milling	Conventional	Non Critical	11	Master Milling	TGM	FDX
466	14/A/2003A	Vertical Boring M/C.	Boring	Conventional	Non Critical	11	Machine Shop	TGM	FDX
467	14/B/2074	Tempering Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX

468	14/A/2057	Bore Grinding Machine	Grinding	Conventional	Non Critical	11	Gear Shop	TGM	FDX
469	14/A/84	Jig Boring Machine	Jig Boring	Conventional	Non Critical	11	Jig Boring	TGM	FDX
470	14/B/109	Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
471	14/A/2068	Surface Gri. Machine	Grinding	Conventional	Non Critical	11	Grinding	TGM	FDX
472	14/A/2081	Ver. Machining Cent. M/C.	Ver. Machining Cent.	CNC	Critical	11	Machine Shop	TGM	FDX
473	14/A/521 A	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Gear Shop	TGM	FDX
474	14/A/521 B	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Gear Shop	TGM	FDX
475	14/A/2045	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Ecc Section	TGM	FDX
476	14/A/2085	Cnc Machining Center M/C.	Cnc Machining Center	CNC	Non Critical	11	Gear Shop	TGM	FDX
477	14/A/118	Lathe Machine	Lathe	Conventional	Non Critical	11	Machine Shop	TGM	FDX
478	14/A/79	Vertical Boring M/C.	Vertical Boring	Conventional	Non Critical	11	Gear Shop	TGM	FDX
479	14/A/2047	Gear Hobbing Machine	Gear Hobbing	Conventional	Non Critical	11	Gear Shop	TGM	FDX
480	14/A/2052	Gear Hobbing Machine	Gear Hobbing	Conventional	Non Critical	11	Gear Shop	TGM	FDX
481	14/A/532	Gear Hobbing Machine	Gear Hobbing	Conventional	Non Critical	11	Gear Shop	TGM	FDX
482	14/A/508	Lathe Machine	Lathe	Conventional	Non Critical	11	Gear Shop	TGM	FDX
483	14/A/71	Slotter Machine	Slotter	Conventional	Non Critical	11	Ecc Section	TGM	FDX
484	14/A/518	Bore Grinding Machine	Bore Grinding	Conventional	Non Critical	11	Gear Shop	TGM	FDX
485	14/A/144	Cylindrical Grinding M/C.	Cylindrical Grinding	Conventional	Non Critical	11	Grinding	TGM	FDX
486	14/A/2063	Cnc Hob Sharpening Machine	Cnc Hob Sharpening	CNC	Critical	11	Gear Shop	TGM	FDX
487	14/A/519	Cnc Lathe Machine	Cnc Lathe	CNC	Non Critical	11	Gear Shop	TGM	FDX
488	14/A/83	Jig Boring Machine	Jig Boring	Conventional	Non Critical	11	Jig Boring	TGM	FDX
489	14/A/86	Jig Boring Machine	Jig Boring	Conventional	Non Critical	11	Jig Boring	TGM	FDX
490	14/A/517	Bore Gringding	Bore Gringding	Conventional	Non Critical	11	Gear Shop	TGM	FDX
491	14/A/2005	Cylindrical Grinding M/C.	Cylindrical Grinding	Conventional	Non Critical	11	Grinding	TGM	FDX
492	14/A/2079	Bore Grinding Machine	Bore Grinding	Conventional	Non Critical	11	Gear Shop	TGM	FDX
493	14/A/80	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Machine Shop	TGM	FDX
494	14/A/2050	Cylindrical Grinding M/C.	Cylindrical Grinding	Electronics	Critical	11	Grinding Shop	TGM	FDX
495	14/A/2054	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Machine Shop	TGM	FDX
496	14/A/2022	Horizontal Milling Machine	Milling	Conventional	Non Critical	11	Baabating	TGM	FDX
497	14/A/2003	Vertical Boring Machine	Vertical Boring	Conventional	Non Critical	11	Ecc	TGM	FDX
498	14/A/46	Master Milling Machine	Milling	CNC	Non Critical	11	Master Milling	TGM	FDX
499	14/B/2116 A	Carburizing Furnace	Furnace	Electronics	Critical	11	Heat Treatment	TGM	FDX
500	14/B/2116 B	Hardening Furnace	Furnace	Electronics	Critical	11	Heat Treatment	TGM	FDX
501	14/B/2116 C	Tempering Furnace	Furnace	Electronics	Critical	11	Heat Treatment	TGM	FDX
502	14/A/2062	Bore Grinding Machine	Bore Grinding	Conventional	Non Critical	11	Gear Shop	TGM	FDX
503	14/A/509	Lathe Machine	Lathe	Conventional	Non Critical	11	Gear Shop	TGM	FDX
504	14/A/510	Lathe Machine	Lathe	Conventional	Non Critical	11	Gear Shop	TGM	FDX
505	14/A/2073	Cnc Gear Teeth Gri. Machine	Cnc Gear Teeth Gri.	CNC	Non Critical	11	Gear Shop	TGM	FDX
506	14/B/2005	Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
507	14/A/2083	Cnc Gear Hobbing Machine	Cnc Gear Hobbing	CNC	Critical	11	Gear Shop	TGM	FDX
508	14/A/82	Jig Boring Machine	Jig Boring	Conventional	Non Critical	11	Jig Boring	TGM	FDX
509	14/B/2035	Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
510	14/B/138	Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
511	14/B/140	Tempering Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
512	14/B/2089	S R Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
513	14/B/2104	Furnace	Furnace	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
514	14/B/2113	Shot Blasting Machine	Shot Blasting	Conventional	Non Critical	11	Heat Treatment	TGM	FDX
515	14/A/2055	Pleno Miller Machine	Pleno Miller	Electronics	Non Critical	11	Heavy Tool	TGM	FDX
516	14/A/2084	Gear Hobbing Machine	Gear Hobbing	CNC	Non Critical	11	Gear Shop	TGM	FDX
517	14/A/2048	Radial Drilling Machine	Radial Drilling	Conventional	Non Critical	11	Heavy Tool	TGM	FDX
518	14/A/2058	Radial Drilling Machine	Radial Drilling	Conventional	Non Critical	11	Heavy Tool	TGM	FDX
519	14/A/2060	Radial Drilling Machine	Radial Drilling	Conventional	Non Critical	11	Gear Shop	TGM	FDX
520	14/A/2087	Cnc Jig Boring Machine	Cnc Jig Boring	CNC	Critical	11	Jig Boring	TGM	FDX
521	14/A/90	Radial Drill Machine	Radial Drill	Conventional	Non Critical	11	Heavy Tools	TGM	FDX
522	13/A/20	120 Ton Press	Power Press	Conventional	Non Critical	10	3	PRM	FDX
523	13/A/2001	300 Ton Power Press	Power Press	Conventional	Non Critical	10	3	PRM	FDX
524	13/A/26	500 Ton Power Press	Power Press	Conventional	Non Critical	10	3	PRM	FDX
525	13/A/22	200 Ton Power Press	Power Press	Conventional	Non Critical	10	3	PRM	FDX
526	13/A/46	6 Feet Shearing Machine	Shearing Machine	Conventional	Non Critical	10	3	PRM	FDX

