

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	--

NIT: MATERIAL DETAILS AND INSTRUCTION TO BIDDERS

1 SCOPE OF ENQUIRY

Sealed Bids are invited from the bidders for the supply of the following items as per requirement mentioned below:

Sl. No.	Material Code & Item Description	Qty.	Project	Delivery Date
1	D55995241389 Group-1 Lab Items Maitree Project (59 Nos. of Items as per Specification <u>ANNEXURE-A</u>)	1 Set	660 MW Maitree STPP site	31/12/2019

Note:

- 1) Evaluation will be done on Total Landed Cost of material code (i.e. Package considering all the sub-items together) upto Maitree project (Bangladesh) site. However, price of individual items mentioned in BHEL specification is required to be quoted separately.
- 2) Vendors are required to quote for all the items mentioned in our enquiry i.e. BHEL specification Annexure-A else their offer will be liable for rejection.

2 PROJECT INFORMATION

Project Name	2 x 660 MW Maitree (Bangladesh) project
Name of End Customer	Bangladesh-India Friendship Power Company (Pvt.) Limited (BIFPCL)
Consignee Address	Site In charge, 2x660 MW Maitree Super Thermal Power Project, PO-Kalekkharber, Union-Rajnagar, Upajila-Rampal, Dist: Bagerhat -9343, Bangladesh Contact No.: +8801678582823
Custom Duty Status	CD Free

3 EARNEST MONEY DEPOSITE (EMD)

- 3.1 Interested vendors must submit their offer along with the following Earnest Money Deposit (EMD) in a separate sealed envelope:

Details	Amount In INR	Amount in Foreign Currency	Type
EMD	INR 1,50,000/- (INR One Lac Fifty Thousand only)	Equivalent Foreign currency	Refundable

- 3.2 EMD should be submitted in the form of demand draft/Pay Order/Cash (as permissible under Income Tax Act). The Drafts shall be drawn in favor of "BHEL Hardwar". In case of foreign bidders, E- payment is also acceptable. For E-Payment, the RTGS details are as mentioned below:

Bank Details	SWIFT Details of bank	Contact Details of Banker
STATE BANK OF INDIA RANIPUR BRANCH, OPP: BHEL MAIN GATE, SECTOR-5, RANIPUR, HARIDWAR, UTTRAKHAND, INDIA PIN CODE : 249403	SWIFT NO : SBININBB225 CC ACCOUNT NO : 10667995458 IFSC CODE : SBIN0000586	Name: Sh. Sudhir Sharma Design: Chief Manager (IBD) Contact No. +91 1334 224201 +91 1334 226125 Fax: +91 1334 226512

- 3.3 Bidders already registered at BHEL-HEEP Hardwar (i.e. PMD Vendors) for this item/items are exempted from submission of the EMD.
- 3.4 MSE Suppliers/Central / State – PSUs / Government departments are exempted from submission of the EMD.

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	---

- 3.5 **Benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc. for the items offered but not manufactured by themselves.**
- 3.6 Bids not accompanied with requisite EMD or bids accompanied with EMD of inadequate value shall not be considered for further evaluation. An opportunity may be given to the bidder for submitting the requisite EMD and the offers would be evaluated only in case, the requisite EMD is received within a time bound period.
- 3.7 The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be refunded after the finalization of the contract. EMD shall be forfeited in the event of bidder opting out after tender opening (PART-I).

4 PRE-QUALIFICATION REQUIREMENT (PQR)

The Pre-Qualification Requirements have been compiled and placed at **ANNEXURE-I**. All the bidders should ensure submission of complete details and documents as called for in the same. The offers submitted by the bidders would be scrutinized with respect to Pre-Qualification Requirements first. Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements.

5 SUBMISSION OF OFFER

- 5.1 Only English version of all documents would be valid & binding.
- 5.2 Bidders are advised to study all the tender documents carefully. Any submission of tender by the bidder shall be deemed to have been done after careful study and examination of the tender documents and with full understanding of the implications thereof. The specifications and terms & conditions shall be deemed to have been accepted unless otherwise specifically commented upon in 'Deviation' sheets by the bidder in his offer. Non-compliance with any of the requirements and instructions in the Tender Enquiry may result in rejection of the offer.
- 5.3 Name of vendor's dealing person with Contact No(s), Email ID and Address of correspondence shall be provided in the bid.
- 5.4 Tenders are to be submitted in Two Parts and Part-I (Techno-Commercial Bid, as detailed below) will be opened first. The offers are to be submitted on or before the Due Date and time, as detailed below:

[A] PART-I: PRE-QUALIFICATION REQUIREMENT (PQR) & TECHNO-COMMERCIAL BID

Comprising of following documents:

- Earnest Money Deposit (EMD)/details of EMD in case of E-Payment.
- Bidders are required to furnish requisite details and supporting documents as specified in **Pre-Qualification Requirements (PQR)** for meeting the same. The Pre-Qualification requirements is as per enclosed **ANNEXURE-I**.
- Complete Technical offer with relevant documents etc. (as per specification attached as **ANNEXURE-II**).
- "NIT: MATERIAL DETAILS AND INSTRUCTION TO BIDDERS", "SPECIAL TERMS & CONDITIONS OF ENQUIRY" and "GISTC (General Instructions and Standard Terms & Conditions against Tender Enquiry)" are an integral part of this enquiry and endorsed copies of these documents (duly signed and stamped on each page, as a token of acceptance) are to be necessarily submitted along with the offer. Deviations if any are to be listed out separately.
- Commercial Terms & Conditions.
- Any Deviation with reference to technical requirements/specification to be laid down on separate sheet. Acceptance of such technical deviations would be at the discretion of BHEL.
- Un-Priced replica of Price Bid.

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	---

- h. *Documents for taking up Customer approval (as per clause 7.2 of this document).*
- i. **Supplier Registration Form (SRF):** Online Registration Portal is operational in BHEL. Bidders not registered at BHEL, Hardwar for this item, have to apply through Online Registration portal, <https://supplier.bhel.in/>. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and the application submitted for registration. One set of hard copy of the filled up Supplier Registration Form (SRF) downloaded from Online Registration Portal duly signed and stamped has to be submitted along with the offer.

[B] PART-II: PRICE-BID

Containing Prices is to be submitted in original, strictly as per enquiry conditions for complete scope of tender enquiry.

- 5.5 Following shall be super scribed on the envelopes which shall be addressed by name and designation to the official inviting tender:

PART-I (refer clause 4.4 [A]):

1. TENDER ENQUIRY NO. AND ITEM DESCRIPTION
2. DUE DATE FOR OPENING
3. "TECHNO-COMMERCIAL BID WITH PQR".

PART-II (refer clause 4.4 [B]):

1. TENDER ENQUIRY NO AND ITEM DESCRIPTION
2. DUE DATE FOR OPENING
3. "PRICE BID".

- 5.6 Parts – I & II shall be submitted in separate sealed covers duly super scribed as indicated above and shall be enclosed further in a main cover duly sealed and super scribed as:

"OFFER FOR (ITEM NAME) AGAINST ENQUIRY NO. DUE ON CONTAINING PART-I & PART-II Bids". Vendor's full name and address should be clearly mentioned on the envelope.

- 5.7 Envelope not marked with tender enquiry number is liable to be ignored and may not be opened.
- 5.8 Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER/Dropped in the Tender Box, addressed as follows:

To,

**THE HEAD OF MATERIAL MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

- 5.9 Tender opening is scheduled to start in the Tender Room at 2:00 PM (IST), on the due date. Therefore, bid/quotations must reach this office / tender Box latest by 1:45 PM (IST) on due date. Only participating bidders are allowed to attend tender opening. TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.
- 5.10 The bid/quotation must be posted before due date, keeping allowance for postal transit time. Alternatively, the tenders duly sealed and super-scribed as above may be deposited in the Tender Box. Quotations sent by any mode but not received in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	---

responsibility of the bidder, sent through any mode. Documents submitted with the offer/bid shall be signed and stamped in each page by authorized representative of the bidder.

- 5.11 **PART-I (Techno-Commercial bid with PQR)** will be opened on Due Date and time specified in the Enquiry, or extension thereof, in presence of tenderers who may like to attend. Incomplete offers are liable to be rejected.
- 5.12 **Techno-Commercial offer of only those bidders shall be evaluated who meet the Pre-Qualification Requirements mentioned in our Enquiry and who have submitted the EMD as stipulated in clause 3 above.** The Pre-Qualification requirements have been compiled in enclosed **ANNEXURE-I**.
- 5.13 *After opening of the techno-commercial offer, the offers would be evaluated by BHEL and acceptance shall be subject to End Customer approval. Price Bid shall be opened only of the Customer approved vendors.*
- 5.14 All correspondence thereof, shall be addressed to the following persons:

Mr. Gurdeep Singh Designation: Dy. Engineer (PCRI-BOI) Pollution Control Research Institute HEEP, BHEL, Haridwar- 249403 Uttarakhand, India Email ID: singhg@bhel.in Tel: +91 1334 28 1941	Mr. Yashpal Singh Designation: Dy. Manager (PCRI-BOI) Pollution Control Research Institute HEEP, BHEL, Haridwar- 249403 Uttarakhand, India Email ID: yash63@bhel.in Tel: +91 1334 28 1941
---	--

- 5.15 Bidders shall be allowed in the tender room in area identified for bidders and only one authorized representative from each bidder shall be allowed.
- 5.16 Bidder shall not be allowed to carry camera/laptop in the tender room. The use of Mobile Phone is also restricted in the Tender Room.
- 5.17 Details of offers shall be read out to bidders and in no case the offers shall be handed over to any of the bidders for noting down.
- 5.18 As per directives of CENTRAL VIGILANCE COMMISSION, GOVERNMENT OF INDIA, one agent cannot represent two or more suppliers or quote on their behalf in a particular tender. If so found at any stage, BHEL Hardwar is likely to cancel Enquiries / POs to such suppliers. Further, such Indian Agent is likely to be de-listed (Black listed for business from BHEL).
- 5.19 Vendors operating from BHEL quarters, unauthorized colonies on BHEL Land and Dharamshalas/ Hotels shall not be considered, hence such vendors need not apply.

6 RIGHT OF ACCEPTANCE

- 6.1 BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR reserves the right to reject any or all the bids/quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.
- 6.2 Any discount/ revised offer submitted by a bidder on its own shall be accepted provided it is received on or before the due date and time of offer/bid submission (Part-I). Conditional discounts shall not be considered for evaluation of tenders.
- 6.3 Unsolicited discounts/revised offers given after enquiry opening (i.e. Part-I bid opening) shall not be accepted.
- 6.4 In case there is no change in the technical scope and/or specifications and/or commercial terms & conditions, the bidder/s shall not be allowed to change his/their price bid after the due date (i.e. Part-I bid opening).

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	---

- 6.5 In case of changes in scope and/or technical specification and/or commercial terms & conditions, having price implications, techno-commercially acceptable bidders shall be asked by BHEL (after freezing the scope, technical specifications and commercial terms & conditions) to submit the impact of such changes on their price bid. A cut-off date and time shall be given to all the techno-commercially acceptable bidders to submit the impact on their price bids.
- 6.6 In the event of any bidder, after finalizing the technical specification & scope of supply, opting to revise and submit their latest price bid instead of submitting impact on their price bid asked by BHEL, then their latest price bid shall prevail. However in such condition their original price bid will necessarily be opened.
- 6.7 After technical & commercial examination of the offers received and clarifications obtained (if required), Part-II (Revised Price Bid/ Original Price Bid along with Price Impact and Discount, if any) shall be opened, for which the date and time shall be intimated to technically and commercially acceptable bidders in case of public opening. BHEL may opt to finalise the prices through Reverse Auction amongst technically and commercially acceptable bidders. BHEL reserves the right to open the earlier price bids, if any, submitted by the bidder(s), if required.
- 6.8 No correspondence shall be entertained from the tenderers after opening of Part-II (Price bid), except clarifications (if any) asked by BHEL in writing.

7 CUSTOMER APPROVAL

- 7.1 Final acceptance of the offers shall be subject to vendor approval by End Customer (**BIFPCL Bangladesh**). BHEL will open the Price Bids of only those vendors who are finally approved by the end customer.
- 7.2 Following documents should be submitted along with your offer for taking up approval with the end Customer (after qualification of PQR and acceptance by BHEL):
 1. Make of the equipment offered
 2. Brief about the Vendor/Company/Organization
 3. Financial data for last three years (Balance Sheet etc.)
 4. List of Order/Name of Customer where similar item is supplied in last three years alongwith performance/Installation certificate.

8 PUBLIC PROCUREMENT / MAKE IN INDIA (GOVT-NOTIFICATION)

For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable.

Default purchase preference under Make in India order shall be 20% to suppliers with default minimum local content of 50% for all items / works / services. For further details, please refer our GISTC.

Procurements where the Estimated value to be procured is less than Rs. 5 lakhs shall be exempted from Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018.

9 REVERSE AUCTION

BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non- consideration of their bids, in case BHEL decides to go for RA.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their unconditional acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "Online sealed bid" in

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	ENQUIRY NO. R/5599/2019/0215V/1 DATE OF ISSUE OF ENQUIRY: 04/05/2019 ENQUIRY DUE DATE: 25/05/2019 (BY 1345 HRS IST)
--	---	---

the Reverse Auction. Non-submission of "Online Sealed Bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Detailed terms and conditions for RA are enclosed (refer **Annexure-III**)

10 DEALING WITH BANNED SUPPLIERS/ CONTRACTORS IN BHEL

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

11 PRE-BID MEETING:

Pre-Bid clarifications & deviations (if any) should be sought within 10 days of issue of the enquiry. Bidders to compile all clarifications, if any, preferably in single communication. The clarifications would be provided within 3 days of receipt of queries. Bidders may also have across the table discussions for seeking pre-bid clarifications (if required).

12 IMPORTANT NOTE

NIT: MATERIAL DETAILS AND INSTRUCTION TO BIDDERS are to be read along with SPECIAL TERMS & CONDITIONS OF ENQUIRY (for both Foreign & Indian Bidders) and GISTC (for both Foreign & Indian Bidders). A signed & stamped copy of these documents as a token of acceptance is to be submitted along with the offer. In the event of contradiction of terms and conditions mentioned, the order of preference shall be NIT: MATERIAL DETAILS AND INSTRUCTION TO BIDDERS followed by SPECIAL TERMS & CONDITIONS OF ENQUIRY followed by GISTC (General Instructions and Standard Terms & Conditions against Tender Enquiry).

Kindly ensure the timely submission of your offer (by 1345 Hrs IST on the due date) and note that Late Offers shall not be entertained under any circumstances.

13 LIST OF ENCLOSURES:

- i. NIT: Material Details and Instruction to Bidders - No. of Pages: 06
- ii. Pre-Qualification Requirement (**Annexure-I**) - No. of Pages: 01
- iii. Technical Specification with all annexures (**Annexure-II**) - No. of Pages: 19
- iv. Terms & Conditions of Reverse Auction (**Annexure-III**) - No. of Pages: 01
- v. Special Terms & Conditions for Two Part Tender for Foreign Bidders (**Annexure-IV**) - No. of Pages: 04
- vi. Special Terms & Conditions for Two Part Tender for Indian Bidders (**Annexure-V**) - No. of Pages: 04
- vii. Packing Instructions for Seaworthy Packing: TGE-3646 Rev. 01 (**Annexure-VI**) - No. of Pages: 06
- viii. Shipping Instructions for Maitree Project (**Annexure-VII**) - No. of Pages: 03
- ix. GISTC (For Foreign Bidders) - No. of Pages: 12
- x. GISTC (for Indigenous Bidders) - No. of Pages: 12
- xi. PBG format and List of BHEL consortium Bank - No. of Pages: 03
- xii. Self-Declaration certificate for Make in India - No. of Pages: 01

For and on behalf of BHEL, Hardwar

Dy. Manager (PCRI-BOI)

POLLUTION CONTROL RESEARCH INSTITUTE
HEEP, BHEL, RANIPUR

Date: 30/04/2019

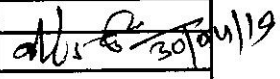
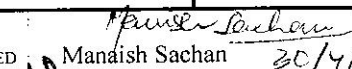
Pre-Qualification Requirements (PQR) in case of O.T.

1. The vendor should have a Turnover (T.O.) of minimum Rs. 30.0 Lacs/year (Rs. Thirty Lacs per year) in last 03 (Three) years from the date of bid opening. Self attested copies of supporting document for the same should be submitted.
2. The vendor should have supplied at least any 10 items similar to our enquiry in last 03 years. The self attested copies of Purchase Orders, placed on them by customers, should be attached.
3. The vendors are required to quote for all the items mentioned in our enquiry else their offer will be liable for rejection. However, if any item/items is not available in the market and can not be offered by any vendor then the evaluation would be carried out without considering for those item/items. . All the items in the enquiry are proposed to be procured from one vendor, hence evaluation be carried out accordingly.
4. If there is no technically/commercially suitable offer for an item/items, the evaluation will be done on without considering that item/items.
5. BHEL reserves the right to place the Purchase Order for any no. of items specified in the enquiry on a vendor. The Purchase Order would be placed on the basis of techno-commercial suitability and lowest prices among the qualified bid.


(Virendra Kumar)
Dy. Engineer (PCRI)


(R S Yadav)
Dy. Manager (PCRI)


(Manish Sachan)
DGM (PCRI)

दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश		PR00562	
		PRODUCT PURCHASE SPECIFICATION		पृष्ठ	1 का 1
सुपेर्सेड्स INVENTORY NO.	सामग्री सूची संख्या को	1.0 NAME OF THE PROJECT : 2 X 660 MW MAITREE THERMAL POWER PROJECT			
		2.0 LIST OF ITEMS : AS PER ANNEXURE – A (Total Nos. of Items = 59)			
		3.0 SPECIFICATION OF EQUIPMENTS : AS PER ANNEXURE – A (Annexure 1 to Annexure 59)			
		4.0 QUALITY ASSURANCE : Calibration and Test certificate should be supplied along with all the equipments.			
		5.0 Detailed printed catalogue of all the equipments must be provided along with the offer submitted.			
		6.0 DATA SHEET of all the equipments must be provided along with the offer submitted.			
		7.0 <u>General Terms & Conditions</u>			
		7.1 Document : O&M Manual in English language giving complete technical information for operation and maintenance of the equipments shall be supplied.			
		7.2 Installation and Commissioning : The supplier shall install & commission the equipments at site. Supplier should demonstrate the performance of the equipments and all its accessories to ensure compliance with complete specifications & parameters quoted by them to the satisfaction of BHEL/end user.			
		Failing to comply to the installation & Commissioning clause, the offer will be rejected straightaway.			
		7.3 Guarantee/ Warranty: The equipments shall be guaranteed / warranted for satisfactory performance for a period of 36 months from the date of dispatch or 24 months from the date of commissioning, whichever is earlier.			
		Failing to comply to the Guarantee / Warranty clause, the offer will be rejected straightaway.			
		7.4 Packing & Dispatch : The equipment / accessories shall be packed in a suitable water proof/vibration proof packing box capable of bearing air and road transit hazards.			
		7.5 Packing box shall be properly identified and marked with BHEL's (India) Purchase Order Number . Also, "PCRI HWR" should be written in bold letters on all four sides of the packing box.			
हस्ताक्षर एवं दिनांक SIGN & DATE	समग्री सूची संख्या INVENTORY NO.	नाम NAME		दिनांक एवं हस्ताक्षर SIGNATURE & DATE	
		अनुवादक PREPARED BY	Virendra Kumar		
		जांचकर्ता CHECKED BY	R S Yadav		
		सहमत विभाग AGREED DEPTT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	पर्यवेक्षणकर्ता SUPERVISED BY
				स्वीकृति APPROVED	
		REV.NO.	00	निर्माण PREPARED: Virendra Kumar	जारी ISSUED: R S Yadav
		DI.	30.04.2019	दिनांक DATE: 30.04.2019	

बहुरूपीयता: 137 8230455333.13

The information on this document is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company.

स्वतंत्राधिकार एवं गोपनीय

इस दस्तावेज में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इसका प्रयोग एवं आवाक कर से किसी भी तरह प्रयोग जो कि कंपनी के हित में हानिकारक हो न किया जाए।

LAB EQUIPMENT MAITREE GROUP-1		Annexure A	
CHEMICAL LAB EQUIPMENT FOR 2X660 MW MAITREE THERMAL POWER PROJECT			
INDENT NO. 20190215			
Lab Equipments Maitree Group - 1 :[Material Code - D55995241389]			
(A) CHEMICAL LAB EQUIPMENTS			
S.No.	Item Description	Qty.	Specification as per Annexure
1	Microprocessor pH Meter	01 (One) No.	Annexure 1
2	pH Meter (Portable)	01 (One) No.	Annexure 2
3	Microprocessor Conductivity Meter	01 (One) No.	Annexure 3
4	Microprocessor Conductivity & Salinity Meter	01 (One) No.	Annexure 4
5	Dissolved Oxygen Meter	01 (One) No.	Annexure 5
6	Turbidity Meter	01 (One) No.	Annexure 6
7	Pocket Colorimeter	01 (One) No.	Annexure 7
8	Analytical Balance	01 (One) No.	Annexure 8
9	Precision Balance	01 (One) No.	Annexure 9
10	Toploader Balance	01 (One) No.	Annexure 10
11	Gas Monitor (Portable) - Methane	01 (One) No.	Annexure 11
12	Gas Monitor (Portable) - Hydrogen	01 (One) No.	Annexure 12
13	Gas Monitor (Portable) Hydrogen sulfide	01 (One) No.	Annexure 13
14	Explosivity Meter	01 (One) No.	Annexure 14
15	Universal Heating & Drying Oven	01 (One) No.	Annexure 15
16	Multiple Water Bath	01 (One) No.	Annexure 16
17	Open Bath Circulator	01 (One) No.	Annexure 17
18	Density / Specific Gravity Meter	01 (One) No.	Annexure 18
19	Lovibond Comparator	01 (One) No.	Annexure 19
20	Rotary Slide Vane Pump	01 (One) No.	Annexure 20
21	Automatic Scale	01 (One) No.	Annexure 21
22	Hot Plate (120 mm dia)	01 (One) No.	Annexure 22
23	Hot Plate (400 X 200 mm)	01 (One) No.	Annexure 23
24	Powertrol Universal Heater.	01 (One) No.	Annexure 24
25	Magnetic Stirrer with Heating Plate	01 (One) No.	Annexure 25
26	ASTM Hydrometer 0.6 - 1.200 (Set)	01 (One) No.	Annexure 26
27	ASTM Hydrometer 0.6- 2.0 (Set)	01 (One) No.	Annexure 27
28	Portable Oxygen Meter	01 (One) No.	Annexure 28
29	Stainless Steel Vacuum Filter	01 (One) No.	Annexure 29
30	Thermometer (Set) general Purpose	01 (One) No.	Annexure 30

dw
30/04/2019

Radav
30/04/19

Yanise
30/4/19

31	UV-VIS Spectrophotometer	01 (One) No.	Annexure 31
32	Oil Content Analyzer	01 (One) No.	Annexure 32
33	Potentiometric Titration Apparatus	01 (One) No.	Annexure 33
34	Refrigerator	01 (One) No.	Annexure 34
35	Sieve shaker with Sieves	01 (One) No.	Annexure 35
36	Transfer pipette set	01 (One) No.	Annexure 36
37	Auto Burette set	01 (One) No.	Annexure 37
38	Ice cube maker	01 (One) No.	Annexure 38
39	Desiccators different sizes	01 (One) No.	Annexure 39
40	Furnace to the range 1100 °C	01 (One) No.	Annexure 40
41	Ultrasonic Cleaning Bath	01 (One) No.	Annexure 41
42	Trolley Cart	01 (One) No.	Annexure 42
43	pH Meter	01 (One) No.	Annexure 43
44	Microprocessor Ion Meter	01 (One) No.	Annexure 44
45	Precision Incubator	01 (One) No.	Annexure 45
46	Cooled Incubator	01 (One) No.	Annexure 46
47	Hot Air Sterilizer	01 (One) No.	Annexure 47
48	Automatic Laboratory Steam Sterilizer	01 (One) No.	Annexure 48
49	Colony Counter	01 (One) No.	Annexure 49
50	Water Bath	01 (One) No.	Annexure 50
51	Laboratory Centrifuge	01 (One) No.	Annexure 51
52	Binocular Microscope	01 (One) No.	Annexure 52
53	Filtration Unit	01 (One) No.	Annexure 53
54	BOD Incubator	01 (One) No.	Annexure 54
55	Sound Level Meter	01 (One) No.	Annexure 55
56	Flue Gas Analyzer	01 (One) No.	Annexure 56
57	Chemicals	01 (One) Set	Annexure 57
58	Glasswares	01 (One) Set	Annexure 58
59	Safety Equipments	01 (One) Set	Annexure 59

Alb
30/04/2019

Byadar
30/04/19

Yanise
30/4/19

Items Specification :

S.No.		Annexure 1
1	Microprocessor pH Meter : Bench top pH meter with electrode stand, pH electrode, buffer 4,7,10. guide to pH measurement, operating manual. Measurement Range of pH Meter : 0-14.	
		Annexure 2
2	pH Meter (Portable) : Portable pH meter with Range pH: 0 to 14. pH electrode with built-in NTC temp probe-single combination electrode within built temperature probe.	
3	Microprocessor Conductivity Meter : Microprocessor based bench top conductivity Meter is used for determination of conductivity, and temperature. Measuring range: 0 to 1000 ms/cm with minimum low level measurement of 0.001 μ s/cm.	
		Annexure 4
4	Microprocessor based Conductivity & Salinity Meter : Equipment used for determination of Salinity through conductivity measurement. For this purpose conductivity meter would be supplied. (i) Conductivity Measurement range : 0.01 μ s/cm to 200 ms/cm (ii) Resolution : 0.01 μ s/cm (iii) Accuracy : +/- 0.5%	
		Annexure 5
5	Dissolved Oxygen analyzer : System shall be used for analysis of Dissolved Oxygen in ppb levels for Boiler/DM/ Condensate water. Measuring range: 1 ppb to 20 ppm.	
		Annexure 6
6	Turbidity Meter : Turbidity meter shall be a microprocessor based instrument for measuring turbidity. Instrument shall have Auto Ranging from 0 to 1000 NTU. Instrument shall senses turbidity level of sample and automatically adjusts to the appropriate measurement. Instrument shall have a facility for Auto Alert Calibration Prompt: Automatically prompts the operator when calibration of the instrument is needed. It shall have Simple Calibration Procedures: Calibration initiated with the push of a button ensures accurate readings. Turbidity meter shall have infrared lamp source for colored samples measurement. Instrument shall meet international standard ISO 7027 for turbidity measurement. Turbidity meter shall have resolution of 0.01 NTU at low turbidity readings and an extended range to 1,000 NTU.	
		Annexure 7
7	Pocket Colorimeter : Pocket Colorimeter for chlorine analysis in water samples. (i) Display : LCD Display (ii) Lamp : Light emitting diode (LED); (iii) Chlorine measurement Range : 0.1 mg/L- 2 mg/L	
		Annexure 8
8	Analytical Balance : Analytical Balance with metal housing to protect weighing cell and electronics, compact design, brilliant backlit display. The balances shall have automatic calibration with internal weight and it shall be possible to calibrate with external weights also. (i) Weighing range : 220 gms (ii) Readability : 0.0001 g (iii) Linearity : 0.0002 g	
		Annexure 9
9	Precision Balance : Precision Balance with display (i) Weighing range : 210 gms (ii) Readability : 1 mg	
		Annexure 10
10	Toploader Balance (i) Capacity : 2000 gm (ii) Accuracy : 0.1 gm (iii) Type of display : Digital display	
		Annexure 11

adw
30/04/2019

Agadav
30/04/19
Page 3 of 10

Hania
30/4/19

11	Gas Monitor (Portable) – Methane (i) Application : Leak check for Methane gas. (ii) Gas Monitor/Leak Detector suitable for work place air sampling applications. (iii) Parameters to be measured : Methane, (iii) Range : Methane Sensor (Range: 1- 100% Vol.,) (iv) Readout : LCD Digital display. (v) Sampling Method : Suction.	Annexure 12
12	Gas Monitor (Portable) – Hydrogen (i) Function : Monitoring/Leak check Hydrogen gas suitable for work place air sampling applications. (ii) Range : 0 - 100 % purity (iii) Sensor : Thermal Conductivity Detector (iv) Readout : LCD Digital display. (v) Sampling Method : suction (vi) Alarms : Audio-Visual alarm for LO, Hi ranges & Battery low (vii) Response Time : Less than 10 seconds.	Annexure 13
13	Gas Monitor (Portable) – Hydrogen Sulfide (i) Application : Leak check for Hydrogen Sulfide. Gas Monitor/Leak Detector suitable for work place air sampling applications. (ii) Parameters to be measured : Hydrogen Sulfide (iii) Range : Hydrogen Sulfide Sensor (Range: 0- 100 ppm) (iv) Readout : LCD Digital display. (v) Sampling Method : suction	Annexure 14
14	Explosivity Meter : An explosimeter is a device which is used to measure the amount of combustible gases present in a sample. When a percentage of the lower explosive limit (LEL) of an atmosphere is exceeded, an alarm signal on the instrument is activated. The device, also called a combustible gas detector, operates on the principle of resistance proportional to heat—a wire is heated, and a sample of the gas is introduced to the hot wire. Combustible gases burn in the presence of the hot wire, thus increasing the resistance and disturbing a Wheatstone bridge, which gives the reading.	Annexure 15
15	Universal Heating & Drying Oven : Electrically operated outer chamber made of mild steel & inner chamber made of mild steel/stainless steel/aluminum for drying. Oven shall be equipped with digital display of temperature and electronic controller. Temp. Range: 5 °C above ambient to 250 °C Max. temp.	Annexure 16
16	Multiple Water Bath : (i) Temperature Range : From ambient temperature to 100 °C. (ii) Water bath have arrangement for fixing mercury thermometer, constant water level device and overflow arrangement. (iii) Double walled inside stainless steel and outside mild steel. (iv) Water heated by a copper clad immersion heater controlled with 3 position heater switch. (v) Work on 230 Volts AC $\pm$ 10%, 50 Hz $\pm$ 3%, single phase supply. (vi) The water bath have Electrically Heated concentric rings of flanged formed stainless steel with 8 holes with support frame. (vii) Capacity 7.5 litres (approx.)	Annexure 17
17	Open Bath Circulator : (i) Open Bath Circulators are available in stainless steel or transparent bath tanks. Units feature a bright white easy-to-read LED display and quiet operation. (ii) Capacity : 5.5 liters (Approx) (iii) Cover : Impact resistant, see-through polymer cover (iv) Temperature range : Ambient to 99.9 °C (v) Power requirements : 100-240 VAC.	Annexure 18

ABG
30/04/2019

Byadav
30/04/19

Yasini
30/4/19

18	Density / Specific Gravity Meter : (i) Application : To determine density / specific gravity of liquid samples in Chemical lab for Thermal Power Stations. (ii) Range : 1.1 to 1.2 Specific Gravity.	Annexure 19																																																
19	Lovibond Comparator: Comparator is used for determination of range of water quality parameters with the comparison of standard colors generated by addition of indicators chemicals. For this purpose, colour comparator would be supplied as per following technical specifications. <table><tr><th>S.No.</th><th>Test</th><th>Range Covered</th><th>Quantity</th></tr><tr><td>(i)</td><td>Ammonia</td><td>0.0 ppm to 10.0 ppm</td><td>One No.</td></tr><tr><td>(ii)</td><td>Chlorine residual</td><td>0.1 ppm to 1 ppm</td><td>One No.</td></tr><tr><td>(iii)</td><td>Hydrazine</td><td>0 to 1 ppm</td><td>One No.</td></tr><tr><td>(iv)</td><td>Oxygen</td><td>0 to 0.12 ml/liter</td><td>One No.</td></tr><tr><td>(v)</td><td>Silica</td><td>1 to 20 mg/l SiO₂</td><td>One No.</td></tr><tr><td>(vi)</td><td>pH</td><td>2.8 to 4.4</td><td>One No.</td></tr><tr><td></td><td></td><td>4.4 to 6.0</td><td>One No.</td></tr><tr><td></td><td></td><td>6.0 to 7.6</td><td>One No.</td></tr><tr><td></td><td></td><td>7.2 to 8.8</td><td>One No.</td></tr><tr><td></td><td></td><td>8.0 to 9.6</td><td>One No.</td></tr><tr><td>(vii)</td><td>Phosphate</td><td>0 - 40.0 mg/l PO₄</td><td>One No.</td></tr></table>	S.No.	Test	Range Covered	Quantity	(i)	Ammonia	0.0 ppm to 10.0 ppm	One No.	(ii)	Chlorine residual	0.1 ppm to 1 ppm	One No.	(iii)	Hydrazine	0 to 1 ppm	One No.	(iv)	Oxygen	0 to 0.12 ml/liter	One No.	(v)	Silica	1 to 20 mg/l SiO ₂	One No.	(vi)	pH	2.8 to 4.4	One No.			4.4 to 6.0	One No.			6.0 to 7.6	One No.			7.2 to 8.8	One No.			8.0 to 9.6	One No.	(vii)	Phosphate	0 - 40.0 mg/l PO ₄	One No.	Annexure 20
S.No.	Test	Range Covered	Quantity																																															
(i)	Ammonia	0.0 ppm to 10.0 ppm	One No.																																															
(ii)	Chlorine residual	0.1 ppm to 1 ppm	One No.																																															
(iii)	Hydrazine	0 to 1 ppm	One No.																																															
(iv)	Oxygen	0 to 0.12 ml/liter	One No.																																															
(v)	Silica	1 to 20 mg/l SiO ₂	One No.																																															
(vi)	pH	2.8 to 4.4	One No.																																															
		4.4 to 6.0	One No.																																															
		6.0 to 7.6	One No.																																															
		7.2 to 8.8	One No.																																															
		8.0 to 9.6	One No.																																															
(vii)	Phosphate	0 - 40.0 mg/l PO ₄	One No.																																															
20	Rotary Slide Vane Pump i) Application : For vacuum filtration in lab scale samples. ii) Working Principle : Rotary Sliding vane pumps operate via the positive displacement principle. Positive displacement pumps essentially move the fluid trapping a fixed volume and forcing that trapped fluid into the discharge pipe. iii) AC powered rotary slide vane pump for Lab use operating on 230V / 50 Hz. iv) Sealing : Oil Sealed vane pump. v) Stages : Single stage vi) Cooling : Air cooling	Annexure 21																																																
21	Automatic Scale i) Application : Chemical weighing in Laboratory. ii) Capacity : up to 230 g. iii) Accuracy : 0.1 mg iv) Power requirement : AC 230V, 50 HZ; v) Display Type : LCD/LED.	Annexure 22																																																
22	Hot Plate (i) Hot Plate for continuous heating up to 350 °C with cast iron top. (ii) Dia : 120 mm.	Annexure 23																																																
23	Hot Plate (i) Hot Plate for continuous heating up to 350 °C with cast iron top. (ii) Size : 400X 200 mm (Approx).	Annexure 24																																																
24	Powertrol Universal Heater : (i) Application : Universal Heater for heating of samples in Chemical Laboratory at Thermal Power Stations. (ii) The heater is a single-element, 200-watt mantle with adjustable heat. (iii) Power requirement : AC 230V, 50 HZ.	Annexure 25																																																
25.	Magnetic Stirrer with Heating Plate : (i) Magnetic stirrer shall be provided with a stainless steel hot plate. The heating energy shall be controlled by stepless speed and energy regulator. (ii) Max speed : 1200 RPM, (iii) Stirring Capacity : 2 liters.																																																	