527	13/A/52	8 Feet Shearing M/Cs	Shearing Machine	Conventional	Non Critical	10	3	PRM	FDX
528	13/A/100	Lathe	Lathe	Conventional	Non Critical	10	3	PRM	FDX
529	13/A/47	Vertical Drill Machine	Drill Machine	Conventional	Non Critical	10	3	PRM	FDX
530	13/A/68	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
531	13/A/74	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
532	13/A/32	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
533	13/A/71	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
534	13/A/69	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
535	13/A/34	Notching Press 6 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
536	13/A/192	40 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
537	13/A/16	40 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
538	13/A/103	40 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
539	13/A/8	20 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
540	13/A/61	20 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
541	13/A/15	40 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
542	13/A/62	20 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
543	13/B/2020	Projection Weld	Spot/Projection Welding Machine	Electronics	Critical	10	4	PRM	FDX
544	13/B/1	Spot Weld	Spot/Projection Welding Machine	Conventional	Non Critical	10	4	PRM	FDX
545	13/A/2040	Impact Press 8 Ton	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
546	13/A/2027	Ameteep Notching Press	Notching Press	Electronics	Critical	10	4	PRM	FDX
547	13/A/1	12 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
548	13/A/2	12 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
549	13/A/77	Ameteep Press, 30 Ton	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
550	19/B/2006	Spray Painting Booth	Spray Painting	Conventional	Non Critical	10	4	PRM	FDX
551	13/A/104	39 Ton Press	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
552	13/A/ 54	120 Ton Press	Power Press	Electronics	Non Critical	10	4	PRM	FDX
553	13/A/ 58	120 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
554	13/A/ 59	120 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
555	13/A/ 55	120 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
556	13/A/ 19	120 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
557	13/A/ 53	150 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
558	13/A/60	100 Ton Press	Power Press	Conventional	Non Critical	10	4	PRM	FDX
559	13/A/66	Radial Notching	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
560	13/A/64	Radial Notching	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
561	13/A/05	Radial Notching	Notching Press	Conventional	Non Critical	10	4	PRM	FDX
562	13/A/84	Lumsdan Grinding M/C	Surface Grinding Machine	Conventional	Non Critical	10	4	PRM	FDX
563	13/A/86	Surface Grinding M/C	Surface Grinding Machine	Conventional	Non Critical	10	4	PRM	FDX
564	Bay-IV West side	Surface Grinding M/C Praga Make	Surface Grinding Machine	Conventional	Non Critical	10	4	PRM	FDX
565	13/A/51	Shearing Machine	Shearing Machine	Conventional	Non Critical	10	4	PRM	FDX
566	13/A/49	Shearing Machine	Shearing Machine	Conventional	Non Critical	10	4	PRM	FDX
567	13/A/50	Shearing Machine	Shearing Machine	Conventional	Non Critical	10	4	PRM	FDX
568	13/A/2019	Grinding Master	Deburring Machine	Conventional	Critical	10	2	PRM	FDX
569	13/A/2030	Grinding Master	Deburring Machine	Electronics	Critical	10	2	PRM	FDX
570	13/B/2008	Projection Weld	Spot/Projection Welding Machine	Electronics	Critical	10	2	PRM	FDX
571	13/B/2012	Projection Weld	Spot/Projection Welding Machine	Electronics	Critical	10	2	PRM	FDX
572	13/B/02	Spot Weld	Spot Welding Machine	Conventional	Non Critical	10	2	PRM	FDX
573	13/B/2001	Spot Welding New M/C	Spot Welding Machine	Electronics	Non Critical	10	2	PRM	FDX
574	13/B/2006	Varnishing Plants	Varnishing Plant	Conventional	Non Critical	10	2	PRM	FDX
575	13/A/2036	32 Ton Segmental & Circular Cnc	Notching Press	CNC	Critical	10	1	PRM	FDX
576	13/A/2034	Surface Grinder	Surface Grinding Machine	Conventional	Non Critical	10	2	PRM	FDX
577	13/A/2015	250 Ton Cnc Blanking Line	Power Press	CNC	Critical	10	2	PRM	FDX
578	13/A/2021	16 Ton Cnc Notching Automat.	Notching Press	CNC	Critical	10	2	PRM	FDX
579	13/A/2012	8 Ton Cnc Notching Automat.	Notching Press	CNC	Critical	10	2	PRM	FDX
580	13/A/2022	16 Ton Segmental	Notching Press	CNC	Critical	10	2	PRM	FDX
581	13/A/2009	1600 Ton Hmt Press	Power Press	Conventional	Critical	10	3	PRM	FDX
582	13/A/2011	Homma Grinding Machine	Surface Grinding Machine	Conventional	Critical	10	3	PRM	FDX
583	13/B/2005	Varnishing Plant	Varnishing Plant	Conventional	Critical	10	2	PRM	FDX
584	13/A/2032	New 8 Ton, 8 Stn Cnc Machine	Notching Press	CNC	Critical	10	2	PRM	FDX
585	13/A/2035	12.5 Ton Impact Notching M/C.	Notching Press	Electronics	Critical	10	4	PRM	FDX

586	13/A/2037	12.5 Ton Impact Notching M/C.	Notching Press	Electronics	Critical	10	4	PRM	FDX
587	13/A/2038	12.5 Ton Impact Notching M/C.	Notching Press	Electronics	Critical	10	4	PRM	FDX
588	11/B/0009	Loop Wndg M/C	Winding	Conventional	Critical	8	5	CIM	FDX
589	11/B/0024	Hyd Pulling M/C	Pulling	Conventional	Critical	8	5	CIM	FDX
590	11/A/2080	Hyd Press	Press	Conventional	Critical	8	1	CIM	FDX
591	11/A/2074	Hyd Press	Press	Conventional	Critical	8	3	CIM	FDX
592	11/A/2134	Hyd Press	Press	Conventional	Critical	8	3	CIM	FDX
593	11/B/2288	Coil Pulling Machine	Pilling	Electronics	Critical	8	3	CIM	FDX
594	11/A/0019	Hyd Press	Press	Conventional	Critical	8	3	CIM	FDX
595	11/B/2192	Auto Taping M/C	Taping	Electronics	Critical	8	5	CIM	FDX
596	11/B/2088	Edge Wndg M/C	Winding	Conventional	Critical	8	3	CIM	FDX
597	11/B/2087	Edge Wndg M/C	Winding	Conventional	Critical	8	2	CIM	FDX
598	11/B/2055	Heavy Duty Wndg M/C	Winding	Conventional	Critical	8	4	CIM	FDX
599	11/A/2045	Hot & Cold Press	Press	Conventional	Critical	8	5	CIM	FDX
600	11/A/2046	Hot & Cold Press	Press	Electronics	Critical	8	5	CIM	FDX
601	11/A/2081	Hot & Cold Press	Press	Electronics	Critical	8	5	CIM	FDX
602	11/A/0021	Hydpress 250 T	Press	Conventional	Critical	8	3	CIM	FDX
603	11/A/0025	Hyd Bending Press	Press	Conventional	Critical	8	3	CIM	FDX
604	11/A/0132	Power Press 40 T	Press	Conventional	Critical	8	4	CIM	FDX
605	11/A/0136	Hyd Press	Press	Conventional	Critical	8	2	CIM	FDX
606	11/A/2047	Slitting & Re Wndg M/C	Winding	Conventional	Critical	8	1	CIM	FDX
607	11/B/0013	Horz Coil Wldg M/C	Winding	Conventional	Critical	8	4	CIM	FDX
608	11/B/2125	Brazing M/C	Brazing	Conventional	Critical	8	4	CIM	FDX
609	11/B/2264	Cyl Coil Wndg M/C	Winding	Conventional	Critical	8	4	CIM	FDX
610	11/B/0150	Brazing M/C	Brazing	Conventional	Critical	8	1	CIM	FDX
611	11/B/2168	Auto Taping M/C	Taping	Conventional	Critical	8	5	CIM	FDX
612	11/A/0055	Slitting & Re Wndg M/C	Winding	Conventional	Critical	8	1	CIM	FDX
613	11/B/2034	Mica Curing M/C	Curing	Conventional	Critical	8	1	CIM	FDX
614	11/B/2095	Mica Curing M/C	Curing	Conventional	Critical	8	1	CIM	FDX
615	11/A/2125	Hot & Cold Press	Press	Conventional	Critical	8	4	CIM	FDX
616	11/A/0058	Power Press	Press	Conventional	Critical	8	4	CIM	FDX
617	11/A/2062	Mica Sanding M/C	Sanding	Conventional	Critical	8	1	CIM	FDX
618	11/A/2092	Hyd Press 150 T	Press	Conventional	Critical	8	1	CIM	FDX
619	19/B/2007	Loop Winding Machine	Winding	Electronics	Critical	8	4	CIM	FDX
620	11/A/2095 B	Rotary Press	Press	Electronics	Critical	8	5	CIM	FDX
621	11/A/2127	Hyd Press 300 T	Press	Conventional	Critical	8	1	CIM	FDX
622	11/A/2128	Hyd Press 500 T	Press	Conventional	Critical	8	2	CIM	FDX
623	11/A/2150	Hyd Press 100 T	Press	Conventional	Critical	8	4	CIM	FDX
624	11/A/0138	Horz Hyd Press 450 T	Press	Conventional	Critical	8	2	CIM	FDX
625	19/B/2003	Auto Taping M/C	Taping	Electronics	Critical	8	5	CIM	FDX
626	11/A/0034	Vertical Milling M/C	Milling	Conventional	Critical	8	4	CIM	FDX
627	11/A/0084	Horz Milling M/C	Milling	Conventional	Critical	8	1	CIM	FDX
628	11/A/0024	Hyd Press 450 T	Press	Conventional	Critical	8	2	CIM	FDX
629	11/B/0082	Band Saw	Saw	Conventional	Critical	8	1	CIM	FDX
630	11/A/0130	24 Head Hyd Press	Head	Conventional	Critical	8	5	CIM	FDX
631	11/A/2089	Lath M/C	Lath	Conventional	Critical	8	1	CIM	FDX
632	11/B/2174	Horz Hyd Press	Winding	Conventional	Critical	8	2	CIM	FDX
633	11.B.2202	Loop Wndg M/C	Wndg	Conventional	Critical	8	4	CIM	FDX
634	11.A.2173	250 Ton Mdl Press	Ton	Conventional	Critical	8	3	CIM	FDX
635	11.B.2275	Coil Pulling Machine	Winding	Electronics	Critical	8	3	CIM	FDX
636	11.B.2203	Pulling Machine	Machine	Conventional	Critical	8	5	CIM	FDX
637	11.A.2118	250 Ton Mdl Press	Ton	Conventional	Critical	8	3	CIM	FDX
638	11.A.2119	250 Ton Mdl Press	Ton	Conventional	Critical	8	3	CIM	FDX
639	11.B.2245	Cyl Wndg M/C's	Winding	Conventional	Critical	8	4	CIM	FDX
640	11.B.2126	Vpi Plants	Plants	Conventional	Critical	8	3	CIM	FDX
641	11.A.0089	Punching Press	Press	Conventional	Critical	8	4	CIM	FDX
642	11/A/2109	Paper Guillotine M/C	Guillotine	Conventional	Critical	8	1	CIM	FDX
643	11/B/2181	Cnc Cond Cutting M/C's	Winding	CNC	Critical	8	5	CIM	FDX
644	11.A.2102	Edge Winding M/C	Winding	Conventional	Critical	8	2	CIM	FDX

645	11.A.2145	160 Ton Godrej Press	Ton	Conventional	Critical	8	3	CIM	FDX
646	11.B.2204	Maxei Pulling M/C	Pulling	Conventional	Critical	8	3	CIM	FDX
647	11/A/2187	Coil Pulling Machine	Winding	Electronics	Critical	8	2	CIM	FDX
648	11/A/2104	T&G Make Hyd. Press	Press	Conventional	Non Critical	8	2	CIM	FDX
649	11/B/2297	Hyd. Press M/C	Press	Conventional	Non Critical	8	2	CIM	FDX
650	11/A/2179 (a)	Vulcanizing M/C	Vulcanizing	Conventional	Non Critical	8	2	CIM	FDX
651	11/A/2179 (b)	Vulcanizing M/C	Vulcanizing	Conventional	Non Critical	8	2	CIM	FDX
652	11/A/2295 (a)	Vulcanizing M/C	Vulcanizing	Conventional	Non Critical	8	2	CIM	FDX
653	11/A/2295 (b)	Vulcanizing M/C	Vulcanizing	Conventional	Non Critical	8	2	CIM	FDX
654	11/A/2295 (c)	Vulcanizing M/C	Vulcanizing	Conventional	Non Critical	8	2	CIM	FDX
655	11/B/88	Mica Curing M/C	Curing	Conventional	Non Critical	8	1	CIM	FDX
656	11/B/89	Mica Curing M/C	Curing	Conventional	Non Critical	8	1	CIM	FDX
657	11/B/90	Mica Curing M/C	Curing	Conventional	Non Critical	8	1	CIM	FDX
658	11/B/50	Vpi		Conventional	Non Critical	8	3	CIM	FDX
659	11/B/51	Vpi		Conventional	Non Critical	8	3	CIM	FDX
660	11/A/2057	Uk Make Hand Press	Press	Electronics	Non Critical	8	2	CIM	FDX
661	19/D/2929	Pressurization Plant- 8 Nos		Conventional	Critical	8		CIM	FED
662	11/A/0045	Jig Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
663	11/A/0047	Band Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
664	11/A/0051	Guillotine M/C	Guillotine	Conventional	Non Critical	ID & Mould		CIM	FDX
665	11/A/2163	Paper Guillotine M/C	Guillotine	Conventional	Non Critical	ID & Mould		CIM	FDX
666	11/A/0052	Ss&Sc Lathe	Lathe	Conventional	Non Critical	ID & Mould		CIM	FDX
667	11/A/2154	Power Guillotine M/C	Guillotine	Conventional	Non Critical	ID & Mould		CIM	FDX
668	11/A/0059	Horz. Plain Milling M/C	Milling	Conventional	Non Critical	ID & Mould		CIM	FDX
669	11/A/0060	4 Spindle Driling M/C	Drilling	Conventional	Non Critical	ID & Mould		CIM	FDX
670	11/A/0074	Horz. Plain Milling M/C	Milling	Conventional	Non Critical	ID & Mould		CIM	FDX
671	11/A/0081	Circural Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
672	11/A/0082	Band Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
673	11/A/0083	Plaining M/C	Plaining	Conventional	Non Critical	ID & Mould		CIM	FDX
674	11/A/2001	Jig Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
675	11/A/2070	Circular Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
676	11/A/2077	Radial Arm Dilling M/C	Drilling	Conventional	Non Critical	ID & Mould		CIM	FDX
677	11/A/2090	Vertical Milling M/C	Milling	Conventional	Non Critical	ID & Mould		CIM	FDX
678	11/A/0032	Circular Saw	Saw M/C	Conventional	Non Critical	ID & Mould		CIM	FDX
679	11/A/1227	Drill M/C	Drilling	Conventional	Non Critical	ID & Mould		CIM	FDX
680	16/A/2032	Horz Band Saw	Saw	Conventional	Non Critical	TSD mc shop		CIM	FDX
681	16/A/0017	Band Saw	Saw	Conventional	Non Critical	TSD mc shop		CIM	FDX
682	16/B/2360	Muffle Furnace	Furnace	Conventional	Non Critical	TSD Chem lab		CIM	FDX
683	16/A/0007	Surface Grinder	Grinder	Conventional	Non Critical	TSD mc shop		CIM	FDX
684	16/A/0001	Capston Lathe M/C	Lathe	Conventional	Non Critical	TSD mc shop		CIM	FDX
685	16/B/2359	Muffle Furnace	Furnace	Conventional	Non Critical	TSD Chem lab		CIM	FDX
686	16/A/2004	Vert Milling M/C	Milling	Conventional	Non Critical	TSD mc shop		CIM	FDX
687	16/A/2024	Power Saw	Saw	Conventional	Non Critical	TSD mc shop		CIM	FDX
688	16/A/2025	Universal Milling M/C	Milling	Conventional	Non Critical	TSD mc shop		CIM	FDX
689	16/A/2002	Horz Milling M/C	Milling	Conventional	Non Critical	TSD mc shop		CIM	FDX
690	16/A/0005	Dill M/C	Drilling	Conventional	Non Critical	TSD mc shop		CIM	FDX
691	16/B/0018	Mcd Machine	Machine	Conventional	Non Critical	TSD		CIM	FDX
692	16/B/2124	Hardness Testing M/C	Testing	Conventional	Non Critical	TSD		CIM	FDX
693	16/B/2276	Hardness Testing M/C	Testing	Conventional	Non Critical	TSD		CIM	FDX
694	16/B/0003	Impact Testing M/C	Testing	Conventional	Non Critical	TSD		CIM	FDX
695	16/B/0007	Hardness Testing M/C	Testing	Conventional	Non Critical	TSD		CIM	FDX
696	16/B/0002	Universal Testing M/C	Testing	Conventional	Non Critical	TSD		CIM	FDX
697	16/B/2369	Electric Oven	Oven	Conventional	Non Critical	TSD		CIM	FDX
698	16/B/0224	Electric Furnace	Furnace	Conventional	Non Critical	TSD		CIM	FDX
699	16/B/2176	Vortex Mixer M/C	Mixer	Conventional	Non Critical	CIT		CIM	FDX
700	16/B/2300	Synthetic Kettle M/C	Kettle	Conventional	Non Critical	CIT		CIM	FDX
701	16/B/2180	Pot Mill M/C	Mill	Conventional	Non Critical	CIT		CIM	FDX
702	16/B/2365	Needing Mixer M/C	Mixer	Conventional	Non Critical	CIT		CIM	FDX
703	16/B/2034	Open Kettle M/C	Kettle	Conventional	Non Critical	CIT		CIM	FDX