Handwritten signature
30/04/2019

Handwritten signature
30/04/19
Page 5 of 10

Handwritten signature
30/4/19

		Annexure 26
26	ASTM Hydrometer 0.650 - 1.100 (Set) Hydrometer Set Range: 0.6 - 0.8; 0.8 - 1.0; 1.0 - 1.2.	
		Annexure 27
27	ASTM Hydrometer 0.600 - 2.00 02 Nos. of Hydrometers of Range: 0.6 - 0.7; 0.7 - 2.0.	
		Annexure 28
28	Portable Oxygen Meter : Equipment to be used for measurement of O ₂ in air. (i) Range : 0-25% (ii) Display : LCD/LED display (iii) Battery powered. (iv) Data logging of readings.	
		Annexure 29
29	Stainless Steel Vacuum Filter : (i) Material of Body : Stainless Steel (ii) Top Filtration flask : Stainless Steel, (iii) Capacity : 500 ml (Approx) (iv) Support for membrane filter : Stainless steel screen. (v) Pressure : Vacuum (vi) Membrane filter size : 47 mm.	
		Annexure 30
30	Thermometer (Set). (A) Maximum Minimum Thermometer: 01 No. (i) Thermometer shall register both maximum and minimum temperature. (ii) Range : - 40 °C to + 50 °C. (B) Wet & dry bulb thermometer: 01 No. (i) Thermometer shall register wet bulb & dry bulb temperature. (ii) Range : - 40 °C to + 50 °C.	
		Annexure 31
31	UV-VIS Spectrophotometer. : Name of Equipment : Double Beam UV-VIS Spectrophotometer General : For analysis of routine water samples. Specifications of Equipment: (i) Type : Double beam UV-VIS with large cell compartment to accommodate cells of path length upto 100 mm with essential accessories (ii) Wavelength Range : 190 - 1100 nm (iii) Spectral Band width : 2 nm or better (iv) Wave length display : 0.1 nm increments (v) Wavelength Accuracy : ± 1.0 nm (vi) Wave length repeatability : ± 0.1 nm (vii) Photometric Mode : Absorbance, %Transmittance, Concentration (viii) Photometric Range : 1. Abs: -3.0 ~ 3.0 2. %T: 0 ~ 200%T 3. Conc.: 0.000 ~ 0.999 (ix) Photometric Accuracy : ± 0.005A at 1.0A (x) Light Source : Deuterium and Tungsten lamps with automatic changeover (xi) Data Storage Interface : Universal Serial Bus (USB) (xii) Communication Bus : RS 232C, Bi-directional (xiii) Power Source : 230V AC, 50Hz (xiv) Cuvettes : Rectangular - 10 mm, 50 mm and 100 mm	

Handwritten signature
30/04/2019

Handwritten signature
30/04/19

Handwritten signature
30/04/19

	Annexure 32
32	Oil Content Analyzer Oil content analyzer with following specification shall be supplied. (i) Display : LCD (ii) Measurement Method : Solvent Extraction (iii) Accuracy : Better than 2% of Full Scale (iv) Repeatability : Better than 2% of Full Scale (v) Linear Range : 0 - 200/1000 ppm most crudes or dilute sample for higher range Sensitivity: 1 ppm (vi) Calibration : Single-point and blank (vii) Response Time : 5 Seconds (viii) Measures : Diesel, Lube Oil, Fuel Oil, Crude Oil and Gas condensates (ix) Applications : Produced water, Industrial Waste Water, Oil Spill Response. (x) Minimum Detection Limit : <1 ppm for most oils
	Annexure 33
33	Auto Titrator- Potentiometric Titration Apparatus Potentiometric titration is a technique similar to direct titration of a redox reaction. No indicator is used; instead the voltage across the analyte, typically an electrolyte solution is measured. To do this, two electrodes are used, a neutral electrode and a standard reference electrode. The voltage is recorded at intervals as the titrant is added.
	Annexure 34
34	Refrigerator Standard Laboratory Model (i) Capacity - 250 Liters Approx. (ii) Type - Frost Free (iii) Voltage - 230 V AC nominal, with input voltage range 175-260 approx.
	Annexure 35
35	Sieve shaker with Sieves Electrically operated sieve shaker shall be furnished to accommodate seven 50 mm high x 200 mm dia standard test sieves. The shaker shall produce both circular and tapping motion to provide uniform mechanical action ensuring accurate and dependable test results. The shaker shall be provided with a timer switch so that the test is automatically terminated after the preset time.
	Annexure 36
36	Transfer pipette set - 1 No. each Transfer pipette set : 2ml, 5ml, 10ml, 25ml, 50ml, 100 ml.
	Annexure 37
37	Auto Burette set - 1 No. each Self-zeroing Burette : Capacity:- 10ml, 25 ml, 50ml, 100 ml
	Annexure 38
38	Ice Cube Maker : Making ice cubes for the sample preparation and other cooling purpose; (i) Dimensions (mm) : 386(W) x 600(D) x 645(H) Approx. (ii) Bin Capacity : 9 kg (Approx.). (iii) Voltage : 230 V, 50 Hz.
	Annexure 39
39	Desiccator set - 05 Nos. Desiccator of following sizes for laboratory purposes. (i) Desiccator 100 mm - 02 Nos. (ii) Desiccator 200 mm - 02 Nos. (iii) Desiccator 250 mm - 01 No.
	Annexure 40
40	Furnace : Heating elements shall be of KANTHAL wire in coil form wrapped on the muffle, embedded in high grade refractory cement and backed by High Density Ceramic Fibre Blanket, which avoids loss of heat. Max. Temp. : 1100 0C. Temperature shall be controlled by automatic cut out.
	Annexure 41

Sub Bm
30/04/2019

Byadave
30/04/19

Yarusa
30/4/19

41	Ultrasonic Cleaning Bath : Ultrasonic cleaning bath used in chemical laboratory for glass ware and equipment cleaning.	Annexure 42
42	Trolley cart Wheel type trolley cart for sample collection for laboratory use.	Annexure 43
43	pH Meter (i) Application : For desalination/degasser acid cleaning and other plant activities at site pH Meter with digital recorder function (ii) Range pH : 0 to 14.00 pH (iii) Accuracy pH : ± 0.01 pH (iv) Temperature compensation : Automatic (v) Display : Digital Display (vi) Input connections : pH Combination electrode with Temperature Sensor (vii) Power Requirement : Mains operated (230 Volts AC $\pm 10\%$, 50 Hz $\pm 3\%$, Single phase supply/ Battery Operated.	Annexure 44
44	Microprocessor Ion Meter (i) Application : For the determination of cations and anions in different liquid samples; Ion, pH, mV, Temperature (ii) Display : LCD 20 keys, Soft Touch Membrane Type (iii) Storage : Up to 999 Samples (iv) Attachment for Centronics : Dot Matrix Printer (v) Upto 5 point of Calibration with auto buffer recognition (vi) Automatic error detection facility High accuracy & auto temperature compensation.	Annexure 45
45	Precision Incubator Precision Incubator would be supplied for bacteriological analysis in chemical laboratory at Thermal Power Stations. Specification: (i) Chamber Volume : 40 ltr (Approx.), (ii) Temperature Range : $+5^{\circ}\text{C}$ to 65°C ; (iii) Power Requirement : 230 V, 50 HZ. (iv) Built-in calibration capability. (v) Double-latched outer door.	Annexure 46
46	Cooled Incubator BOD Incubator would be supplied for help in BOD analysis in Chemical Laboratory at Thermal Power Stations. Specifications of Equipment : (i) Temperature range : 5°C to 50°C Temp Stability: $\pm 2^{\circ}\text{C}$ (ii) Power : 230 V, 50 Hz, and 2.5 Amps (iii) It shall be provided with a double walled clear see-through door for visual inspection of the samples without opening the door.	Annexure 47
47	Hot Air Sterilizer Specification of equipment: (i) Oven shall have a Temperature range of Ambient to 200°C with uniform temperature inside the chamber. (ii) The size of the chamber shall be 15"x15"x18" (Approx.). (iii) Heating elements shall be placed in the ribs, at the bottom and sides. (iv) Oven shall be double walled inside of stainless steel, outside mild steel with perforated adjustable shelves, two indicators – one for mains & other for load, and on/off switch. The control switches shall be comprising of switch to ON/OFF the power, switch to select high, medium & low rate of heating. Temperature to be controlled by digital temperature indicator cum controller (v) It shall work on 230 Volts AC $\pm 10\%$, 50 Hz $\pm 3\%$, single phase supply.	

dw
30/04/2019

Adar
20/04/19

Yanic
30/04/19

Annexure 48	
48	Automatic Laboratory Steam Sterilizer : Autoclave would be supplied for sterilization use in chemical laboratory. Specification of equipment : (i) The Autoclave shall be of double wall construction with boiler made of stainless steel 16 gauge sheets. (ii) The Autoclave shall be of 10 - 22 Liters capacity approximately. (iii) Mineral wool/glass wool insulation between Boiler and outer shell. (iv) Lid made of thick stainless steel plate and tightened all-around by radial locking/ wing nut arrangement. (v) There shall be joint less gaskets made of Neoprene rubber. (vi) This sterilizer shall be hydraulically tested up to 40 psi. (vii) Sterilizer shall be fitted with arrangement to indicate water level inside the boiler. (viii) Pressure gauge, Air/Steam release cock and double safety valves provided. (ix) Immersion type heating element of adequate wattage to achieve desired temperature and pressure. (x) Stainless Steel Basket provided. (xi) Electrical Requirement : 230 Volts 50 Cycles AC supply.
Annexure 49	
49	Colony Counter Colony Counter would be supplied for bacteriological analysis in chemical laboratory. Specifications of Equipment : (i) Display : Digital Display (ii) Dish Size : 110 mm Approx. (iii) Magnification : upto 1.7 times (iv) Power Source : 230V AC, 50Hz (v) Ambient Condition : Equipment shall be suitable for operation n ambient temerature from 0-50 °C and relative humidity of 0-98%.
Annexure 50	
50	Water Bath Technical specifications: (i) Heavy Duty, SS 304 interior (ii) Powder coated MS exterior with lid. Sample mounting stage.Sturdy design and construction. (iii) Temp Range : Ambient to 99 Deg.C (iv) Accuracy : +/- 1 Deg.C. (v) Power Supply : 230V, 50Hz
Annexure 51	
51	Laboratory Centrifuge (i) Maximum relative centrifugal force : 2254 g (ii) Maximum rotational speed : 3000 rev./min. (iii) Chamber Temperature Range : 30 to 70 °C (±1°C) (iv) Timer range : 1 to 60 minute or continuous operation. (v) Capacity : 4 samples. (vi) Voltage range : 230 V (vii) Frequency : 50/60 Hz. (viii) Power : 1000 W
Annexure 52	
52	Binocular Microscope (i) A Binocular Microscope is optical microscope with two eyepieces to significantly ease viewing and used for bacteriological analysis in laboratory. (ii) Focusable WF 10X eyepieces with 18 to 20 mm field of view. (iii) Microscope have Quadruple, ball-bearing, reverse-mounted nosepiece. (iv) Color CMOS sensor for image process. (v) Resolution of 1280(H) x 960(V) pixels Approx. (vi) Light Intensity: 1 lux Approx . (vii) All metal rack and pinion focusing.

del B
30/04/2019

Ryadav
30/04/19

Manish
30/4/19

Annexure 53	
53	Filtration Unit Filtration Unit for microbiological analysis, such as microbiological testing of water and other liquids in chemical laboratory in Thermal Power Stations.
Annexure 54	
54	BOD Incubator BOD Incubator would be supplied for BOD determination in effluent samples. (i) Temperature range : 5 °C to 50 °C Temp Stability: ± 2 °C (ii) Power : 230 V, 50 Hz, and 2.5 Amps (iii) It shall be provided with a double walled clear see-through door for visual inspection of the samples without opening the door.
Annexure 55	
55	Sound Level Meter (i) Measuring Range : 30-130 dB. (ii) Calibration : Factory calibrated (iii) Detector : True RMS (iv) Clock : Real time with Calender (v) Resolution : 0.1 dB (vi) Display : LCD (vii) Frequency weighting : A.C , Linear (viii) Time weighting : Slow, Fast & Impulse (ix) Parameters : SPL, Lmax, Lmin, Leq, Memory Options : 256 K (x) Battery Indicator : Battery life meter with sut-off on low battery (xi) Outputs : Serial interface RS 232/USB port or better.
Annexure 56	
56	Flue gas analyzer (Portable Type) Flue gas analyzer shall have the following specifications: (i) Components Measured NOx/SO2/CO/CO2/O2 (ii) Analysis Principle (a) O2, CO, NO, NO2, SO2 : by Electrochemical (b) CO2 : by NDIR (iii) Flue Gas & Air Temperature Measurement : Temperature Sensor (iv) O2 Measuring Range : 0 to 25 % (v) CO measuring Range : 0 to 8000 ppm (vi) NO Measuring Range : 0 to 4000 ppm (vii) NO2 Measuring Range : 0 to 1000 ppm (viii) SO2 Measuring Range : 0 to 4000 ppm (ix) CO2 Measuring Range : 0 to 20% (x) Flue Gas Temperature : 0 to 900 deg C (xi) Efficiency : 1 to 99.9% (xii) Sample Gas Flow Rate Approx. : 1.1 L /min (xiii) Display measured value in LCD screen (xiv) Instrument shall be battery operated.

Sub E
30/04/2019

Rajadav
30/04/19

Yanis
30/4/19

S.No..	Annexure 57	
57	Chemicals	
Sr. No.	Chemical's Name	Quantity
1	Acid Acetic	4 X 500 mL
2	Acid Benzoic	2 X 500 Gms
3	Acid Hydrochloric A.R.	4X 2.5 lits.
4	Acid Hydrofluoric	1 X 500 mL
5	Acid Nitric A.R.	4X 2.5 lits.
6	Acid Thioglycolic	2 X 500 mL
7	Acid Oxalic	1 X 500 gms
8	Acid Phosphoric	4 X 500 mL
9	Acid Pyrogalllic	2 X 500 gms
10	Acid Sulphuric A.R	10 ltrs.
11	Acid Succinic	1 X 250 gms
12	Acid Tartaric	1 X 500 gms
13	Acid 1- Amino - 2 - Napthol - 4 - Sulphonic	1 X 500 gms
14	Alcohol (Absolute)	1 X 2.5 lits.
15	Alcohol Iso Amyl	1 X 1 lit.
16	Alcohol Isopropyl	1 X 2.0 lit.
17	Liquid ammonia	6 X 500 mL
18	Ammonium Chloride	1 X 500 gms.
19	Ammonium Acetate	1 X 500 gms.
20	Ammonium Oxalate	1 X 500 gms.
21	Ammonium Persulphate	1 X 500 gms.
22	Ammonium Thiocyanate	1 X 500 gms.
23	Acetone	4 X 500 ml.
24	Ammonium Molybdate	4 X 500 gms.
25	Aluminium Nitrate	1 X 500 gms.
26	Borocresol Green	2 X 5 gms.
27	Borocreson Purple	2 X 5 gms.
28	Benzene	1 X 500 mL
29	Barium Chloride	1 X 500 gms.
30	Barium Chromate	1 X 500 gms

Handwritten signature
30/04/2019

Handwritten signature
30/04/19

Handwritten signature
30/4/19

31	Bromophenol Blue	1 X 5 gms.
32	Bentonite	1 X 500 gms
33	Calcium Chloride	1 X 25 gms.
34	Calcium Chloride (Fused)	2 X 2.5 Kgs.
35	Calcium Oxide	1 X 500 gms.
36	Calcium Carbonate	1 X 500 gms.
37	Citric Acid	2 X 500 gms
38	Carbon Tetra Chloride	5 X 500 mL
39	Copper Oxide (Wire form)	1 X 500 gms.
40	Copper Sulphate	1 X 500 gms.
41	Cuprous Chloride	2 X 500 gms.
42	Dextrose	2 X 500 gms.
43	Di - phenyl Amine	2 X 500 gms.
44	EDTA Di-Sodium Salt	2 X 500 gms.
45	Dimethyl Glyoxime	1X5 gms
46	Eriochrome Black T	1 X 25 gms.
47	Ether	2 X 500 mL
48	Ethanol	4 X 500 mL
49	Ferrous Ammonium Sulphate	2 X 500 gms.
50	Ferric Chloride	2 X 500 gms.
51	Ferrous Sulphate	2 X 500 gms.
52	Formaldehyde	2 X 500 mL
53	Fuller's Earth	1 X 500 gms.
54	Glycerol	4 X 500 mL
55	Hydrazine di-hydrochloride	2 X 100 gms.
56	Hydroxyl amine hydrochloride	4 X 100 gms.
57	Hydrogen Peroxide (30%)	4 X 500 mL
58	Iodine ample (N/10)	6 X 6 amps
59	Iron Standard Solution	2 X 100 gms
60	Indigo Caramine	1 X 25 gms.
61	Iodine, sublimated	1 X500 gms.
62	Kaolin	1 X 2.5 Kg.
63	Lead Acetate	1 X 500 gms.

Abh
30/04/2019

Bhadar
30/04/19

Yamini
30/4/15

64	Lead Chromate	1 X 500 gms.
65	Litmus Paper	6 X 1 Roll
66	Magnesium Chloride	1 X 500 gms.
67	Magnesium Oxide	1 X 250 gms.
68	Magnesium Sulphate	2 X 500 gms.
69	Manganous Chloride	2 X 500 gms.
70	Mercuric Thiocyanate	1 X 250 gms.
71	Murexide (Ammonium Perpurate)	1 X 10 gms.
72	Mercuric Iodide	2 X 250 gms.
73	Methanol	6 X 500 mL
74	Methyl Orange Powder	2 X 25 gms.
75	Morpholine Standard Solution	2 X 100 mL
76	Methyl Red	2 X 25 gms.
77	Nitric Acid	4 X 2.5 lit.
78	Para Di-Methylamine Benzaldehyde	2 X 100 gms.
79	Petroleum Ether	6 X 500 mL
80	pH Buffer Capsule, 4.0	6 X 10 caps.
81	pH Buffer Capsule, 7.0	6 X 10 caps.
82	pH Buffer Capsule, 9.2	6 X 10 caps.
83	Phenolphthalein Powder	2 X 100 gms.
84	Potassium Bi-Carbonate	4 X 500 gms
85	Potassium di-hydrogen Ortho Phosphate	2 X 500 gms
86	Potassium Chloride	1 X 500 gms.
87	Potassium Hydroxide	4 X 500 gms.
88	Potassium Permanganate	2 X 500 gms.
89	Potassium Iodide	2 X 500 gms.
90	Potassium Iodate	1 X 500 gms.
91	Potassium Chromate	1 X 500 gms.
92	Potassium Dichromate	4 X 500 gms.
93	Potassium Dihydrogen Phosphate	1 X 500 gms.

ddk
30/04/2019

Ryadav
30/04/19

Y. Srinivas
30/4/19

94	Potassium Persulphate	1 X 500 gms.
95	Potassium Nitrate	1 X 500 gms.
96	Potassium Acid Phthalate	1 X 500 gms.
97	Pheolphthalein	1 X 25 gms
98	Phenol	1 X 500 gms.
99	Silica standard solution (500 ppm)	2 X 100 mL
100	Silica standard solution (1000 ppm)	2 X 100 mL
101	Silver Nitrate Ampule (N/10)	6 X 6 amps
102	Silver Nitrate	2 X 250 gms.
103	Sodium Carbonate Anhydrous	6 X 500 gms
104	Sodium Chloride Anhydrous	6 X 500 gms
105	Sodium peroxide Pallates	6 X 500 gms
106	Standard Copper Solution (1000 PPM)	2 X 100 mL
107	Starch	2 X 500 gms
108	Sulfuric Acid	4 X 2.5 lits.
109	Sodium Acetate	1 X 500 gms.
110	Sodium Carbonate	1 x 1 lit
111	Sodium Bicarbonate	1 X 500 gms.
112	Sodium Meta Bisulphite	4 X 500 gms.
113	Sodium Sulfate	1 X 500 gms.
114	Sodium Sulfite	1 X 500 gms.
115	Sodium Thiosulphate	4 X 500 gms.
116	Sodium Nitrate	1 X 500 gms.
117	Stop Cock Grease (Silicon)	2 X 250 gms.
118	Stannous Chloride	1 X 100 gms.
119	Silica Gel (6 – 16 mesh)	1 X 500 gms.
120	Toluene	1 X 500 mL
121	Thorin Indicator	1 X 5 gms.
122	Universal pH Indicator	1 X 500 mL
123	Zinc Sulphate, hepta hydrate	2 X 500 gms.
124	Zinc Dibenzyl Dithiocarbamate	1 X 100 gms.

aditya
30/04/2019

Byadav
30/04/19

Yash
30/4/19

S.No.	Annexure 58					
58	Glasswares (BOROSIL / DURAN)					
	Sr. No.					
	1	Burettes - Straight Bore Stopcock				
		Capacity (mL)	Graduation (mL)	Tolerance (mL)	Height	Quantity
		100	0.2	0.1	830	3
		50	0.2	0.05	780	6
		25	0.1	0.05	530	6
		10	0.05	0.02	530	6
	2	Burette, Automatic Zero, Mounted on Reservoir (Reservoir Capacity - 2000 mL)				
		Capacity (mL)	Graduation Interval (mm)	(mL)	Tolerance (mL)	Quantity
		50	0.1		0.1	3
		25	0.1		0.1	3
		10	0.05		0.05	3
	3	Pipettes, Transfer Volumetric, Accuracy as per class B with Works Certificate				
		Capacity (mL)	Tolerance ($\pm$ mL)			Quantity
		100	0.08			6
		50	0.05			6
		25	0.03			6
		10	0.02			6
		5	0.015			6
		2	0.01			4
		1	0.007			4
	4	Pipettes (Mohr Type), Accuracy as per class B with Works Certificate				
	Capacity (mL)	Graduation Interval ($\pm$ mL)		Tolerance (mL)	Quantity	
	10	0.1		0.05	12	
	5	0.1		0.05	12	
	2	0.1		0.01	6	
	1	0.1		0.006	4	
5	Volumetric Flask With Stopper, Accuracy as per class B with Works Certificate					
	Capacity (mL)	Interchangeable Stopper Size		Tolerance ($\pm$ mL)	Quantity	
	2000	19/20		0.4	2	
	1000	19/20		0.4	4	
	500	19/20		0.25	6	
	250	14/15		0.15	6	
	100	14/15		0.1	12	
	50	10/15.		0.06	12	
	25	10/15.		0.04	12	

dlb
30/04/2019

Bjadar
30/04/19

Yarise
30/4/15

6	Graduated Cylinders Single Metric Scale with Four-out as per Class B with Works Certificate			
	Capacity (mL)	Graduation Interval (mm) (mL)	Tolerance (mL)	Quantity
	2000	20	10	2
	1000	10	5	4
	500	5	2.5	6
	250	2.5	1	6
	100	1	0.5	6
	50	1	0.5	6
	25	0.5	0.25	6
	10	0.2	0.1	6
7	Flasks, Erlenmeyer, Conical, Narrow mouth.			
	Capacity (mL)	OD X Height (mm X mm)	Neck OD (mm)	Quantity
	1000	131 X 220	42	6
	250	85 X 140	34	12
	150	72 X 124	24	12
	100	64 X 105	25	12
8	Beakers, Griffin Low Form with Spout.			
	Capacity (mL)	OD X Height (mm X mm)	Quantity	
	2000	131 X 90	4	
	1000	105 X 148	12	
	400	77 X 105	12	
	250	68 X 95	12	
	100	50 X 72	12	
	50	42 X 55	12	
9	Flasks, Boiling, Round Bottom, Short Neck with Interchangeable Joint.			
	Capacity (mL)	Interchangeable Stopper Size	Height (mm)	Quantity
	1000	24/29	188	4
	500	24/29	160	4
10	Flasks, Distilling with Side Arm.			
	500			4
11	Funnels, Plain 60 ° Long Stem.			
	Size			Quantity
	100 mm dia			20
	75 mm dia			20
	50 mm dia			20
12	Funnels, Separating with Stopcock and Interchangeable Stopper, Pear Shape			
	Capacity (mL)			Quantity
	500			10
	250			5
13	Bottles, Reagent Plain Narrow Mouth and Interchangeable Stopper			
	Capacity (mL)			Quantity
	2000			20
	1000			40
	500			40
	250			24
	125			6

9/6/20
30/04/2019

Radary
30/04/19

H. P. S.
30/4/15

14	Bottles, Reagent Amber. Narrow Mouth with Interchangeable Flat Head Stopper :		
	Capacity (mL)	Total Height (mm)	Quantity
	1000	200	6
	500	172	6
	250	147	6
15	Dropping Bottles with 0.5-ml. Droppers :		
	100		12
16	Dropping Bottles Clear Glass, T.K. Pattern with Slotted Ground Stopper		
	100		6
17	Dropping Bottles Amber Glass, T.K. Pattern with Slotted Ground Stopper		
	100		6
18	Winchester Bottles, with Slotted Ground Stopper		
	500		6
19	Bottles, Aspirator with Tubular at Bottom and Connection Designed with Flexible Tubing.		
	10 Litres		2
	20 Litres		2
20	Bottles, Wash, Complete with Interchangeable Stopper.		
	250 mL		5
	500 mL		5
	1000 mL		5
21	Bottles, Weighing with Interchangeable Stopper.		
	60 mL		20
	40 mL		20
22	Watch Glasses.		
	80 mm dia		20
	105 mm dia		20
23	Watch Glasses. Duran / Borosil.		
	150 mm dia		20
	200 mm dia		20
24	Petri Dishes, Crystallizing Dishes.		
	50 mm		40
	100 mm		40
	100*50 mm		40
25	Dishes, Evaporating, Flat Bottom with Pour Out.		
	150 X 80		40
26	Desiccators with Knob Top.		
	110		4
	160		4
27	Desiccators, Vacuum with Cover & Sleeve.		
	160		2
28	Distilling Apparatus with Graham Condenser, Interchangeable Joints, Interchangeable stopper		
	500		2
29	Condensers, Liebig Drip Tip, Interchangeable Joint and Interchangeable Outer Joint.		
	300 mm jacket length		4

Atg@w
30/04/2019

Ryaday
20/04/19

Yanir
30/4/19

S.No.	Annexure 59		
59	SAFETY EQUIPMENTS		
S.No.	Item Description	Size / Specifications	Quantity
1	Mens protective Coat (Long)	Chest Size	
		850 mm	02 Nos.
		900 mm	02 Nos.
		950 mm	02 Nos.
2	Rubberized Cloth Apron	114 cm L X 86 cm W	05 Nos.
3	Asbestos gloves	20 cm L	2 Pairs
4	Natural Rubber Gloves	Medium Weight 33 cm L	
		Size 07	03 Pairs
		Size 08	03 Pairs
5	Neoprene gloves (size 7)	-	06 Pairs
6	Neoprene gloves (size 8)	-	06 Pairs
7	Silicon rubber hand protector from heat	-	02 Nos.
8	Respirator for toxic dust complete with filter	-	06 Nos.
9	Gas mask suitable against ammonia, chlorine, sulphur dioxide, acid fumes	-	05 Nos.
10	Safety goggles to avoid chemical splash, Soft vinyl frame with plastic ventilators, Optical quality, distortion free replaceable lens, with rubber head band	-	06 Nos.
11	First Aid Cabinet similar to Fisher Catalogue 203 No. 10-020	-	04 Nos.
12	Toxic and Hazardous chemicals chart similar to Fisher catalogue 203 No. 10-027-1	-	02 Nos.
13	Laboratory safety chart similar to Fisher Catalogue 203 No. 10-027-10	-	04 Nos.
14	Eye/Face wash wall mount similar to Fisher Catalogue 203 No. 91-572	-	04 Nos.
15	Safety signs such as eye wash, exit, fire extinguisher, no smoking, first aid kit, acid spillage, etc., displayed in the laboratory	-	04 Nos.

[Signature]
30/04/2019

[Signature]
30/04/19

[Signature]
30/4/19

Terms & Conditions of Reverse Auction

Against this enquiry for the subject item with detailed scope of supply as per enquiry specifications, BHEL may resort to “REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit „online sealed bid“ in the Reverse Auction. Non-submission of „online sealed bid“ by the bidder for any of the eligible items for which techno- commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at “Total Cost to BHEL” like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL’s standard practice.
12. Bidders shall be required to read the “Terms and Conditions” section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction“, which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action *as per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. In case BHEL decides to go for reverse auction, the H1 bidder (s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA.

ANNEXURE-IV

SPECIAL TERMS & CONDITIONS FOR TWO PART TENDER FOR FOREIGN BIDDERS

These terms and conditions supersede the same or similar terms and conditions if they are appearing elsewhere in the Enquiry.

S.No.	Terms	Description	Your confirmation
1.	Confirmation to General Instructions and standard terms & conditions:	Please confirm each clause of following documents: - 1. General Instructions and standard terms & conditions for bidding against tender enquiry (GISTC, Rev. 04): 2. Special terms & conditions of tender enquiry (Annexure-IV). 3. Packing Instructions for Seaworthy Packing: TGE-3646 (Annexure-VI) 4. Shipping Instructions (Annexure-VII) Deviation to conditions mentioned in above documents, if any, shall be submitted along with offer in separate documents. Please note that in case, no deviation sheet is received along with the offer, it will be considered that all terms and conditions mentioned in above documents are acceptable to the bidder and your offer will be processed accordingly.	
2.	Special Instruction:	Please note that as per BHEL's Policy, we cannot allow Price impact for the requirement / scope of supply, which is a part of specifications of our tender enquiry. Hence please read all specification / documents thoroughly and submit your offer as per specifications of tender enquiry.	
3.	Packing & Shipping Instructions:	Seaworthy Packing to be done by vendor as per Packing Instructions TGE-3646 Rev. 01 (Annexure-VI) enclosed. Kindly read the document carefully for quoting your offer accordingly and also submit the endorsed copy of this document as your acceptance for the conditions/instructions mentioned therein.	
		Material shall be shipped as per Shipping Instructions (Annexure-VII) enclosed. Kindly read the documents carefully for quoting your offer accordingly and also submit the endorsed copy of this document of this document as your acceptance for the conditions/instructions mentioned therein.	
		Each Packing box shall have the following mentioned in Indelible ink. Contract No. BIFPCL/ EPC-MAIN PLANT/2016/01	
		Vendor to inform the Maximum No. of Boxes / Packages to dispatch the complete quantity mentioned in tender enquiry. Each package should have inscriptions and signs stenciled with an indelible ink legibly and clearly. The Sl.No. of Package shall be indicated by vendor as Sl. No. BHEL/MTR/BD/HWR/PCRI-BOI/17001 so on. Kindly note that vendor to submit Packing List for approval from BHEL.	
4.	Evaluation criteria	<i>Evaluation will be done on Total Landed Cost of material code (i.e. Package considering all the sub-items together) upto Maitree project (Bangladesh) site.</i> However, price of individual items mentioned in BHEL specification is required to be quoted separately. <i>Note: Bidder has to submit replica of their Price bid, filled with QUOTED against each item in specification, alongwith their technical (Part-1) bid.</i>	
		Loading for transportation & Custom Clearance cost for material to reach at Maitree project site (Bangladesh) right from receiving of material at delivery address as per clause 3 & 4 of Annexure-VII shall be done as per BHEL contract/rules/policy.	