704	16/B/2296	Open Kettle M/C	Kettle	Conventional	Non Critical	CIT		CIM	FDX
705	16/B/2320	Needing Mixer M/C	Mixer	Conventional	Non Critical	CIT		CIM	FDX
706	16/B/2362	Electric Oven	Oven	Conventional	Non Critical	CIT		CIM	FDX
707	18/A/2010	Circular Saw	Saw	Conventional	Non Critical	Packing Shed		CIM	FDX
708	2/ A / 2073	CNC HorizC707:C868ontal Borer (PAMA I)	Horizontal Borer	CNC	Critical	GJB	GJB	WTM	FHX
709	2 / A / 2074	CNC Lathe (SAFOP)	Lathe	CNC	Critical	GJB	GJB	WTM	FHX
710	2 / A / 2075	CNC Horizontal Borer (PAMA III)	Horizontal Borer	CNC	Critical	GJB	GJB	WTM	FHX
711	2 / A / 2076	Peitro CNC Vertical Borer	Vertical Borer	CNC	Critical	GJB	GJB	WTM	FHX
712	2 / A / 2083	CNC Horizontal Borer (PAMA II)	Horizontal Borer	CNC	Critical	GJB	GJB	WTM	FHX
713	19 / A / 2007	CNC Vertical borer (WUZONG)	Vertical Borer	CNC	Critical	GJB	GJB	WTM	FHX
714	2/D/2007	Centralized Chips Conveyor	Chips Conveyor	CNC	Critical	GJB	GJB	WTM	FHX
715	10/A/2004	HMX CNC 5 Axis Milling m/c	Milling	CNC	Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
716	10/A/2003	HMX CNC 3 Jyoti Milling m/c	Milling	CNC	Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
717	10/A/2055	HMX CNC 3 Axis Wardkin m/c	Milling	CNC	Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
718	10/A/2002	HMX CNC HB -80 Lathe	Lathe	CNC	Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
719	2/A/2071	Ward Lathe	Lathe	Conventional	Non Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
720	2/A/2048	Ward Lathe	Lathe	Conventional	Non Critical	HYDRO LAB	HYDRO LAB	WTM	FHX
721	2/A/2	CNC Carvan Lathe	Lathe	CNC	Critical	1	1	WTM	FHX
722	2 / A / 8	CNC Craven Lathe	Lathe	CNC	Critical	1	4	WTM	FHX
723	2 / A / 40	CNC Vertical Borer (Richards)	Vertical Borer	CNC	Critical	1	2	WTM	FHX
724	2 / A / 42	CNC Vertical Borer (Richards)	Vertical Borer	CNC	Critical	1	2	WTM	FHX
725	2 / A / 43	CNC Vertical Borer (Richards)	Vertical Borer	CNC	Critical	1	3	WTM	FHX
726	2 / A / 44	CNC Vertical Borer (Richards)	Vertical Borer	CNC	Critical	1	1	WTM	FHX
727	2 / A / 45	Vertical Borer (Craven)	Vertical Borer	CNC	Critical	1	3	WTM	FHX
728	2 / A / 46	Vertical Borer (Craven)	Vertical Borer	CNC	Critical	1	3	WTM	FHX
729	2 / A / 47	Vertical Borer (Craven)	Vertical Borer	Electronics	Critical	1	3	WTM	FHX
730	2 / A / 48	Vertical Borer (Craven)	Vertical Borer	Electronics	Critical	1	3	WTM	FHX
731	2 / A / 68	CNC Lathe (Ward)	Lathe	CNC	Critical	1	2	WTM	FHX
732	2 / A / 2101	CNC Horizontal Borer (HMT)	Horizontal Borer	CNC	Critical	1	2	WTM	FHX
733	2 / A / 2027	CNC Lathe (L 45)	Lathe	CNC	Critical	1	2	WTM	FHX
734	2 / A / 2079	CNC Vertical Milling	Milling	CNC	Critical	1	2	WTM	FHX
735	2 / A / 2060	CNC Horizontal Borer (Skoda)	Horizontal Borer	CNC	Critical	1	3	WTM	FHX
736	2/A/2088	CNC Lathe L-70 (HMT)	Lathe	CNC	Critical	1	2	WTM	FHX
737	2/A/4	Craven Lathe	Lathe	Conventional	Non Critical	1	1	WTM	FHX
738	2/A/5	Lathe	Lathe	Conventional	Non Critical	1	2	WTM	FHX
739	2/A/9	Lathe	Lathe	Conventional	Non Critical	1	4	WTM	FHX
740	2/A/10	Lathe	Lathe	Electronics	Non Critical	1	4	WTM	FHX
741	2/A/11	Lathe	Lathe	Electronics	Non Critical	1	4	WTM	FHX
742	2/A/15	Drill Machine	Drilling	Conventional	Non Critical	1	1	WTM	FHX
743	2/A/17	Drill Machine	Drilling	Conventional	Non Critical	1	3	WTM	FHX
744	2/A/18	Drill Machine	Drilling	Conventional	Non Critical	1	2	WTM	FHX
745	2/A/19	Drill Machine	Drilling	Conventional	Non Critical	1	2	WTM	FHX
746	2/A/2086	Drill Machine	Drilling	Conventional	Non Critical	1	4	WTM	FHX
747	2/A/21	Planner	Planner	Electronics	Non Critical	1	2	WTM	FHX
748	2/A/22	Planner	Planner	Electronics	Non Critical	1	4	WTM	FHX
749	2/A/23	Planner	Planner	Electronics	Non Critical	1	1	WTM	FHX
750	2/A/28	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	1	2	WTM	FHX
751	2/A/29	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	1	2	WTM	FHX
752	2/A/30	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	1	2	WTM	FHX
753	2/A/31	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	1	4	WTM	FHX
754	2/A/31A	Horizontal Borer	Horizontal Borer	Electronics	Non Critical	1	4	WTM	FHX
755	2/A/33	Horizontal Borer	Horizontal Borer	Electronics	Non Critical	1	2	WTM	FHX
756	2/A/34	Horizontal Borer	Horizontal Borer	Electronics	Non Critical	1	2	WTM	FHX
757	2/A/37	Vertical Borer	Vertical Borer	Electronics	Non Critical	1	2	WTM	FHX
758	2/A/38	Vertical Borer	Vertical Borer	Electronics	Non Critical	1	2	WTM	FHX
759	2/A/41	Vertical Borer	Vertical Borer	Electronics	Non Critical	1	2	WTM	FHX
760	2/A/48A	Coulmn	Horizontal Borer	Electronics	Non Critical	1	3	WTM	FHX
761	2/A/49	Vertical Borer	Vertical Borer	Conventional	Non Critical	1	1	WTM	FHX
762	2/A/65	Lathe	Lathe	Conventional	Non Critical	1	1	wtm	FHX

763	2/A/82	Lathe	Lathe	Conventional	Non Critical	1	1	WTM	FHX
764	2/A/121	Plano Milling	Plano Milling	Electronics	Non Critical	1	1	WTM	FHX
765	2/A/142	R B Lathe	Lathe	Conventional	Non Critical	1	3	WTM	FHX
766	2/A/2036	PIGARD Hor. Borer	Horizontal Borer	Electronics	Non Critical	1	2	WTM	FHX
767	2/A/2067	Drill Machine	Drilling	Conventional	Non Critical	1	3	WTM	FHX
768	2/A/2078	Drill Machine	Drilling	Electronics	Non Critical	1	3	WTM	FHX
769	2/A/2029	Lathe machine	Lathe	Conventional	Non Critical	1	1	WTM	FHX
770	2/A/2084	Vertical Borer	Vertical Borer	Electronics	Non Critical	1	3	WTM	FHX
771	2/A/67	ward lathe	Lathe	Conventional	Non Critical	1	1	WTM	FHX
772	2/A/120	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
773	2/A/115	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
774	2/A/112	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
775	2/A/141	Slotter M/C	Slotter	Conventional	Non Critical	1	1	WTM	FHX
776	2/A/130	Slotter M/C	Slotter	Conventional	Non Critical	1	1	WTM	FHX
777	2/A/2044	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
778	2/A/106	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
779	2/A/107	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
780	2/A/2064	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
781	2/A/79	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
782	2/A/2085	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	3	WTM	FHX
783	2/A/2013	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
784	2/A/2037	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
785	2/A/2014	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
786	2/A/2024	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
787	2/A/2033	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
788	2/A/2023	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
789	2/A/62	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
790	2/A/2021	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
791	2/A/63	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
792	2/A/2047	Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
793	2/A/69	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
794	2/A/70	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
795	2/A/62	Ward Lathe Machine	Lathe	Conventional	Non Critical	1	2	WTM	FHX
796	2/A/122	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
797	2/A/123	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
798	2/A/124	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
799	2/A/113	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
800	2/A/12	V. Milling M/C	Milling	Conventional	Non Critical	1	1	WTM	FHX
801	2/A/53	Griding Machine	Grinding	Conventional	Non Critical	1	1	WTM	FHX
802	2/A/138	Griding Machine	Grinding	Conventional	Non Critical	1	1	WTM	FHX
803	2/A/99	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	2	WTM	FHX
804	2/A/94	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	2	WTM	FHX
805	2/A/2045	Radial Drilling M/C	Drilling	Conventional	Non Critical	1	2	WTM	FHX
806	2/A/2087	Bend Saw Machine	Bend Saw	Conventional	Non Critical	1	1	WTM	FHX
807	2/A/2065	Bend Saw Machine	Bend Saw	Conventional	Non Critical	1	1	WTM	FHX
808	2/A/2081	Bend Saw Machine	Bend Saw	Conventional	Non Critical	1	1	WTM	FHX
809	2/A/2066	Tool Grinding M/C	Grinding	Conventional	Non Critical	1	2	WTM	FHX
810	2/A/134	Tool Grinding M/C	Grinding	Conventional	Non Critical	1	2	WTM	FHX
811	2/A/55	Tool Grinding M/C	Grinding	Conventional	Non Critical	1	2	WTM	FHX
812	2/A/2063	Tool Grinding M/C	Grinding	Conventional	Non Critical	1	2	WTM	FHX
813	2/B/2040	HVOF Plant	Oxyfuel Coating Plant	Electronics	Critical	1C	1C	FGM	FHX
814	1/B/52	Shot Blast Plant	Shot Blast Plant	Conventional	Critical	1B	1	FMM	FHX
815	1/B/51	Shot Blast Plant	Shot Blast Plant	Conventional	Critical	1B	2	FMM	FHX
816	1/A/2099	CNC Radiator flute rolling machine	Rolling	CNC	Critical	1B	2	FMM	FHX
817	1/B/2433	Shot Blast Plant	Shot Blast Plant	Conventional	Critical	1B	3	FMM	FHX
818	1/B/2124	CNC Drilling Machine	Drilling	CNC	Critical	1B	2	FMM	FHX
819	1/B/2160	CNC Radiator welding seamline machine	Welding	Electronics	Critical	1B	2	FMM	FHX
820	1/B/2574	S. R. Furnace	Furnace	Electronics	Critical	1	6	FWM	FHX
821	1/B/2214	Electro slag Welding Machine	Welding	Electronics	Critical	1	5	FGM	FHX