		For calculation of transportation & Custom Clearance cost as mentioned above, bidders are necessarily required to submit following details with their offer: - Size of Packing Boxes:LxWxH (mm) - Gross Weight of Packing Box wise: Kg. - No. to Boxes for the complete Quantity: Nos. In case the above mentioned data is not provided before price bid opening, your offer would be evaluated with loading of 1.75% (0.25% towards port handling charges & 1.5% towards inland freight) on quoted material prices (CPT value).	
5.	Basis of Quotation:	Confirm that prices have been quoted on CPT basis upto Delivery Address (as per clause no. 3 & 4 of Annexure-VII) i.e. CPT Dhaka Airport. Vendors to quote only on CPT basis. BHEL reserves the right to reject the offer in case of any deviation on this account.	
		Transit insurance would be arranged by BHEL. Please send your offer keeping this in view. However, shipping details need to be provided to BHEL in 15 days advance before shipment to ensure the coverage.	
6.	Delivery Period:	Material is required as per the schedule mentioned in the NIT. However, you are requested to offer your best possible delivery in number of weeks from the date of Purchase Order / document approval.	
7.	Technical Requirement:	Please quote your valuable offer as per BHEL Specification No. PR00562 (Rev. 00) with all annexures (Enclosed as ANNEXURE-II). Vendors are required to quote for all the items mentioned in our enquiry i.e. BHEL specification with Annexures else their offer will be liable for rejection. Please ensure that documents submitted with the offer/bid shall be signed and stamped in each page by authorized representative of the bidder.	
8.	Engineering Documents Approval:	Drawings/Data sheets/documents as called in the specifications shall be submitted for approval to BHEL for BHEL/customer approval within 30 days of purchase order (if required). BHEL will arrange the approval of these drawings/data sheets/documents/QAP within 30 days of their receipt provided those are complete in all respect. Any delay in delivery on account of late submission of drawings/data sheets/documents or QAP shall be to vendor's account. Kindly confirm.	
9.	Validity:	Confirm that your offer shall be valid for 180 days from the date of tender opening. BHEL reserves the right to reject any or all quotations, quoting validity less than 180 days.	
10.	Firm & Fixed Prices:	Confirm that prices will remain firm and fixed during the entire validity and execution of the project.	
11.	MDCC (Material dispatch clearance certificate) Clause:	Please note that material shall be dispatched only after issue of Material dispatch clearance certificate (MDCC) by BHEL. For issue of MDCC, you are required to submit the set of documents (i.e. Packing List, Guarantee/Warranty Certificate, Test certificate, Calibration certificate, COC etc.) to BHEL in 10 days advance for review and release of MDCC by BHEL before dispatch of the consignment. In case of any delay on account of BHEL in issuing MDCC, delivery shall be extended by no. of days in excess of 10 days taken by BHEL in issuing MDCC. Material should be dispatched within 07 days of issue of MDCC by BHEL.	

12.	O&M Manual:	O&M manual in English and Bengali language giving complete technical information of operation and maintenance of the equipment as mentioned in BHEL Specification shall be provided.	
13.	Origin of Quotation:	Quotation should be from the principal / original supplier even if it is submitted through their authorized agent, failing which the quotation is liable to be ignored.	
14.	Installation & Commissioning Clause:	Installation & Commissioning and Performance demonstration of the equipments as mentioned in BHEL Specifications is required at 660 MW Maitree STPP (Bangladesh) project site. Kindly confirm that Lumpsum I&C charges for complete scope of work (inclusive of everything i.e. Visa charges, To & Fro charges, local conveyance, lodging and boarding, taxes etc. and irrespective of no. of man-days) has been quoted separately in your offer. The above charges for Installation & commissioning shall be considered during Price evaluation.	
		Deputation for Installation & Commissioning shall be within 15 days of intimation from BHEL. All consumables & necessary tools required for I&C would be carried by vendor's service engineer.	
		In addition to above, please quote "Per Day" & "Per Visit" charges for Installation & Commissioning including of every everything as above for any extra visit, if required.	
		Please note that the charges quoted for Installation & Commissioning shall be inclusive of applicable Service tax & TDS. Please note that BHEL will deduct tax from your bill of I&C at the time of payment and furnish Tax Deduction at Source (TDS) Certificate. The rate of tax will be as per DTAA between your country and India. You should generally be able to get credit for TDS from the tax authorities in your country based on the certificate provided by BHEL (TDS certificate), if there is a Double-Taxation Avoidance Agreement (DTAA) with India.	
15.	Penalty (Late Delivery) Clause:	Kindly confirm that Penalty for late delivery w.r.t. contractual delivery shall be applicable at the rate of 0.5% of the total order value per week of delay or part thereof subject to maximum of 10% of the total order value. Date of AWB (Airway Bill) shall be treated as delivery date for all purposes.	
		<i>Loading for deviation in LD clause: In case of deviation in penalty clause, BHEL will evaluate your offer after loading on account of deviation in penalty. Loading will be done to the extent to which it is not agreed to by the bidder (at offered value).</i>	
16.	Guarantee/ Warranty Clause:	The equipments shall be guaranteed/warranted for a period of 36 months from the date of dispatch or 24 months from date of installation, whichever is earlier. In case of any failure or trouble reported from site, the supplier shall depute their representative immediately to attend the problem and replace the defective component/parts free of cost, if required.	
		<i>In case of deviation in Guarantee Period, offer will be evaluated with loading @ 4% per-annum (on pro-rata basis) of quoted material value.</i>	

17.	Payment Terms:	Kindly confirm the following Payment terms: Material Portion: 100% payment shall be made after receipt of material at Delivery address (as per clause no. 3 & 4 of Annexure-VII) i.e. Dhaka airport against submission of PBG @ 10% of Order value valid till entire Guarantee period. PBG would be submitted before the negotiation of documents. PBG acceptance/receipt certificate will form part of negotiable documents. PBG will be in BHEL format and from one of the BHEL consortium banks. Installation & Commissioning Portion: 100% payment shall be made against receipt of work completion certificate/successful commissioning certificate, signed by BHEL representative at site.	
		Loading for Deviation in Payment terms: In case of deviation in above mentioned payment term, your offer would be evaluated with loading as per BHEL rules/policy/GISTC.	
		The payment may be claimed thru bank (i.e. CAD) or directly to BHEL. In case of payment through bank, all bank charges shall be on either side i.e. your bank's charges shall be to your account and our bank's charges shall be to our account. In case documents are presented directly to our nominated Banks, bank charges shall be to your account.	
18.	Risk Purchase Clause:	Risk Purchase shall be applicable as per clause 18 of our GISTC (Rev. 04) for Foreign bidders enclosed with tender documents. <i>Kindly confirm.</i>	
19.	Arbitration Clause:	Arbitration shall be applicable as per clause 21 of our GISTC (Rev. 04) for Foreign bidders enclosed with this tender documents. <i>Kindly confirm.</i>	
20.	Order Acceptance:	Ink signed order acceptance shall be furnished within 15 days of order placement. In case, order acceptance does not receive within 15 days of order placement, PO deemed to be accepted by you.	
21.	Deviation: (if any)	Kindly confirm that there is no deviation with respect to BHEL Specifications. However, If there is any deviation with respect to the tender documents then the same should be brought out specifically in separate annexure marked Deviations (Technical/Commercial).	
22.	Make in India preference	Please furnish the self-declaration certificate (enclosed with tender documents) under preference to 'MAKE IN INDIA' govt. notification.	

Kindly ensure to submit the below Enclosures along with 'Techno-Commercial Bid':

1. Copy / Replica of Price Bid (without prices).
2. Catalog / Leaflet of the Equipment / Instrument.
3. Signed & Stamped copy (each page) of duly filled 'Annexure-IV' of Special terms & conditions of Enquiry.
4. Signed & Stamped copy (each page) of GISTC, Rev. 04.
5. Signed & Stamped copy (each page) of 'Annexure-VI' of Packing Instructions for Seaworthy Packing.
6. Signed & Stamped copy (each page) of Annexure-VII' of Shipping Instructions.
7. Signed & Stamped copy of duly filled certificate for "Make in India" clause.

Signature of supplier with Seal

ANNEXURE-V

SPECIAL TERMS & CONDITIONS FOR TWO PART TENDER FOR INDIGENOUS BIDDERS

These terms and conditions supersede the same or similar terms and conditions if they are appearing elsewhere in the Enquiry.

S.No.	Terms	Description	Your confirmation
1.	Confirmation to General Instructions and standard terms & conditions:	Please confirm each clause of following documents: - 1. General Instructions and standard terms & conditions for bidding against tender enquiry (GISTC, Rev. 04): 2. Special terms & conditions of tender enquiry (Annexure-V). 3. Packing Instructions for Seaworthy Packing: TGE-3646 (Annexure-VI) 4. Shipping Instructions (Annexure-VII) Deviation to conditions mentioned in above documents, if any, shall be submitted along with offer in separate documents. Please note that in case, no deviation sheet is received along with the offer, it will be considered that all terms and conditions mentioned in above documents are acceptable to the bidder and your offer will be processed accordingly.	
2.	Special Instruction:	Please note that as per BHEL's Policy, we cannot allow Price impact for the requirement / scope of supply, which is a part of specifications of our tender enquiry. Hence please read all specification / documents thoroughly and submit your offer as per specifications of tender enquiry.	
3.	Packing & Shipping Instructions:	Seaworthy Packing to be done by vendor as per Packing Instructions TGE-3646 Rev. 01 (Annexure-VI) enclosed. Kindly read the document carefully for quoting your offer accordingly and also submit the endorsed copy of this document as your acceptance for the conditions/instructions mentioned therein.	
		Material shall be shipped as per Shipping Instructions (Annexure-VII) enclosed. Kindly read the documents carefully for quoting your offer accordingly and also submit the endorsed copy of this document of this document as your acceptance for the conditions/instructions mentioned therein.	
		Each Packing box shall have the following mentioned in Indelible ink. Contract No. BIFPCL/ EPC-MAIN PLANT/2016/01	
		Vendor to inform the Maximum No. of Boxes / Packages to dispatch the complete quantity mentioned in tender enquiry. Each package should have inscriptions and signs stenciled with an indelible ink legibly and clearly. The Sl.No. of Package shall be indicated by vendor as Sl. No. BHEL/MTR/BD/HWR/PCRI-BOI/17001 so on. Kindly note that vendor to submit Packing List for approval from BHEL.	
4.	Evaluation criteria	<i>Evaluation will be done on Total Landed Cost of material code (i.e. Package considering all the sub-items together) upto Maitree project (Bangladesh) site.</i> However, price of individual items mentioned in BHEL specification is required to be quoted separately. <i>Note: Bidder has to submit replica of their Price bid, filled with QUOTED against each item in specification, alongwith their technical (Part-1) bid.</i>	
		Loading for transportation & Custom Clearance cost for material to reach at Maitree project site (Bangladesh) right from receiving of material at delivery address as per clause 3 & 4 of Annexure-VII shall be done as per BHEL contract/rules/policy.	

		For calculation of transportation & Custom Clearance cost as mentioned above, bidders are necessarily required to submit following details with their offer: - Size of Packing Boxes:LxWxH (mm) - Gross Weight of Packing Box wise: Kg. - No. to Boxes for the complete Quantity: Nos. In case the above mentioned data is not provided before price bid opening, your offer would be evaluated with loading of 3.75% (2% towards sea freight, 0.25% towards port handling charges, 1.5% towards inland freight) on quoted material prices.	
5.	Basis of Quotation:	Confirm that Prices have been quoted on <u>Ex-Works Freight pre-paid</u> basis upto Delivery Address (as per clause no. 3 & 4 of Annexure-VII) i.e. Chennai/Kolkata/Haldia/Kolaghat Sea Port. <i>Packing & Forwarding charges, if any, as well as Freight charges, if any, have to be quoted separately in your offer. In case your offer is silent regarding these charges, same would be considered to be inclusive in your offer.</i>	
		<i>The goods must be dispatch through any BHEL approved transporters which are posted at our website www.bhelhwr.co.in. Please note that if you dispatch the material by any BHEL un-approved transporter then you will be required to furnish the MRC (Material Receipt Certificate) / Receipted GR from project site for processing of your Invoice. No demurrage charges would be borne by BHEL.</i>	
		Transit insurance would be arranged by BHEL. Please send your offer keeping this in view. However, shipping details need to be provided to BHEL in 15 days advance before shipment to ensure the coverage.	
6.	Delivery Period:	Material is required as per the schedule mentioned in the NIT. However, you are requested to offer your best possible delivery in number of weeks from the date of Purchase Order / document approval.	
7.	Technical Requirement:	Please quote your valuable offer as per BHEL Specification No. PR00562 (Rev. 00) with all annexures (<i>Enclosed as ANNEXURE-II</i>).	
		Vendors are required to quote for all the items mentioned in our enquiry i.e. BHEL specification with Annexures else their offer will be liable for rejection.	
		Please ensure that documents submitted with the offer/bid shall be signed and stamped in each page by authorized representative of the bidder.	
8.	Engineering Documents Approval:	Drawings/Data sheets/documents as called in the specifications shall be submitted for approval to BHEL for BHEL/customer approval within 30 days of purchase order (if required). BHEL will arrange the approval of these drawings/data sheets/documents/QAP within 30 days of their receipt provided those are complete in all respect. Any delay in delivery on account of late submission of drawings/data sheets/documents or QAP shall be to vendor's account. Kindly confirm.	
9.	Validity:	Confirm that your offer shall be valid for 180 days from the date of tender opening. BHEL reserves the right to reject any or all quotations, quoting validity less than 180 days.	
10.	Firm & Fixed Prices:	Confirm that prices will remain firm and fixed during the entire validity and execution of the project.	
11.	O&M Manual:	O&M manual in English and Bengali language giving complete technical information of operation and maintenance of the equipment as mentioned in BHEL Specification shall be provided.	

12.	MDCC (Material dispatch clearance certificate) Clause:	Please note that material shall be dispatched only after issue of Material dispatch clearance certificate (MDCC) by BHEL. For issue of MDCC, you are required to submit the set of documents (i.e. Packing List, Guarantee/Warranty Certificate, Test certificate, Calibration certificate, COC etc.) to BHEL in 10 days advance for review and release of MDCC by BHEL before dispatch of the consignment. In case of any delay on account of BHEL in issuing MDCC, delivery shall be extended by no. of days in excess of 10 days taken by BHEL in issuing MDCC. Material should be dispatched within 07 days of issue of MDCC by BHEL.	
13.	Taxes & duties:	Details of applicable taxes & duties are to be mentioned as per clause 11 of GISTC, Rev. 04. In this regard, following is to be specifically mentioned in the offer: a) GST Registration Number b) Address of Principal place of Business c) Type of Business d) HSN Code, its description & rate of applicable GST for the offered material e) Whether registered under Composite scheme of GST (Y/N). <i>It should be noted that the evaluation of the offers shall be done considering the taxation/benefits as applicable under GST.</i>	
14.	Installation & Commissioning Clause:	Installation & Commissioning and Performance demonstration of the equipments as mentioned in BHEL Specifications is required at 660 MW Maitree STPP (Bangladesh) project site. <i>Kindly confirm that Lumpsum I&C charges for complete scope of work (inclusive of everything i.e. Visa charges, To & Fro charges, local conveyance, lodging and boarding, taxes etc. and irrespective of no. of man-days) has been quoted separately in your offer.</i> The above charges for Installation & commissioning shall be considered during Price evaluation.	
		Deputation for Installation & Commissioning shall be within 15 days of intimation from BHEL. All consumables & necessary tools required for I&C would be carried by vendor's service engineer.	
		In addition to above, please quote "Per Day" & "Per Visit" charges for Installation & Commissioning including of every everything as above for any extra visit, if required.	
		Please note that the charges quoted for Installation & Commissioning shall be inclusive of applicable Service tax & TDS. Please note that BHEL will deduct tax from your bill of I&C at the time of payment and furnish Tax Deduction at Source (TDS) Certificate.	
15.	Penalty (Late Delivery) Clause:	Kindly confirm that Penalty for late delivery w.r.t. contractual delivery shall be applicable at the rate of 0.5% of the total order value per week of delay or part thereof subject to maximum of 10% of the total order value. Date of GR/LR shall be treated as delivery date for all purposes.	
		<i>Loading for deviation in LD clause; In case of deviation in penalty clause, BHEL will evaluate your offer after loading on account of deviation in penalty. Loading will be done to the extent to which it is not agreed to by the bidder (at offered value).</i>	
16.	Guarantee/Warranty Clause:	The equipments shall be guaranteed/warranted for a period of 36 months from the date of dispatch or 24 months from date of installation, whichever is earlier. In case of any failure or trouble reported from site, the supplier shall depute their representative immediately to attend the problem and replace the defective component/parts free of cost, if required.	
		<i>In case of deviation in Guarantee Period, offer will be evaluated with loading @ 4% per-annum (on pro-rata basis) of quoted material value.</i>	

17.	Payment Terms:	Kindly confirm the following Payment terms: Material Portion: 100% payment shall be made after receipt of material at Delivery address (as per clause no. 3 & 4 of Annexure-VII) i.e. Chennai/ /Kolkata/Haldia/Kolaghat seaport against submission of PBG @ 10% of Order value valid till entire Guarantee period. PBG would be submitted before the negotiation of documents. PBG acceptance/receipt certificate will form part of negotiable documents. PBG will be in BHEL format and from one of the BHEL consortium banks. Installation & Commissioning Portion: 100% payment shall be made against receipt of work completion certificate/successful commissioning certificate, signed by BHEL representative at site.	
		Loading for Deviation in Payment terms: In case of deviation in above mentioned payment term, your offer would be evaluated with loading as per BHEL rules/policy/GISTC.	
		The payment may be claimed thru bank (i.e. CAD) or directly to BHEL. In case of payment through bank, all bank charges shall be on either side i.e. your bank's charges shall be to your account and our bank's charges shall be to our account. In case documents are presented directly to our nominated Banks, bank charges shall be to your account.	
		Please confirm the delivery location as per clause 3 & 4 of Annexure-VII (Chennai/Kolkata/Haldia/Kolaghat seaport).	
18.	Risk Purchase Clause:	Risk Purchase shall be applicable as per clause 18 of our GISTC (Rev. 04) for Indian bidders enclosed with tender documents. <i>Kindly confirm.</i>	
19.	Arbitration Clause:	Arbitration shall be applicable as per clause 21 of our GISTC (Rev. 04) for Indian bidders enclosed with this tender documents. <i>Kindly confirm.</i>	
20.	Order Acceptance:	Ink signed order acceptance shall be furnished within 15 days of order placement. In case, order acceptance does not receive within 15 days of order placement, PO deemed to be accepted by you.	
21.	Deviation: (if any)	Kindly confirm that there is no deviation with respect to BHEL Specifications. However, If there is any deviation with respect to the tender documents then the same should be brought out specifically in separate annexure marked Deviations (Technical/Commercial).	
22.	Make in India preference	Please furnish the self-declaration certificate (enclosed with tender documents) under preference to 'MAKE IN INDIA' govt. notification.	

Kindly ensure to submit the below Enclosures along with 'Techno-Commercial Bid':

1. Copy / Replica of Price Bid (without prices).
2. Catalog / Leaflet of the Equipment / Instrument.
3. Signed & Stamped copy (each page) of duly filled 'Annexure-V' of Special terms & conditions of Enquiry.
4. Signed & Stamped copy (each page) of GISTC, Rev. 04.
5. Signed & Stamped copy (each page) of 'Annexure-VI' of Packing Instructions for Seaworthy Packing.
6. Signed & Stamped copy (each page) of Annexure-VII' of Shipping Instructions.
7. Signed & Stamped copy of duly filled certificate for "Make in India" clause.

Signature of supplier with Seal

BHARAT HEAVY ELECTRICALS LIMITED

INSTRUCTIONS FOR SEA-WORTHY PACKING FOR BOIs
FOR
2X660 MW MAITREE SUPER THERMAL POWER PROJECT,
BANGLADESH

BHEL DOCUMENT NO. : TGE-3646

REV-01 DATE : 29.03.2018



BHARAT HEAVY ELECTRICALS LTD
UNIT : HEEP, RANIPUR, HARIDWAR

ELECTRICAL MACHINES ENGINEERING
BHEL HARDWAR


PREPARED BY
GOPAL CHAUHAN
Sr. ENGR./EME


CHECKED BY
MANJU AZAD
MGR./EME


APPROVED BY
R.L.VYAS
AGM/EME

INSTRUCTIONS FOR SEA-WORTHY PACKING FOR BOIs
FOR 2x660MW MAITREE PROJECT

1. GENERAL

The standard covers guide lines for making Sea- worthy standard packing boxes to be used for transportation for export orders. Vendors shall be responsible for packing and shall meet the minimum requirements specified herein.

2. SCOPE

The procedure specifies minimum guidelines to be complied with for packing of Components /Assemblies/Equipments. This specification shall be suitable for different handling operations and the adverse conditions during transportation and during indoor/outdoor storage for period of minimum two years.

3. WOOD SPECIFICATION FOR PACKING

The wood used for packing shall conform to specification ISPM NO. 15. (International Standards for Phytosanitary Measures)

4. REQUIREMENTS FOR PACKING CASE

- 4.1. All equipment and materials shall be suitably coated wrapped, or covered and boxed or crated for export shipment so as to prevent damage during handling and storage at the Site. Cardboard containers (if any) shall be enclosed in a solid wooden container to avoid damage during transit.
- 4.2. Equipment and process materials shall be packed and semi knocked down, to the extent possible, to facilitate handling and storage and to protect bearings and other machine surfaces from oxidation. Each container box, crate or bundle shall be reinforced with steel strapping, in such a manner that breaking of one strap will not cause complete failure of the packaging. The packing shall be of best standard to withstand rough handling and to provide suitable protection from tropical weather while in transit and while awaiting erection at the site.
- 4.3. Waterproof paper and felt linings shall overlap at seams at least 15mm and the seams shall be secured together.
- 4.4. Equipment and materials in wooden cases or crates shall be properly cushioned to withstand the abuse of handling, transportation and storage. Packing shall include preservatives suitable for tropical conditions. All machine surfaces and bearings shall be coated with oxidation preventative compounds. All parts subject to damage when in contact with water shall be coated with suitable grease and wrapped in heavy asphalt or tar impregnated paper.
- 4.5. Fumigation of boxes including plywood/spacers shall be carried out as per ISPM 15 to make it pest free. All wood packing in each consignment shall be free from bark and all visible signs and fungal attack at the time of shipment.
- 4.6. Components sub-assemblies and assemblies sensitive to climatic conditions shall be packed seal tight. All the openings of the sensitive components, sub-assemblies and assemblies shall be blanketed to prevent the ingress of dust and moisture. The components sub-assemblies and

assemblies shall be completely covered with 2 layers of polyethylene sheet. Polyethylene sheet to be used shall be UV stabilized. All sharp corners and edges are to be protected by rubber mats to prevent damage the polyethylene sheet. Top surface of the case shall be free from dents to prevent rain water pockets.

- 4.7. All delicate electrical/ instrument components, assembled or loose, likely to be damaged e.g. Gauges, Instruments etc. are to be wrapped in waxed paper or polyethylene air bubble film along with silica gel pack/VCI powder or tablet.
- 4.8. All delicate electrical/ instrument components if sent loose shall be placed in carton, filled with small chips of Expanded Polystyrene (Thermocol), Wood Wool etc.
- 4.9. For equipment like control panels etc. suitable cushioning material like rubber sheet shall be provided on their bottom support (ref fig 1). The gap between the panel and the packing box shall be filled with Thermocol, (Non - hygroscopic material). Distance between adjacent packing of thermocol shall not be more than 500 mm (ref fig 2).

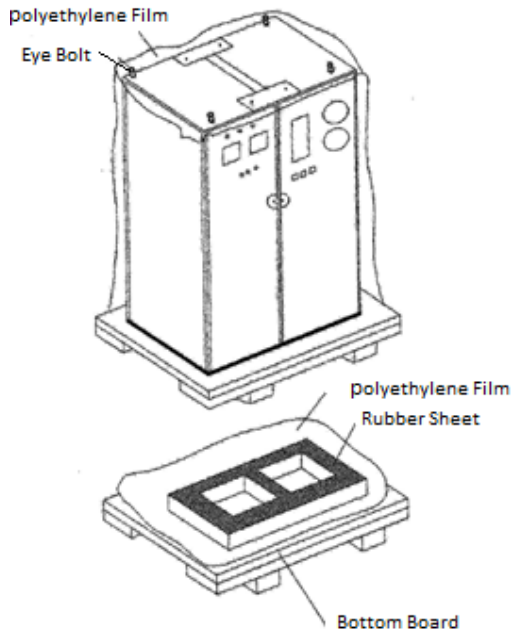


Fig-1

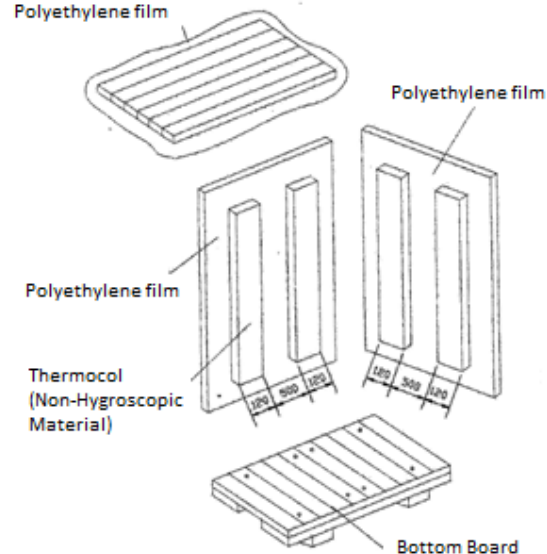
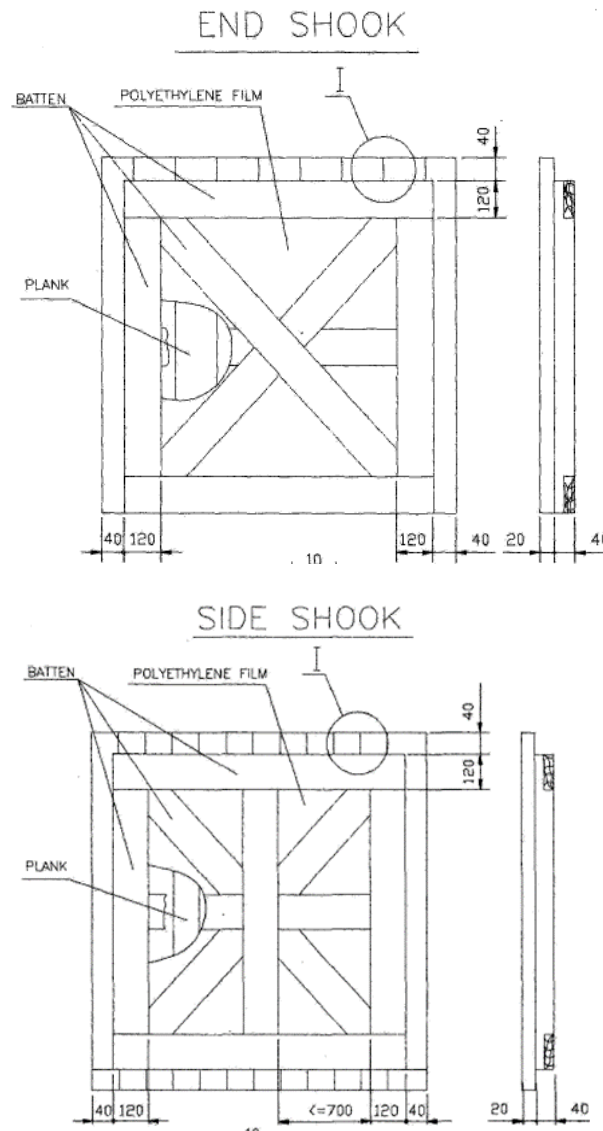


Fig-2

- 4.10. The four sides, shall be lined, from inside with multi-layered polyethylene sheet of at least 120 GSM and tacked at suitable places.

Whenever specified in addition to the polyethylene sheet the top cover will have a layer of bitumen felt over the cover. This should project about 100 - 250 mm on all sides. shall be provided between frame and planks of the end and side shook as shown in Fig. (For reference only.)



* DIMENSIONS SHOWN IN ABOVE FIGGURE ARE INDICATIVE ONLY.

It is preferable to have a single piece of the above multi-layered polyethylene sheet fixed on the four sides. In case jointing is unavoidable, it should be done by overlapping of approximately 100 mm.

Place the Components/cartons with corrosion inhibitors duly applied wherever necessary for place suitably, thin muslin cloths bags containing minimum 100 grams (approx.) of activated Blue Silica Gel as per BS 3482-1991 or equivalent with standard particle size of 3 to 6 mesh (5.6 to 2.8mm), wherever necessary. Alternatively, Tablet/ VCI Powder as per IEC 68-2-30-1980 or equivalent may be used. Approximately 7 m³ VCI paper is necessary for 1 m³ of packed item. VCI Paper shall not be used for components made of aluminum, aluminum alloys, Zinc, Copper, Brass, cadmium & silver. VCI powder is sprinkled inside the piping components ends and shall be protected with end cover.

All packages shall be covered on all sides, with suitable GI sheets preferably single length & width.

- 4.11.** Cover the whole equipment with polyethylene sheet of at least 120 GSM, on all sides preferably by a single piece.
- 4.12.** Silica gel is used for this purpose to protect the contents over sufficiently long time from corrosion. At the time of use, silica gel should be so dried that its colour becomes dark blue. These shall be filled in small cotton bags. Before sealing the equipment, the silica gel bags should be kept inside the polyethylene film cover at different locations. The quantity of silica gel should not be less than 2.0 Kg per m³ volume of the packing box.
- 4.13.** Each case shall contain a packing list showing the detailed contents of the package. When any technical documents are supplied along with the shipment of materials no single package shall contain more than one set of such documents. Shipping papers shall clearly indicate in which packages the technical documents are contained.
- 4.14.** The case number shall be written in the form of a fraction, the numerator of which is the serial number of the case and the denominator the total number of case in which a complete unit of equipment is packed.
- 4.15.** Wherever necessary besides usual Inscriptions the cases shall bear special indication such as "Top", "Do not turn over", "Care", "Keep dry", etc., as well as indication of the center of gravity (with red vertical lines) and places for attaching slings (with chain marks). For all fragile equipment, unit should take special care to pack and label with additional markings such as "FRAGILE, HANDLE WITH CARE", "LIFTING POINTS", "THIS WAY UP", "DO NOT STACK" etc. to protect them from damage in transit.

4.16. Completeness of Contents of each packing case:

Concerned CQA/Unit QC/Third Party Inspection Agency shall verify the completeness of contents of each package w.r.t. packing list both in terms of quality and quantity before authorising dispatch of the consignment.

Packing commensurate with international standards and accepted norms will be ensured by CQA/ Unit QC/Third Party Inspection Agency. Packing has to be sea-worthy and secure. As far as possible, the packing has to be rectangular in shape for optimum space utilization in the ship and economize on shipping costs. Projections on packages are prohibited.

The packing list has to be checked and certified by the Inspection agency with due signatures. All packages shall be covered on all sides, with suitable GI sheets preferably single length & width.

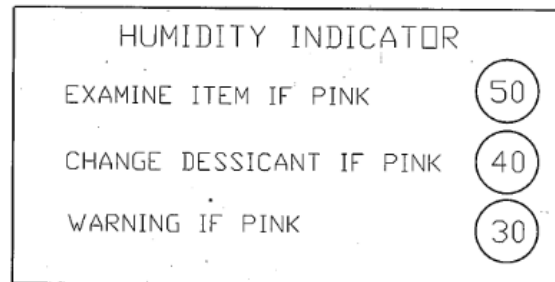
No loose items Gunny bag packing are allowed for shipment. Proper pallets and crates are to be used for packing of Oil drums and Structures.

4.17. Provision of Inspection Windows on Packages:

Vendors should provide inspection window of size 6" x 4" (glass perplex) for customs examination for all packages (above 1.5 x 1.5 x 1.5 cum) involving panels of any kind. Care would be taken to ensure that all packages are properly sealed to avoid ingress of moisture, rodents etc. Packing slip folders shall be attached in each box.

4.18. Provision of Humidity Indicator:

- i. Humidity indicator must be provided in each packing boxes. Humidity indicator shall be placed behind inspection window or as far as practicable from the nearest unit of desiccant.
- ii. Use a three-spot paper card type 1x4 inches in size to show humidity with instruction as indicated in figure below. The spots indicate relative humidity of 50 percent, 40 percent and 30 percent, top to bottom, by changing color from blue to pink.