822	1/B/2132	ESW Machine New	Welding	Electronics	Non Critical	1	5	FGM	FHX
823	1/ B/2031	S. R. Furnace 80 Ton	Furnace	Electronics	Critical	1	5	FGM	FHX
824	1/B/53	S.B. Plant	Shot Blast Plant	Conventional	Critical	1	5	FWM	FHX
825	Motofil	Welding Gantry Robot Equipment	Welding	Electronics	Critical	1	7	FTM	FHX
826	1/B/2009	S.B. Plant	Shot Blast Plant	Conventional	Critical	1	7	FTM	FHX
827	1/B/2298	Narrow Gap welding Machine	Welding	Electronics	Critical	1	8	FWM	FHX
828	2/B/2040	HVOF Plant	Oxyfuel Coating Plant	Electronics	Critical	1C	1C	FWM	FHX
829	25/A/2001	CNC Lahr Deep Hole Drilling Machine	Drilling	CNC	Critical	1	8	HCM	FHX
830	25/A/2040	CNC Drilling Machine (Arboga)	Drilling	CNC	Critical	1	8	HCM	FHX
831	25/A/2032	CNC Multi Spindle Drilling Machine	Drilling	CNC	Critical	1	8	HCM	FHX
832	25/A/2014	CNC Vertical Boring Machine	Vertical Borer	CNC	Critical	1	8	HCM	FHX
833	25/A/2005	CNC Vertical Boring Machine	Vertical Borer	CNC	Critical	1	8	HCM	FHX
834	25/A/2019	CNC K & W Machine	Drilling	CNC	Critical	1	8	HCM	FHX
835	1/B/2407	Painting Booth	Painting Booth	Electronics	Non Critical	1	7	FTM	FHX
836	1/B/2407	Heating Oven	Heating Oven	Electronics	Non Critical	1	7	FTM	FHX
837	1/B/2300	Manipulator (Narrow Gap Weld. M/c)	Welding	Electronics	Non Critical	1	8	FWM	FHX
838	1/B/143	Manipulator (Boom & Column Weld. M/c)	Welding	Electronics	Non Critical	1	6	FWM	FHX
839	25/A/2004	Horizontal Borer	Horizontal Borer	Conventional	Non Critical	1	8	HCM	FHX
840	25/A/0059	Lathe Machine - 7C	Lathe	Conventional	Non Critical	1	8	HCM	FHX
841	25/A/2035	Lathe Machine - 10 C	Lathe	Conventional	Non Critical	1	8	HCM	FHX
842	25/A/2023	Lathe Machine - 7C	Lathe	Conventional	Non Critical	1	8	HCM	FHX
843	25/A2034	Lathe Machine - 3D.S.	Lathe	Conventional	Non Critical	1	8	HCM	FHX
844	25/A/2013	Drilling Machine	Drilling	Conventional	Non Critical	1	8	HCM	FHX
845	25/A/2002	Drilling Machine	Drilling	Conventional	Non Critical	1	8	HCM	FHX
846	1/B/223	Boom & Column Machine	Welding	Electronics	Non Critical	1	6	FWM	FHX
847	1/B/226	Boom & Column Machine	Welding	Electronics	Non Critical	1	6	FWM	FHX
848	1/B/2581	Mogra Welding Machine	Welding	Electronics	Non Critical	1	6	FWM	FHX
849	1 / B / 2111	Flame cutting Machine	Flame Cutting	Electronics	Non Critical	1B	1	FMM	FHX
850	1 / B / 222	Gas Furnance	Furnance	Conventional	Non Critical	1B	1	FMM	FHX
851	1 / A / 76	R/A Drill Machine	Drilling	Conventional	Non Critical	1B	2	FMM	FHX
852	1 / A / 13	Guillotine Machine	Shearing	Conventional	Non Critical	1B	2	FMM	FHX
853	1 / A / 68	Guillotine Machine	Shearing	Conventional	Non Critical	1B	2	FMM	FHX
854	1 / A / 2035	Nibbling Machine	Nibbling	Conventional	Non Critical	1B	2	FMM	FHX
855	1 / A / 73	Power press Machine	Press	Conventional	Non Critical	1B	2	FMM	FHX
856	1 / A / 23	Press Breakk Machine	Press	Conventional	Non Critical	1B	2	FMM	FHX
857	1 / A / 72	Godrej Press Machine	Press	Conventional	Non Critical	1B	2	FMM	FHX
858	1 / A / 2079	Imbosing Machine	Imbosing	Conventional	Non Critical	1B	2	FMM	FHX
859	1 / A / 60	Header punching Machine	Punching	Conventional	Non Critical	1B	2	FMM	FHX
860	1 / A / 2121	Cap. Box Folding Machine	Bending	Conventional	Non Critical	1B	2	FMM	FHX
861	1 / A / 8	Sheet Rolling Machine	Rolling	Conventional	Non Critical	1B	2	FMM	FHX
862	1 / A / 2122	Section Rolling Machine	Rolling	Conventional	Non Critical	1B	2	FMM	FHX
863	1 / B / 80	300 Ton Press Machine	Press	Conventional	Non Critical	1B	2	FMM	FHX
864	1/B/2419	Cross Seam Welding Machine	Welding	Conventional	Non Critical	1B	3	FMM	FHX
865	1/B/2647	Cross Seam Welding Machine	Welding	Conventional	Non Critical	1B	3	FMM	FHX
866	1/C/94	R A Drilling Machine	Drilling	Conventional	Non Critical	1B	1	FMM	FHX
867	1/B/2605	Hyd. Press Machine 150 Ton	Press	Conventional	Non Critical	1B	2	FMM	FHX
868	1/A/2067	Shaper Machine	Shaping	Conventional	Non Critical	1B	1	FMM	FHX
869	1/A/2041	Milling Machine	Milling	Conventional	Non Critical	1B	2	FMM	FHX
870	25/A/2027	RA Drilling Machine	Drilling	Conventional	Non Critical	1	8	HCM	FHX
871	25/B/2027	S. R. Furnace	Furnace	Electronics	Non Critical	1	8	HCM	FHX
872		HMT Lathe Machine	Lathe	Conventional	Non Critical	1	7	FTM	FHX
873		HMT Lathe Machine 2	Lathe	Conventional	Non Critical	1	7	FTM	FHX
874		HMT Lathe Machine 3	Lathe	Conventional	Non Critical	1	7	FTM	FHX
875		RA Drilling Machine 1	Drilling	Conventional	Non Critical	1	7	FTM	FHX
876		RA Drilling Machine 2	Drilling	Conventional	Non Critical	1	7	FTM	FHX
877		Ansaldo Grinding Machine	Grinding	Conventional	Non Critical	1	5	FGM	FHX
878		Narrow Gap Welding Machine Haridwar	Welding	Electronics	Non Critical	1	6	FWM	FHX
879		Cu Built Welding Positioner	Welding	Conventional	Non Critical	1	6	FWM	FHX
880	25/A/2046	power Hexa Cutting Machine	Cutting	Conventional	Non Critical	1	8	HCM	FHX