**4.19. Marking for Safe Handling:**

To ensure safe handling, packing case shall be marked to show the following:

- i. Upright position.
- ii. Sling position and Centre of Gravity position.
- iii. Storage category.
- iv. Fragile components (to be marked properly with a clear warning for safe handling).

4.20. Other Marking on Packing Case

- a) Address of Consignee
- b) Purchase order No.
- c) Description of item or Title of Packing list
- d) Package number strictly as given in the Indent
- e) Net Weight
- f) Gross Weight
- g) Dimensions of the Box

4.21. Shipping Documentation including those covered by customs requirements:

- i. Packing List (O&M manual to be listed in packing list, if sent along with consignment).
- ii. Fumigation certificate for wooden boxes

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
---	---	---

ANNEXURE-VII

These are Standard Shipping and packing Instructions for 2X660MW Maitree Project and should be followed for all the material which is to be dispatched for Maitree Project

Sl. No.	Detail / Description / Instruction	Action By.
1.	<u>Final Customer's Name and Address:</u> Managing Director, Bangladesh-India Friendship Power Company (Pvt.) Limited (BIFPCL), Level-17, Borak Unique Height, 117, Kazi Nazrul Islam Avenue, Eskaton Garden, Dhaka-1217, Bangladesh Contact Details: 8823941805	For Information
2.	<u>Final Destination Address:</u> Site In charge, 2x660 MW Maitree Super Thermal Power Project, PO-Kalekkharber, Union-Rajnagar, Upajila-Rampal, Dist: Bagerhat -93 4 3, Bangladesh Contact No.: +8801678582823	Suppliers to ensure proper marking of Consignee address on the boxes so as to Identify the final destination clearly.
3.	<u>Delivery Address:</u> Items shall be dispatched to the address as per Sl. No. 4.0 of this document.	All Suppliers
4.	All materials to be dispatched under intimation to: <u>For Indigenous Vendors :</u> 1. For Shipments through Chennai : Consignment shall be sent to the following address: Mr. Harsha Trivedi, Engineer/Docks Bharat Heavy Electricals Ltd Near Marshalling Yard, Chennai Port trust Chennai 600 001 Ph. No 044 25362247/25360446 -Mob 08680850932 E-mail: trivedi@bhel.in The couriers /correspondence shall be sent to the following address: Shri S S RAJAN AGM/MS, Bharat Heavy Electricals Ltd Regional Operations Division, EVR Building 6th floor No 690 (Old No 474) Anna Salai, Nandanam Chennai 600 035 Mob 09840997089 E-mail ssrajan@bhel.in	All Suppliers

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
---	---	---

ANNEXURE-VII

	2. For Shipments through Kolkata / Haldia / Kolaghat: Address of Ware house shall be intimated to vendors before dispatch: The couriers /correspondence shall be sent to the following address: Mr. Abhijit Chowdhury, Sr. Engineer Bharat Heavy Electricals Ltd Regional Operations Division DJ 9/1 SECTOR II, Saltlake, Karunamoyee West Bengal 700091 Mob- 9830441607 E-mail: abhijit@bhel.in <u>For Foreign Vendors :</u> Consignment shall be sent to the following address: Dhaka Airport, Bangladesh	
5.	<u>Shipping Marks:</u> Each package / BOX / shipping unit shall be clearly marked or stenciled on at least two sides as follows: <i>"BANGLADESH-INDIA FRIENDSHIP POWER COMPANY (Pvt.) LIMITED, 2X660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH" EPC Contractor -Bharat Heavy Electricals Limited, India"</i> In addition, package / BOX / shipping unit shall have the symbol painted in red on at least two sides of the package, covering one fourth of the area of the side.	All Suppliers
6.	<u>"Bill To" Address:</u> PCRI-BOI Department Heavy Electrical Equipment Plant (HEEP) BHEL Haridwar (Uttarakhand) Pin 249403	All Suppliers
7.	<u>Note:</u> 1. <u>"Bill To"</u> address should be strictly as per Sl. No. 6 of this document. 2. <u>"Delivery"</u> address should be strictly as per Sl. No. 3 & 4 of this document. 3. <u>"Final Destination"</u> address to be properly marked on the boxes as per Sl. No. 2 of this document.	All Suppliers
8.	Packing (tare) shall be part of the Equipment cost and shall not be subject to return. The packing should ensure integrity and cohesiveness of each delivery batch of Equipment during transportation. In case of Equipment assemblies and unit's delivery the packing of glass, plastics or paper the specification of packing with the material and weight characteristics are to be indicated. Hazardous goods must be packed as per international standards/practice.	All Suppliers
9.	Crates and packing material used for shipping will become the property of Customer / BHEL	All Suppliers

	PCRI-BOI DEPARTMENT BHARAT HEAVY ELECTRICALS LIMITED HEEP: HARDWAR-249 403 (Uttarakhand) TEL: +91 1334 28 1941	SHIPPING INSTRUCTIONS FOR 2 x 660 MW MAITREE SUPER THERMAL POWER PROJECT, BANGLADESH
---	---	---

ANNEXURE-VII

10.	Each part of the equipment which is to be shipped as a separate piece or smaller parts packed within the same case shall be legibly marked to show the unit of which it is part, and match marked to show its relative position in the unit, to facilitate assembly in the field. Unit marks and match marks shall be made with steel stamps and with paint	All Suppliers
11.	Advance intimation to BHEL: All supplying vendors will give at least 15 days advance intimation to BHEL along with package details before actual dispatches to arrange for storage/shipping arrangements by BHEL. Information must be sent to consolidate the details and arrange for shipments in time.	All Suppliers
12.	All Indian Suppliers to ensure compliance of Integrated Tax (Rate) Notification No. 41 of 2017 Dtd. 23 rd Oct 2017.	All Suppliers
13.	Following Documents are to be submitted by Supplier: • Packing List • LR Copy / Bill of Lading / AWB marked freight pre-paid. • Fumigation certificate for wooden boxes • CE Certificate for DEEC shipping bill cases with original import license • MSDS for DGR cargo • Warranty Certificate • Manufacturer's Factory Test Certificate/Inspection Waiver Certificate • Quality and Quantity Certificate • Certificate of Origin • MDCC	All Suppliers
14.	<u>Certified Inspection Certificate Approved by Customer:</u> The certificate signed by BIFPCL inspector (if equipment tested in presence of BIFPCL representative) is to be provided to MEPG. In case the Certificate is signed by BHEL/Third Party Inspection Agency, it is to be provided by suppliers to along with the shipping / dispatch documents.	All Suppliers
15.	Following details to be mentioned in GST Invoice for Export- 1. Forex Bank Account no. for all type of Shipping Bill. 2. Authorized Dealer Code no. with Name of Bank for all type of Shipping Bill. 3. Duty Drawback Account no. with IFS code of Bank for Drawback Shipping Bill. As invoice will be used for export custom clearance details like HS code; CIF value, Freight value, Insurance value, FOB value in FC ; Shipper name ;Manufacturer name; Shipping bill type; POL; POD; DBK serial no ; Advance authorization no., EPCG License no as applicable should appear on invoice.	All Suppliers



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Foreign Bidders (Version April-2019,Rev: 04)

Table of Contents

1. GENERAL	1
2. ORIGIN OF QUOTATION.....	1
3. SUBMISSION OF TENDER	1
4. TENDER OPENING	2
5. SPECIFICATION, DRAWINGS & STANDARD	3
6. PRICE SCHEDULE	3
7. REVERSE AUCTION	4
8. DELIVERY TERMS.....	4
9. PENALTY FOR LATE DELIVERY	5
10. PAYMENT TERMS.....	6
11. BANK GUARANTEE	7
12. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.....	7
13. QUALITY REQUIREMENT	7
14. VALIDITY.....	7
15. RIGHT OF ACCEPTANCE	7
16. TRANSIT INSURANCE	8
17. PHYTOSANITARY CERTIFICATE.....	8
18. RISK PURCHASE.....	8
19. FORCE MAJEURE CLAUSE.....	8
20. NON-DISCLOSURE AGREEMENT	9
21. SETTLEMENT OF DISPUTES/ARBITRATION	9
22. INFORMATION TO THE BIDDERS	10
23. MAKE IN INDIA (GOVT-NOTIFICATION)	10
24. NOTE	11

1. GENERAL.

These general terms & conditions shall apply to all the Tender Enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, Haridwar (hereinafter referred to as BHEL or the Purchaser). In case of placement of order these conditions will become part of purchase order until unless the deviations are specifically agreed by BHEL.

2. ORIGIN OF QUOTATION.

- The quotation should preferably be from the principal bidder. However tender specific authorized registered dealer / agent can also submit the bid on their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers.
- An agent cannot quote on behalf of more than one principal in the same Tender Enquiry.

3. SUBMISSION OF TENDER.

- Bid/Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER/Dropped in the Tender Box: addressed as follows: -

Quotation Against Enquiry No. _____ Dated: _____

Due on: _____

To,
THE HEAD OF MATERIALS MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.

- TENDER BOX is located at TENDER ROOM, Room No. - 415, 4th Floor, Main Admin. Building, BHEL-HEEP, Haridwar.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)

- c) In case of Three / Two Part Bid, technical bid containing technical offer, duly signed; and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. All envelopes indicating Part-1 or Part-2 or Part-3 as the case may be to be put in a bigger envelope. Please note that un-priced bid should be the exact replica of price bid but without prices.
- d) The bid / quotation must be posted before due date, keeping allowance for postal transit time. Quotations sent by any mode but not received in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the bidder, sent through any mode. Documents submitted with the offer / bid shall be signed and stamped in each page by authorized representative of the bidder.
- e) Any additional documents submitted by supplier / bidder, during processing of registration application / tender or after placement of order shall not be accepted unless it is submitted with forwarding letter and duly signed and stamped.
- e) The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, shall be rejected. The cutting / overwriting in the bid / offer must be duly attested by the signatories to the bid. The list of firms banned by BHEL is available on BHEL web site www.bhel.com.
- f) Being PMD vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion of such PMD vendor from BHEL's approved vendor list.
- g) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 5 Crore or more.
- h) In case of open tender, the unregistered bidder shall submit inter alia duly filled-in Supplier Registration Form (SRF) along with the bid. Bidders can download the SRF from www.bhel.com
- i) BHEL reserves the right to award tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders). BHEL can also consider awarding of part of the tendered quantity to other than L-1 bidder at **L1 counter offered rates**, if the quantity offered by the L-1 bidder is less than the quantity tendered for.
- j) BHEL may also reduce the Tender Quantity for offering it to Micro & Small Enterprise (MSE) Indian Vendors as per applicable Government of India rules whose prices are within 15% of L1 prices as per directives of Government of India.
- k) In case of e-Tendering (Online bidding through e portal), offline bid submitted in hard copy or in any other form by the vendor / supplier will not be accepted and will be rejected outrightly. Only e-portal bid will be accepted.

4. TENDER OPENING.

Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore, bid / quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating bidders are allowed to attend tender opening. **TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.** The bidders or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender specific letter on that particular day. General authorization letter is not acceptable.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)

Note: - Foreign bidders willing to attend the bid opening has to provide the requisite documents to the concerned Purchase executives for arranging gate pass for them.

5. SPECIFICATION, DRAWINGS & STANDARD.

- Bidders must give their detailed specification in the quotation along with relevant technical literature / catalogue etc. against the tender enquiry.
- The Bid should be accompanied with relevant copies of catalogues, drawings or specification as per tender enquiry. If these documents are not furnished, the offer is liable to be rejected.
- Wherever national / international (N/IN) standards are referred, the latest N/IN standards are to be followed. Mention year & date of standard revision that shall be followed for the supply.
- All Drawings and Standards are proprietary of BHEL. It must not be used in anyway detrimental to the interest of the company.

6. PRICE SCHEDULE.

- Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
- Prices quoted should not be more than the prices quoted to any other BHEL units / offices / divisions. Vendor to submit copy of latest Purchase Order placed by any unit of BHEL for similar items in the technical bid. In case no order has been placed on such items, specific confirmation that no order has been placed on such items should be provided.
- Bidders need to quote their prices on CFR any sea port in Mumbai or FCA basis to the named airport in Euro/USD/JPY/UK Pound/SF/Singapore Dollar or any other Internationally freely tradable currency only. The name of the currency should be clearly indicated in your bids.

- In case the vendor quotes the prices on CFR basis and BHEL accepts the delivery term on CFR, 0.25 % (of CFR Value) towards port handling charges & 1.5 % (of CFR Value) towards inland freight or actual freight charges as per BHEL freight rate contract whichever is higher, shall be loaded in the prices for ascertaining the landed cost to decide the comparative status of the prices.
- However, if BHEL agrees to accept the FOB delivery terms, the FOB prices shall be loaded 2.0% (of FOB Value) towards sea freight, 0.25% (of FOB Value) towards port handling charges & 1.5% (of FOB value) towards inland freight for ascertaining the landed cost to decide the comparative status of the prices.
- Basis of Evaluation for Bid / Quotation in foreign currency:**
 - Currency exchange rate (TT selling rates of SBI) for evaluation of the bid / quotation received in foreign currency will be as follows:
 - Single part bid – Date of tender opening.
 - Two / Three-part bid – Date of part 1 opening.
 - Reverse auction – Date of part-1 opening.

Note: - Financial evaluation of L1, L2 ----- status will be on the basis of Landed Cost to BHEL.

g) Evaluation of Indian Agents Commission:

- BHEL prefers to deal directly with foreign bidder, wherever required, for procurement of Goods. However, if the Foreign Principal desires to avail services of an Indian Agent then the Principal should ensure compliance to applicable guidelines.
- The FOB / CIF price quoted will be deemed to be inclusive of Indian Agency commission. Agency commission if payable shall be converted to Indian Rupees at TT buying rates of exchange ruling on tender opening date which shall not be subjected to any further exchange rate variation, as disclosed by the bidder in his quoted FOB / CIF price will be paid in Indian Rupees on receipt & acceptance of Materials or it's installation at destination, as the case may be. The lower of the TT buying rate prevailing on the date of

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

**General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)**

technical bid opening shall be considered for computation of Agency commission.

3. In a tender either the Indian Agent on behalf of Principal / OEM or the Principal / OEM itself can bid, but both cannot bid simultaneously for same item / product in the same Tender. If both OEM and its authorized agent submit their bids separately in that case only the offer of OEM can be considered as an exception.

h) While submitting your bids please clearly indicate:

1. Expected weight of goods (lots wise).
2. The size of packed goods.
3. Whether the goods can be dispatched in containers?
4. Port of Loading.
5. Port of Discharge.

7. REVERSE AUCTION.

- a) BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after Techno-Commercial Evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides for RA. Detailed guidelines available at our site www.bhel.com
- b) In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-Submission of 'online sealed bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

8. DELIVERY TERMS.

- a) Goods shall be dispatched by sea, unless stated otherwise in the tender enquiry or purchase order.
- b) Specifically confirm your agreement to change the mode by Air at BHEL's request as per mutually agreed terms even after placement of Purchase Orders.
- c) The Trans-shipment is not permissible in case of Break Bulk Cargo. In rest of the case Trans-shipment condition in BHEL purchase order / letter of credit will be as per Uniform Custom and Practice for documentary credits, UCP 600 of International Standard Bank proceed re-issued by International chamber of Commerce (ICC).
- d) Any demurrage / Godown Rent payable to the Port Authorities due to any delay attributed by the supplier will be recovered from supplier's account.
- e) A certificate of origin (COO) sanctioned in country of origin from chamber of commerce of the manufacturing country is to be provided mandatorily. However, a certificate of origin (COO) from the countries under the restricted list of Govt. of India will not be acceptable.
- f) For reasons of delay in receipt of documents from suppliers or due to the same being found to be incomplete, and / or faulty, the suppliers shall be responsible to reimburse in all demurrages / wharfages, if any paid by BHEL (for stated reasons).
- g) Load port charges shall be settled by the supplier and not be passed on to BHEL in form of destination charges.
- h) In the event of bidder offering CFR delivery terms for delivery in FCL (Full Container Load), the bidder shall provide 21 days' time free of detention for General Purchase Container / High Cube Container and 14 days for the other types from the date of delivery at delivery port. Wherever the detention free period offered is less than the above specified period, the consequential cost at port of clearance

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)

shall be to the account of the bidder. Number of detention free days must be mentioned on Bill of Lading (BL).