881	25/A/2031	Tube Expanding Machine	Expansion	Electronics	Non Critical	1	8	HCM	FHX
882	25/A/2049	Tube Expanding Machine	Expansion	Electronics	Non Critical	1	8	HCM	FHX
883	25/A/2018	RA Drilling Machine	Drilling	Conventional	Non Critical	1	8	HCM	FHX
884	25/A/2015	Grinding Machine	Grinding	Conventional	Non Critical	1	8	HCM	FHX
885	25/A/2036	Grinding Machine	Grinding	Conventional	Non Critical	1	8	HCM	FHX
886	25/A/2025	Grinding Machine	Grinding	Conventional	Non Critical	1	8	HCM	FHX
887	25/A/2038	Grinding Machine	Grinding	Conventional	Non Critical	1	8	HCM	FHX
888	Cu Built	Welding Positioner	Welding	Electronics	Non Critical	1	8	HCM	FHX
889	Finearc	Welding Positioner	Welding	Conventional	Non Critical	1	8	HCM	FHX
890	Mogra	Welding Positioner	Welding	Conventional	Non Critical	1	8	HCM	FHX
891	80 Ton	Welding Rotator Cu Built	Welding	Electronics	Non Critical	1	8	FWM	FHX
892	Edward	vaccum pump	Testing	Conventional	Non Critical	1	7	FTM	FHX
893		Heat Exchanger Testing Equip	Testing	Conventional	Non Critical	1	8	HCM	FHX
894		Hydraulic Water Testing Pump	Testing	Conventional	Non Critical	1	8	HCM	FHX
895	1/A/2578	Soitaab CNC Plasma Cutting m/c	Plasma Cutting	CNC	Critical	1A	13	FPM	FHX
896	1/B/2466	Messer Flame Cutting m/c	Flame Cutting	CNC	Critical	1A	13	FPM	FHX
897	1/A/19	1000 Tons Press m/c	Press	Electronics	Critical	1A	12	FPM	FHX
898	1/A/2332	CNC Flame Cutting Machine	Flame Cutting	CNC	Critical	1A	13	FPM	FHX
899	1/B/2163	CNC Flame Cutting Machine	Flame Cutting	CNC	Critical	1A	13	FPM	FHX
900	1/B/2110	CNC Flame Cutting Machine	Flame Cutting	CNC	Critical	1A	13	FPM	FHX
901	1/B/198	Tejus Flame Cutting Machine	Flame Cutting	CNC	Critical	1A	12	FPM	FHX
902	1/B/2105	CNC Flame Cutting Machine	Flame Cutting	CNC	Critical	1A	13	FPM	FHX
903	1/B/2135	4000 Tons Press m/c	Bending	CNC	Critical	1A	12	FPM	FHX
904	1/B/2128	Davi Rolling Machine	Rolling	Conventional	Critical	1A	12	FPM	FHX
905	1/A/16	Folder M/c	Bending	Electronics	Non Critical	1A	12	FPM	FHX
906	1/A/71	Folder M/c	Bending	Electronics	Non Critical	1A	12	FPM	FHX
907	1/A/2043	HMT Press brake 800 Tons	Press	Electronics	Non Critical	1A	12	FPM	FHX
908	1/A/21	Shell bend 3000 Tons	Bending	Electronics	Non Critical	1A	12	FPM	FHX
909	1/A/2001	Hydrualic press 600 Tons	Press	Electronics	Non Critical	1A	12	FPM	FHX
910	1/A/22	Pin Press 600 Tons	Press	Electronics	Non Critical	1A	12	FPM	FHX
911	1/A/67	Gllotine Shear M/c	Shearing	Conventional	Non Critical	1A	12	FPM	FHX
912	1/A/14	Gllotine Shear M/c	Shearing	Conventional	Non Critical	1A	12	FPM	FHX
913	1/A/04	Rolling M/c	Rolling	Conventional	Non Critical	1A	12	FPM	FHX
914	1/A/03	Rolling M/c	Rolling	Conventional	Non Critical	1A	12	FPM	FHX
915	1/A/50	Pep M/c (Edge Preparation)	Planner	Electronics	Non Critical	1A	12	FPM	FHX
916	1/A/69	Hydrualic press 100 Tons	Press	Conventional	Non Critical	1A	13	FPM	FHX
917	1/A/90	Hydrualic press 50 Tons	Press	Conventional	Non Critical	1A	13	FPM	FHX
918	1/A/2070	Vertical Boring M/c	Vertical Boring	Electronics	Non Critical	1A	13	FPM	FHX
919	1/A/2086	Butler Planner M/c	Planning	Electronics	Non Critical	1A	13	FPM	FHX
920	1/A/2061	Butler Planner M/c	Planning	Electronics	Non Critical	1A	13	FPM	FHX
921	1/A/2247	Cinicannti CNC Milling m/c	Milling	CNC	Non Critical	1A	13	FPM	FHX
922	1/A/2080	Verical Boring M/c	Borring	Electronics	Non Critical	1A	13	FPM	FHX
923	1/A/77	Radial Drilling machine	Drilling M/C	Conventional	Non Critical	1A	13	FPM	FHX
924	1/A/2088	Radial Drilling machine	Drilling M/C	Conventional	Non Critical	1A	13	FPM	FHX
925	1/A/2117	Radial Drilling machine	Drilling M/C	Conventional	Non Critical	1A	13	FPM	FHX
926	1/A/28	Radial Drilling machine	Drilling M/C	Conventional	Non Critical	1A	13	FPM	FHX
927	1/A/49	Saw Machine	Saw M/C	Conventional	Non Critical	1A	12	FPM	FHX
928	1/A/2123	Saw Machine	Saw M/C	Conventional	Non Critical	1A	12	FPM	FHX
929	1/A/2023	Saw Machine	Saw M/C	Conventional	Non Critical	1A	12	FPM	FHX
930	1/A/05	Rolling machine	Rolling M/C	Conventional	Non Critical	1A	13	FPM	FHX
931		100 nosCO2 Welding Machine	Welding	Electronics	Non Critical	1 ,1A & 1B		All BLOCKs	FHX
932		20nos.Manual Welding Machine	Welding	Electronics	Non Critical	1 ,1A & 1B		All BLOCKs	FHX
933		2000 nos Exhaust Fan , ceiling fan & wall Fan	Fan	Conventional	Non Critical	1 ,1A & 1B		All BLOCKs	FHX
934		1000 nos. Grinders	Grinders	Conventional	Non Critical	1 ,1A & 1B		All BLOCKs	FHX
935		1000 no.Column Fan	Fan	Conventional	Non Critical	1 ,1A & 1B		All BLOCKs	FHX
936	6/A/2066	Cnc Cropping Line	Cropping Line	CNC	Critical	3	9	TRM	FRX
937	6/A/2017	Cropping Line (Georeg)	Cropping Line	CNC	Critical	3	9	TRM	FRX
938	6/A/122	Slitting Line	Slitting Line	CNC	Critical	3	10	TRM	FRX
939	6/B/2162	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX

940	6/B/2163	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX
941	6/B/2164	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX
942	6/B/2150	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX
943	6/B/2199	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX
944	6/B/2200	Vertical Wdg M/C	Winding M/C	CNC	Critical	3	5	TRM	FRX
945	6/A/2031	Hydraulic Press(Hmt)	Press(Hmt)	Conventional	Critical	3	6	TRM	FRX
946	6/A/2041	Shield Ring Milling M/C	Millng M/C	Conventional	Critical	3	4	TRM	FRX
947	6/A/52	Guillotine	Guillotine	Conventional	Critical	3	4	TRM	FRX
948	6/A/02	2 C Lathe Machine	Lathe Machine	Conventional	Critical	3	4	TRM	FRX
949	6/A/2020	Surface Grinding Machine	Grinding Machine	Conventional	Critical	3	4	TRM	FRX
950	6/A/70	Open Front Power Press	Power Press	Conventional	Critical	3	4	TRM	FRX
951	6/B/2269	Vertical Wdg M/C	Winding M/C	Conventional	Critical	3	6	TRM	FRX
952	6/B/2270	Vertical Wdg M/C	Winding M/C	Conventional	Critical	3	6	TRM	FRX
953	6/A/11	Centre Lathe	Lathe	Conventional	Critical	3	4	TRM	FRX
954	6/A/2028	Horz Borer	Horz Borer	Conventional	Critical	3	4	TRM	FRX
955	TG-22	Universal Cyl Grdg M/C	Grinding M/C	Conventional	Critical	3	4	TRM	FRX
956	6/B/30	Air Crlng Drying Oven	Oven	Conventional	Critical	3	8	TRM	FRX
957	6/B/32	Air Crlng Drying Oven	Oven	Conventional	Critical	3	8	TRM	FRX
958	6/B/33	Air Crlng Drying Oven	Oven	Conventional	Critical	3	6	TRM	FRX
959	6/B/17	Heavy Duty Wdg M/C	Horizontal Winding	Conventional	Critical	3	5	TRM	FRX
960	6/B/19	Heavy Duty Wdg M/C	Horizontal Winding	Conventional	Critical	3	5	TRM	FRX
961	6/A/47	Circlar Saw	Circlar Saw	Conventional	Critical	3	4	TRM	FRX
962	6/A/2072	Isostatic Pressing System	Pressing System	Conventional	Critical	3	5	TRM	FRX
963	6/B/2272	High Frequency Induction Brazing M/C (Eldec)	Brazing M/C	Conventional	Critical	3	5	TRM	FRX
964	6/B/133	High Frequency Induction Brazing M/C (Eldec)	Brazing M/C	Conventional	Critical	3	5	TRM	FRX
965	6/A/2067	Slitting Line	Slitting Line	CNC	Critical	3	9	TRM	FRX
966	6/A/2031	300 T, Hydraulic Press	Press	Conventional	Critical	3	6	TRM	FRX
967	6/A/2077	Hydraulic Press, 500t	Press,	Conventional	Critical	3	6	TRM	FRX
968	6/A/2079	New Cnc Cropping Line	Cropping Line	CNC	Critical	3	10	TRM	FRX
969	6/B/2148	Cylinder Gumming	Gumming	Conventional	Critical	3	4	TRM	FRX
970	6/A/2034	Scarfig M/C	Scarfig M/C	Conventional	Critical	3	4	TRM	FRX
971	19/D/2997	Pneumatic Assy Plateform	Plateform	Conventional	Critical	3	6	TRM	FRX
972	6/A/2050	Circle Cutting	Circle Cutting	Conventional	Critical	3	4	TRM	FRX
973	6/A/92	Linishing M/C	Linishing M/C	Conventional	Critical	3	4	TRM	FRX
974	6/B/2274	New Hmt Vertical Wnd M/C	Winding M/C	CNC	Critical	3	6	TRM	FRX
975	6/B/2275	New Hmt Vertical Wnd M/C	Winding M/C	CNC	Critical	3	6	TRM	FRX
976	6/A/47	Circular Saw	Circular Saw	CNC	Critical	3	4	TRM	FRX
977	8/B/2058	Ht Capacitor Element Winding M/C	Element Winding M/C	CNC	Critical	3	1	CPM	FRX
978	8/B/2059	Ht Capacitor Element Winding M/C	Element Winding M/C	CNC	Critical	3	1	CPM	FRX
979	8/C/2023	Element Compacting M/C (Tesla)	Compacting M/C (Tesla)	CNC	Critical	3	1	CPM	FRX
980	8/A/2008	Pack Testing M/C	Pack Testing M/C	CNC	Critical	3		CPM	FRX
981	1/B/2365	T.I.G. Weldling M/C (For Box Welding)	Weldling M/C	CNC	Critical	3	1	CPM	FRX
982	8/B/2049	Painting Booth	Painting Booth	Conventional	Critical	3	1	CPM	FRX
983	8/C/2018	D.C. Teasting Set (Ovt)	Testing Set (Ovt)	CNC	Critical	3	1	CPM	FRX
984	8/C/2020	A.C. High Voltage Testing Set For 28 Kv Insutation & Ten Delta Test	Testing Set For 28 Kv	CNC	Critical	3	1	CPM	FRX
985	8/C/2038	Pack Testing M/C	Testing M/C	CNC	Critical	3	1	CPM	FRX
986	8/B/2048	Element Winding M/C	Element Winding M/C	CNC	Critical	3	1	CPM	FRX
987	8/C/2030	Pack Testing M/C	Pack Testing M/C	CNC	Critical	3	1	CPM	FRX
988	8/C/2027	Element Testing M/C	Element Testing M/C	CNC	Critical	3	1	CPM	FRX
989	8/C/2028	Element Testing M/C	Element Testing M/C	CNC	Critical	3	1	CPM	FRX
990	8/C/2029	Element Testing M/C	Element Testing M/C	CNC	Critical	3	1	CPM	FRX
991	27/A/2011	Ss & Sc Lathe	Ss & Sc Lathe	Conventional	Critical	3	2	BCM	FRX
992	27/B/2020	Paper Cylinder Wdg 11/0170	Cylinder Wdg	Conventional	Critical	3	2	BCM	FRX
993	27/B/2021	Horz Mandrel Extr 11/0171	Mandrel Extr	Conventional	Critical	3	2	BCM	FRX
994	27/B/2031	Bushing Wdg M/C 11/058	Bushing Wdg M/C	Conventional	Critical	3	2	BCM	FRX
995	27/B/2037	Bushing Wdg M/C 11/03/2141	Bushing Wdg M/C	Conventional	Critical	3	2	BCM	FRX
996	27/B/2019	Vertical Cylinder Extactor	Cylinder Extactor	Conventional	Critical	3	2	BCM	FRX
997	27/B/2049	Cnc Winding Machine	Cnc Winding Machine	CNC	Critical	3	2	BCM	FRX

998	6/B/2308	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
999	6/B/2309	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
1000	6/B/2310	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
1001	6/B/2311	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
1002	6/B/2312	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
1003	6/B/2313	30 T Vertical Wdg M/C	Winding M/C	CNC	Critical	NTB	Winding	TRM	FRX
1004	6/B/8	Horizontal Wdg M/C 1	Horizontal Wdg	Conventional	Critical	NTB	Winding	TRM	FRX
1005	6/B/2090	Horizontal Wdg M/C 2	Horizontal Wdg	CNC	Critical	NTB	Winding	TRM	FRX
1006	6/A/2078	500 T Hydraulic Press	Press	Conventional	Critical	NTB	Winding	TRM	FRX
1007	6/B/2314	Hf Brazing M/C	Brazing M/C	Conventional	Critical	NTB	Winding	TRM	FRX
1008	6/B/2315	Hf Brazing M/C	Brazing M/C	Conventional	Critical	NTB	Winding	TRM	FRX
1009	6/B/2316	Hf Brazing M/C	Brazing M/C	Conventional	Critical	NTB	Winding	TRM	FRX
1010	6/B/2317	Hf Brazing M/C	Brazing M/C	Conventional	Critical	NTB	Winding	TRM	FRX
1011		Core Taping M/C	Core Taping M/C	Conventional	Critical	NTB	Winding	TRM	FRX
1012	19/D/2998	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3	6	TRM	FRX
1013	19/D/3636	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3	6	TRM	FRX
1014	19/D/3637	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3	6	TRM	FRX
1015	19/D/2997	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3			
1016	6/D/2266	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3			
1017	6/B/2333	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3			
1018	6/D/2359	Pneumatic Assy Platform	Assy Platform	Conventional	Critical	3			
1019	6/B/2302	Assy Platform	Assy Platform	Conventional	Critical	NTB	process	TRM	FRX
1020	6/B/2303	Assy Platform	Assy Platform	Conventional	Critical	NTB	process	TRM	FRX
1021	6/B/2304	Assy Platform	Assy Platform	Conventional	Critical	NTB	process	TRM	FRX
1022	6/B/2305	Assy Platform	Assy Platform	Conventional	Critical	NTB	process	TRM	FRX
1023	6/B/2306	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1024	6/B/2281	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1025	6/B/2282	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1026	6/B/2283	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1027	6/B/2284	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1028	6/B/2285	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1029	6/B/2286	Assy Platform	Assy Platform	Conventional	Critical	NTB		TRM	FRX
1030	PLATFORM-1	Assy Platform	Assy Platform	Conventional	Non Critical	3		TRM	FRX
1031	PLATFORM-2	Assy Platform	Assy Platform	Conventional	Non Critical	3		TRM	FRX
1032	PLATFORM-3	Assy Platform	Assy Platform	Conventional	Non Critical	3		TRM	FRX
1033	PLATFORM-4	Assy Platform	Assy Platform	Conventional	Non Critical	3		TRM	FRX
1034	PLATFORM-5	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1035	PLATFORM-6	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1036	PLATFORM-7	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1037	PLATFORM-8	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1038	PLATFORM-9	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1039	PLATFORM-10	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1040	PLATFORM-11	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1041	PLATFORM-12	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1042	PLATFORM-13	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1043	PLATFORM-14	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1044	PLATFORM-15	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1045	PLATFORM-16	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1046	PLATFORM-17	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1047	PLATFORM-18	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1048	PLATFORM-19	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1049	PLATFORM-20	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1050	PLATFORM-21	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1051	PLATFORM-22	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1052	PLATFORM-23	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1053	PLATFORM-24	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1054	PLATFORM-25	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1055	PLATFORM-26	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX
1056	PLATFORM-27	Assy Platform	Assy Platform	Conventional	Non Critical	NTB		TRM	FRX

[illegible]

Special Terms & Conditions (STC)

1. Worker to work in 1st, 2nd and 3rd Shift / Sunday/holiday as per BHEL requirement.
2. Age of the person should not be more than 65 years. In case of retired persons from public sector/private sector having rich experience, age limit may be relaxed.
3. The persons should be able to work at height of approx. 25 meter for some application and contractor shall provide necessary equipment's for their safety. In case of any accident contractor is responsible for everything.
4. Any safety equipment such as Hand Gloves, helmet & safety belt etc. has to be provided by contractor.
5. For carrying out the maintenance work, minimum tools & tackles shall be provided as per Annexure –VIII.
6. Consumable items like Kerosene, Contact cleaner, Thinner, Cotton waste, LT insulation tapes, HT tapes, Emery paper, welding rods, grinding wheels, hex blades, ladders, IR tester, HV tester etc. shall be provided by BHEL free of cost.
7. Contractor shall arrange **minimum 119 nos. of skilled workers** and **minimum 31 nos. of unskilled workers** having following qualifications
 - Skilled worker: - ITI (Fitter/electrical) with minimum two year of experience in fitter/electrical works, or at least Five Years of work experience in Fitter/electrical works.
 - Un-Skilled worker: - Minimum one year of experience in Fitter/electrical works.
8. **Supervision** of the work will be in scope of contractor; he may supervise the work by himself/depute one Supervisor having following qualifications: -
 - Supervisor: - Minimum diploma in electrical/Mechanical or ITI in Mechanical/electrical trade with minimum 2 years of experience in Mechanical/electrical works or at least Five Years of work experience in Mechanical/Electrical works
9. In case of major breakdown or preventive maintenance activity, the man power may be increased to get the work completed within the time frame.
10. The contractor shall get approval from Engineer-in-charge before work execution. The decision of Engineer-in-charge regarding satisfactory work shall be final and binding on contractor.
11. Operation of machines/shut down of machines during preventive/schedule maintenance shall be done by BHEL only
12. Permit shall be taken by contractor's supervisor/authorized person before start of work from BHEL's concerned supervisor / Engineer-in-charge before starting the work.

13. Considering the fact those maintenance activities on highly precision CNC Machines that involves electrical safety risks & hazards thus BHEL staff may be deployed for guidance and monitoring purpose during the execution of the work on need basis.
14. It must be clearly understood by contractor and duly confirmed that he shall bear full and final risk arising out of working with Large size CNC Machines with 1.1kV/415V/230V system. No claim shall be made by the contractor for damage to his tools or tackles and any injury, whatsoever, which may occur to any of his workmen during the execution of this work
15. BHEL reserve the right to recover the cost of any damage done by contractor to BHEL's property during execution of work as it may deem fit without explanation to contractor.
16. Repeated failure to comply with condition as above may lead to termination of contract at the cost and risk of contractor.
17. Any activity which is not mentioned in scope of work shall also be carried out by the contractor, whenever required, to complete the work in all aspect.
18. In addition to above terms and conditions mentioned in Annexure-I, II, III, IV, V, VI, VII, VIII, IX ,X,XI & XII and other terms and conditions issued from time to time shall also be applicable.
19. Splitting of Work: Entire contract shall be distributed in 50:30:20 ratio
 - a)All vendors except L-1 shall be offered rate quoted by L-1 for splitting of work .If any Vendor does not accept the offer then subsequent vendor shall be counter offer the rate Quoted by L-1 so that distribution shall be done in 50:30:20 ratio.
 - b. Distribution ratio can change if number of responses are fewer than required.
 - c. Also distribution shall be done to (N-1) qualified responses out of total N qualified responses

Price bid format

Subject: - Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

Reference: Tender Enquiry No BHEL/FHX/MAINTENANCE/20232401. . Dated 08.12.2022

Name of the party/ firm/Bidder :
 Address :
 Phone no. :
 Email & Fax No. :
 Name of contact person :
 Bidder offer No & Date :
 Period of completion : 12 MONTHS
 Estimated Cost : Rs 2,60,56,324/-
 Tender Cost : Rs.500/-
 EMD Value : Rs.2,60,600
 Date of opening of Techno-Commercial Bid:

Sl No.	Description of Item	Unit	Quantity	Rate per job (Rs.)	Amount (A) (Rs.)
1.	Monthly Activities for preventive/Breakdown maintenance of the identified 1096 Nos. CNC Electronics & Conventional Machines as per list attached in Annexure XII of BHEL BHOPAL	JOB	12	2171360/-	26056324/-
	Contract Value				26056324/-
2.	GST				Extra
3.	Rate quoted for the above work by the Bidder in percent (below /above /at par) of the rates quoted above. Tick(✓) should be done on any one option (below /above /at par)	Quoted percentage in figures	----- % (below /above /at par)		
4		Quoted percentage in words	----- % (below /above /at par)		
5	(B)Above/ below/ Par Value	(y*A)/100			
6	Grand Total Value(A+B) in Rs.	(A)+/- (B)			
7	Grand Total Value(A+B) in Words.				

Note: -

1. The quoted rate will remain fix for the entire period of contract.
2. Bidder cannot quote below 3.83 % of the estimated Cost (A) as minimum Statuary wages needs to be paid as per Annexure X.
3. Total amount will be firm throughout the contract.
4. In case the bidder does not specify the applicable option among “above/below/at par”, then the %ge quoted will be considered to be “above” estimated rate.
5. GST shall be paid extra on actual basis.
6. Discrepancy in rates
 - a) If, in the price structure quoted for the required works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c). If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
 - (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
7. Rates should be quoted in figures as well as words. In case of contradiction between rates/ percent quoted in figures and words, the same mentioned in words will prevail.
8. Quoted Rate /Value includes PF, ESI, Leave, Uniform, Shoes, tools & Tackles, Bonus & other overheads for the said work except GST.
9. Vendor to ensure deployment of manpower as mentioned in clause C of Annexure I and payment in consideration with clause no. D point no.3 & 4 of Annexure – I of tender document.
10. Pro-rata payment will be made on monthly basis i.e. Monthly payment = (Total final negotiated/agreed value of the tender for 12 months / 12).
11. Reverse Auction (RA) not applicable as price reduction below minimum statutory wages not allowed.

Signature of authorized with name & seal

Date:

Place:

Un-Price bid format

Subject:- Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

Reference: Tender Enquiry No.....

Dated.....

Name of the party/ firm/Bidder :
 Address :
 Phone no. :
 Email & Fax No. :
 Name of contact person :
 Bidder offer No & Date :
 Period of completion : 12 MONTHS
 Estimated Cost : Rs 2,60,56,324/-
 Tender Cost : Rs.500/-
 EMD Value : Rs.2,60,600

Date of opening of Techno-Commercial Bid:

Sl No.	Description of Item	Unit	Quantity	Rate per job (Rs.)	Amount (A) (Rs.)
1.	Monthly Activities for preventive/Breakdown maintenance of the identified 1096 Nos. CNC Electronics & Conventional Machines as per list attached in Annexure XII of BHEL BHOPAL	JOB	12	2171360/-	26056324-
	Contract Value				26056324/-
2.	GST				Extra
3.	Rate quoted for the above work by the Bidder in percent (below /above /at par) of the rates quoted above. Tick(✓) should be done on any one option (below /above /at par)	Quoted percentage in figures	2 ----- % (below /above /at par) ✓		
4		Quoted percentage in words	Two ----- % (below /above /at par) ✓		
5	(B)Below/Above/ Par Value ✓	$(y \times A) / 100 =$ $0.02 \times 26056324 = \text{Rs}$ 5,21,127			
6	Grand Total Value(A+B) in Rs.	(A) - (B)= 2,55,35,197			
7	Grand Total value(A+B) in words:	Two crore fifty five lacs thirty five thousand one hundred ninety seven.			

Un-Price bid format

Subject:- Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

Reference: Tender Enquiry No.....

Dated.....

Name of the party/ firm/Bidder :
 Address :
 Phone no. :
 Email & Fax No. :
 Name of contact person :
 Bidder offer No & Date :
 Period of completion : 12 MONTHS
 Estimated Cost : Rs 2,60,56,324/-
 Tender Cost : Rs.500/-
 EMD Value : Rs.2,60,600

Date of opening of Techno-Commercial Bid:

Sl No.	Description of Item	Unit	Quantity	Rate per job (Rs.)	Amount (A) (Rs.)
1.	Monthly Activities for preventive/Breakdown maintenance of the identified 1096 Nos. CNC Electronics & Conventional Machines as per list attached in Annexure XII of BHEL BHOPAL	JOB	12	2171360/-	26056324-
	Contract Value				26056324/-
2.	GST				Extra
3.	Rate quoted for the above work by the Bidder in percent (below /above /at par) of the rates quoted above. Tick(√) should be done on any one option (below /above /at par)	Quoted percentage in figures	2 ----- % (below /above /at par) √		
4		Quoted percentage in words	Two ----- % (below /above /at par) √		
5	(B) Below/Above/ Par Value √	$(y \times A)/100 =$ $0.02 \times 26056324 = \text{Rs}$ 5,21,127			
6	Grand Total Value(A+B) in Rs.	(A) + (B)= 2,65,77,451			
7	Grand Total value(A+B) in words:	Two crore sixty five lacs seventy seven thousand four hundred fifty.			

Annexure XV

Checklist

Name of work: - Annual Maintenance Contract (Mechanical & Electrical) for Preventive / Scheduled / Breakdown Maintenance of CNC, Electronics and Conventional Machine tools & Plants as per attached list of all the blocks in BHEL BHOPAL.

Following documents needs to be submitted by Contractor during Technical evaluation

Sr. No	Description	Contractor's Comment
A	Technical PQC	
A1	• Contractor shall have the experience of Preventive Maintenance/Breakdown maintenance of Machines tools& Plants or similar nature of machines attached in Annexure-XII (List of Machines) in Government/PSU/State Government Sector. • Experience of having successfully completed similar works* during last 7 years ending 31.03.2022 should be either of the following: - o Three similar completed works each costing not less than Rs. 52,11,265 - o Two similar completed works each costing not less than Rs. 65,14,081 - o One similar completed works each costing not less than Rs. 1,04,22,530 • Similar work means Annual Maintenance Contract (AMC) of CNC /Electronics / conventional machine tools & Plants in a tender.	Copy Enclosed (Yes / No)
A2	Contractor shall submit copy of Work order and Work completion certificate/ performance certificate	Copy Enclosed (Yes / No)
B	Financial PQC	
B1	Average annual financial turnover during last 3 years ending 31st March-2022 should be at least Rs 39,08,449/- for better participation. Audited profit & loss A/c and balance sheet must be submitted as proof of average annual turnover	Copy Enclosed (Yes / No)
(i)	FY 2021-2022	
(ii)	FY 2020-2021	
(iii)	FY 2019-2020	
1	Valid contractor License	Copy Enclosed (Yes / No)
2	EMD	Copy Enclosed (Yes / No)
3	EPF No.	Copy Enclosed (Yes / No)
4	ESI No.	Copy Enclosed (Yes / No)
5	PAN No.	Copy Enclosed (Yes / No)

6	GST No	Copy Enclosed (Yes / No)
7	Scope of work	Copy Enclosed (Yes / No)
8	Special Terms & conditions	Copy Enclosed (Yes / No)
9	MSME and/Or Startup Certificate	Copy Enclosed (Yes / No)
10	Supervisor: - Minimum diploma in electrical or ITI in Fitter/electrical trade or with minimum 2 years of work experience or At least three Years of work experience in Fitter/Electrical works	(Yes / No) (Details of document to be submitted after award of Contract)
11	Skilled worker: ITI (Fitter/Electrical) with minimum two year of experience, or At least three Years of work experience in Fitter/Electrical works	(Yes / No) (Details of document to be submitted after award of Contract)
12	Unskilled worker: Minimum one year of experience in Fitter/Electrical works	(Yes / No) (Details of document to be submitted after award of Contract)
	Following documents needs to be submitted by Contractor after award of Contract	
Sl. No.	Description	Contractor Comments
1	Contractor will submit a non-judicial stamp of Rs. 500/- (in Original) for agreement to be signed between the contractor & M/s. BHEL Bhopal will be effective from Start date of Contract	Yes / No
2	The character and antecedents of persons shall be verified by the contractor before their deployment through local police, collecting proofs of residence, driving license, bank account details, ESI No, recent photograph and a certification to this effect submitted to M/s BHEL Bhopal	Yes / No
3	Contract shall submit qualification of the Supervisor (minimum diploma in Mechanical/Electrical trade with minimum 2 years of experience or at least three Years of work experience in Mechanical/Electrical works.	Yes / No
4	Contract shall submit qualification of Skilled worker: ITI (Fitter/Electrical) with minimum two year of experience in fitter/electrical works, or at least three Years of work experience in Fitter/electrical works	Yes / No
5	Contract shall submit qualification of Un-Skilled worker (Minimum one year of experience in fitter/electrical works)	Yes / No
6	Bank details of party for payment are to be submitted in BHEL's specified format (Annexure-IX) and terms and conditions	Yes / No
7	SD/ePBG @ 3% of contract value	Yes / No