- i) In case of CFR delivery, Port congestion charges or any additional charges claimed by shipping line till delivery at destination port shall be to the bidder's account.
- j) The shipping line should be ready to move the containers to consignees nominated CFS (Container Freight Station) yard and Indian agent of shipping line should issue Cargo Arrival Notice (CAN) 7 days in advance for filing the IGM (Import General Manifest) at discharge port.
- k) In case of CFR contract, bidder to supply the material through a Certified Sea worthy vessel.
- l) **The invoices being issued by shipping lines must be in the name of BHEL. Any loss in GST due to submission of discrepant document will be recovered from supplier / vendor.**
- m) While booking the shipment, bidder to also finalize **destination charges** and the same should appear over BL or agreed tariff to be provided to BHEL before arrival of shipment.
- n) If cargo is stuffed in container, then the same should be allowed to be moved to CFS of importers choice without any additional charges.
- o) NNDs (Non Negotiable Documents) (preferably with OBLs) should be sent to BHEL as detailed in para "p" (below), at least 7 days in advance i.e. 7 days before the arrival of vessel so as to enable BHEL to move the containers to JWC CFS.
- p) **Information related to OBL / AWB Documents:**
 - I. Consignee name and address should be same as mentioned in the Purchase order.
 - II. Notify party: Name and address will be as follows :(For discharge port Mumbai or Nhava Sheva)

Bharat Heavy Electricals Limited

14th Floor World Trade Centre-1, Cuffe Parade, Colaba, Mumbai -400005

Email: msseahwr@bhel.in & ppximx@bhelh.in (in case of Sea Shipments)

Email: msair@bhel.in and ppximx@bhel.in (in Case of Air shipments)

For latest updating please refer our web site:

www.bhelhwr.co.in

- III. OBL should clearly mention the Indian agent address and contact details.
- IV. OBL should be issued as per UCP 600.
- V. In case of shipments other than FOB, OBL should mention the container detention free period.
- VI. In case of placement of an Order, BHEL requests bidder to supply one Original Bill of Lading / AWB directly to BHEL-Mumbai office (Address at Para "p-II") with other non-negotiable documents to ensure timely clearance of goods. The other Original Bill of Ladings (BL) may be routed through bank based on the other agreed terms and conditions of purchase order.

9. PENALTY FOR LATE DELIVERY.

a) Where items of Purchase Order are independently usable.

Penalty for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.

b) Where the total items are required for a main equipment and items are interdependent.

Penalty for Late Deliveries shall be applicable @0.5% per week or part thereof on total value of Purchase Order subject to maximum of 10% of the total value of Purchase Order. Purchase Order value for this purpose shall be the

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Foreign Bidders (Version April-2019,Rev: 04)

Total Gross Value payable to the vendor (Before LD) excluding taxes and duties.

“In case of CFR shipment where BHEL accepts the date of inspection as the date of delivery for the purpose of penalty, the vendor has to ensure the shipment within 30 days for containerized cargo and 45 days maximum for Break bulk cargo from the date of inspection. Any delay, beyond this period, which is not attributable to BHEL shall be considered for application of penalty.”

“In case of FOB shipment, vendor has to intimate the readiness of cargo after inspection to BHEL nominated Freight forwarder minimum 15 days in advance for containerized cargo and 30 days in advance for Break bulk cargo before the FOB delivery date. The delay in shipment due to late intimation to BHEL nominated freight forwarder and not attributable to BHEL will be considered for application of penalty”.

- c) Bidders are requested to quote the best delivery meeting the delivery requirements. BHEL reserves the right to reject the offers not meeting BHEL's delivery requirement.
- d) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.
- e) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.
- f) The delivery date for penalty purpose will be the Bill of Lading Date/Air way bill.

10. PAYMENT TERMS.

- a) BHEL's standard payment term is Payment after Receipt and Acceptance of Material / Item at HEEP, BHEL-Store or at desired destination unless otherwise specified in Special Terms attached to the tender enquiry.

- b) BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.
- c) Where the payments are through bank, the documents may be presented for negotiation through BHEL designated banks which will be specified in Purchase order. Documents should be submitted within 5 days of vessel sailing and receipt of OBL from shipping line.
- d) In case BHEL agrees for payment through LC, the same shall be irrevocable, unconfirmed and will be opened 30 days prior to the scheduled delivery and will be valid for a period of 60 days.
- e) In case of payment after receipt and acceptance of material, 100% payment will be made within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment may get delayed.

The loading criteria for the different payment terms shall be as under;

Payment Terms		Days of Loading
After Receipt & Acceptance of material within 75 days of supply.		No Loading
Against Delivery at BHEL-Stores Haridwar.		45
Against documents through bank (CAD):		45
Letter of Credit (LC)		120
Usance LC	No Loading if usance period is > 120 Days.	
	Loading of days difference i.e difference between 120 days and usance period if the usance period is < 120 days.	
Advance	Delivery Period + 120 Days -Advance Payment Days	

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)

11. BANK GUARANTEE.

In case the bank guarantees are required to be deposited towards security deposit / performance guarantee or for any other purpose as per the terms of this tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

12. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.

- a) Goods shall comply with the specifications for material, workmanship and performance. Unless otherwise specified, the warranty shall be for a period of 18 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at BHEL or at our subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by BHEL.
- b) In case the material is rejected, then date of replacement will be considered as the actual date of delivery.

- c) The bidder shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement / submission of BG/refund of amount paid.

13. QUALITY REQUIREMENT.

Your bid/quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable).

14. VALIDITY.

The quotation should be valid for a minimum period of 90 days effective from the date of opening of tender, unless otherwise specified in the tender enquiry.

15. RIGHT OF ACCEPTANCE.

- a) **BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR** reserves the right to reject any or all the bids / quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.
- b) Any discount / revised offer / bids submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.
- c) Unsolicited discounts / revised offers / bids given after Part-1 bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the tender enquiry.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

**General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)**

d) In case of changes in scope and / or technical specification and / or commercial terms & conditions having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for, then latest price bid shall prevail. However, in both situations, original price bid will be necessarily opened.

e) The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.

f) BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.

16. TRANSIT INSURANCE.

a) Transit Insurance will be covered by BHEL under its open Marine Insurance Policy. Seller shall inform dispatch particulars (Purchase Order, RR/GR/BL/ AWB, Invoice value etc.) to Finance department (Store bill Section), BHEL Ranipur Haridwar (Uttarakhand -India) with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.

b) If Quoted Prices are inclusive of transit insurance, no weightage shall be given while evaluating the bids for Cost of Insurance, being in BHEL Scope.

17. PHYTOSANITARY CERTIFICATE:

a) As per the Indian Law, all consignments being imported into India by air / sea require a phytosanitary certificate from the country of origin-if articles have been packed with wooden packaging materials. This is mandatory. Please confirm in

your offer / dispatch documents that the required phytosanitary certificate will be submitted.

b) Packaging material means any kind of material of plant origin used for packing which include hay, straw wood shavings, wood chips, saw dust, wood waste, wooden pallets, dunnage mats, wooden packages, coir pith, peat or sphagnum moss etc.

18. RISK PURCHASE.

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

19. FORCE MAJEURE CLAUSE.

Notwithstanding any other thing contained anywhere else in the contract or PO (Purchase Order), In case the discharge of obligation under the contract by either party is impeded or made unreasonably onerous, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective date (PO date).

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

**General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)**

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
- b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
- c) Rebellion, revolution, insurrection, civil war etc.
- d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
- e) Riots, commotions, strike unless restricted to the employees of supplier.
- f) Acts of terrorism.
- g) Other unforeseeable circumstances beyond the control of the parties and which the affected party cannot avoid even by using its best efforts.
- h) Cancellation of contract by customer.
- i) Change in law/ government. Regulation making the performance impossible.

The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

Irrespective of any extension of time, if an event of force majeure occurs and its effect continues for more than 180 days the affected party shall have right to cancel the contract.

As soon as reasonably practicable following the date of commencement of a Force Majeure Event, and within a reasonable time following the date of termination of a Force Majeure Event, either Party invoking it shall submit to the other Party reasonable proof of the nature of the Force Majeure Event and of its effect upon the performance of the Party's obligations under this Agreement.

The party shall, and shall ensure that its Subcontractors shall, at all times take all reasonable steps within their respective powers and consistent with Good Operating Practices (but without incurring unreasonable additional costs) to:

- a) Prevent Force Majeure Events affecting the performance of the party's obligations under this Agreement;
- b) mitigate the effect of any Force Majeure Event; and
- c) Comply with its obligations under this Agreement.

If the war like situation has developed in a country where a seller's works is located in the P.O. or there is political instability and Indian Embassy located in that country forbids or advises for not having any business dealing with the sellers located in such zone / region/ country, then BHEL reserves the right to cancel the order.

20. NON-DISCLOSURE AGREEMENT.

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.

21. SETTLEMENT OF DISPUTES/ARBITRATION.

Any dispute/difference arising out of or in connection with this contract, including any question regarding its existence, validity or termination, shall be referred to and finally resolved by arbitration under the Arbitration and Conciliation Act, 1996 of India by a Sole Arbitrator to be appointed with mutual consent of the parties. Such Sole Arbitrator shall be either a retired judge of Supreme Court or High Court or District Court of India or some Advocate having practiced in Indian Courts. The seat or place of arbitration shall be New Delhi, India. The language to be used in the arbitration shall be English. The governing law of the contract shall be the substantive law of India. In case the parties fail to agree on the appointment of arbitrator within 2 months of the notice invoking arbitration by one party, then the

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)
For Foreign Bidders (Version April-2019,Rev: 04)

arbitrator shall be appointed in accordance with the Arbitration and Conciliation Act, 1996 of India.

JURIDICTION: The courts of New Delhi, India, shall have exclusive jurisdiction.

22. INFORMATION TO THE BIDDERS.

- a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website www.bhelhwr.co.in. The user ID & password can be obtained by sending a request to concerned purchase executives.
- b) Intimate your change in mail address or communication address or changes, if any, by email to AGM(SDX/MM) giving your bidder Code.
- c) Please resolve your rejections and unexecuted overdue purchase order immediately which are posted at our B2B Portal, which can be visited through our site www.bhelhwr.co.in.
- d) Copy of this Tender Enquiry is being sent through the post/ Courier / E-mail or by any existing means.
- e) Invoice description and Unit of measurement should be strictly in accordance with Purchase order.
- f) Unit of measurement for dimension and weight should be in metric system only.

23. MAKE IN INDIA (GOVT-NOTIFICATION).

- A. This tender enquiry shall be governed by notification no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 of government of INDIA. Accordingly, the minimum local content, the margin of purchase preference and the procedure for preference to make in INDIA shall be adhered.
- B. Default purchase preference shall be 20% to local suppliers with default minimum local content of 50% for all items / works / services unless any of the Nodal Ministry has prescribed, or prescribe in future lower or higher percentage of purchase preference and/or local content in respect of any items / works / services in which case the purchase preference and/ or local content for that

particular items / works / services shall be as prescribed by the Nodal Ministry.

- C. Vendor to specifically confirm if they are local supplier or not as per above mentioned notification. Accordingly, the local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

'Local Supplier' means a supplier or service provider whose product or service offered for procurement meets the minimum local content. 'Local Content' means the mount of value added in India, which shall, unless otherwise prescribed, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

- D. In cases of Procurement for a Value in Excess of Rs. 10 Crores, the Local Supplier shall be required to provide a Certificate from the Statutory Auditor or Cost Auditor of the Company (in the case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies) giving the percentage of Local Content.
- E. **Requirement of Purchase Preference:** Purchase preference shall be given to local suppliers in all procurements undertaken in the manner specified hereunder-
 - a) "In Procurement of Goods, Services or Works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods or services or works is more than Rs. 50 lakhs, the provisions of below sub-paragraph b or c, as the case may be, shall be apply".
 - b) "In the procurements of goods or work which are not covered by above paragraph a and which are divisible in nature, the following procedure shall be followed";
 - i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.

**BHARAT HEAVY ELECTRICALS LIMITED**

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)**For Foreign Bidders (Version April-2019,Rev: 04)**

- ii) If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local suppliers quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preferences shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- c) "In procurements of goods or works not covered by subparagraph E.a) and which are not divisible and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed":-
- i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1
- ii) If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price, falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii) In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.

F. "For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable."

- G. Procurements where estimated value to be procured is less than Rs. 5 lakhs shall be exempted from GOI order No. P-45021/2/2017-PP (BE-II) dated 28.05.2018.
- H. "For procurement of Goods & Services which are divisible in nature, following shall be operated for **MSE bidders** under Public procurement (Preference to make in India), Order 2017 (revision) :-
- a. If L1 bid is not from local Supplier and price quoted by MSE bidder falls within the margin of Purchase preference (L1+15% for MSEs), then 25 % of total order quantity of respective item (rounded off to nearest number) shall be awarded to MSE bidder, subject to MSE bidder matching the L1 Price. Out of Remaining 75% quantity, distribution shall be operated as per below sub-clause (2) -
- b. If Local Supplier (Next to L1, other than MSE) quoted price falling within the Margin of Purchase Preference, and local supplier matches the L1 price, then 50% of remaining Quantity (after allocation of 25% to MSE) i.e. 37.5% shall be awarded to local supplier and 37.5% shall be awarded to Foreign bidder.

Note : L1 Price refers to lowest evaluated / landed cost to company.

For Further details, please refer GOI order no. P-45021 / 2 / 2017 - PP (BE-II) dated 28.05.2018.

24. NOTE.

- a) Special conditions of enquiry, if enclosed by BHEL, will supersede the respective standard/general terms of enquiry.
- b) Any other Standard terms and Conditions of the bidder attached/referred against the tender enquiry will be treated as null and void ab initio.
- c) In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of supervision of business dealings, who either fail to perform or are in default without any

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Foreign Bidders (Version April-2019,Rev: 04)

reasonable cause, cause loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guide- lines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>

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

e) "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;

1. **Victim:** Any person who suffers permanent disablement or dies in an accident as defined below.

2. **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.

3. **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).

Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2(l) of the Employees Compensation Act, 1923."

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

Table of Contents

1. GENERAL	1
2. ORIGIN OF QUOTATION	1
3. SUBMISSION OF TENDER	1
4. TENDER OPENING	2
5. SPECIFICATION, DRAWINGS & STANDARD	2
6. PRICE SCHEDULE	3
7. REVERSE AUCTION	3
8. DELIVERY TERMS	4
9. PENALTY FOR LATE DELIVERY	4
10. PAYMENT TERMS	4
11. TAXES & DUTIES	5
12. BANK GUARANTEE	6
13. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS	6
14. QUALITY REQUIREMENT	6
15. VALIDITY	6
16. RIGHT OF ACCEPTANCE	6
17. TRANSIT INSURANCE	7
18. RISK PURCHASE	7
19. FORCE MAJEURE CLAUSE	7
20. NON-DISCLOSURE AGREEMENT	8
21. SETTLEMENT OF DISPUTES / ARBITRATION	8
22. WHARFAGE / DEMURRAGE RESPONSIBILITY	8
23. CONDITIONS FOR AVAILING MICRO & SMALL ENTERPRISES (MSE'S) BENEFITS	8
24. INFORMATION TO THE BIDDERS	10
25. MAKE IN INDIA (GOVT-NOTIFICATION)	10
26. NOTE	11

1. GENERAL.

These general terms & conditions shall apply to all the Tender Enquiries, notice inviting tenders, request for quotations concerning the supply of goods and / or rendering of services to Bharat Heavy Electricals Ltd., HEEP, Haridwar (hereinafter referred to as BHEL or the Purchaser). In case of placement of order these conditions will become part of Purchase Order (P.O) until unless the deviations are specifically agreed by BHEL.

2. ORIGIN OF QUOTATION.

- The quotation should preferably be from the principal bidder. However tender specific authorized registered dealer/agent can also submit the bid on their behalf, failing which the quotation is liable to be ignored. BHEL prefers to deal directly with the principal manufacturers.
- An agent cannot quote on behalf of more than one principal in the same Tender Enquiry.

3. SUBMISSION OF TENDER.

- Bid / Quotation must be enclosed in sealed cover on which tender enquiry number and the due date MUST BE written and be invariably sent under REGISTERED POST / SPEED POST / COURIER / Dropped in the Tender Box: addressed as follows:
-

Quotation against Enquiry No. _____

Dated: _____

Due on: _____

To,

**THE HEAD OF MATERIALS MANAGEMENT,
Heavy Electrical Equipment Plant,
Bharat Heavy Electricals Limited,
HARIDWAR-249403 (Uttarakhand), INDIA.**

- TENDER ROOM is located at: Room No. - 415, 4th Floor, Main Admin. Building, BHEL-HEEP, Haridwar.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

- c) In case of Three / Two Part Bid, technical bid containing technical offer, duly signed and un-priced copy of the Price Bid should be kept in one envelope. Price Bid containing only the price should be kept in a separate envelope. All envelopes indicating Part-1 or Part-2 or Part-3 as the case may be to be put in a bigger envelope. Please note that un-priced bid should be the exact replica of price bid but without prices.
- d) The bid / quotation must be posted before due date, keeping allowance for postal transit time. Quotations sent by any mode but not received in time will be ignored. Tender received through authorized E-mail is also acceptable. However, in time submission of tender in tender box shall be the responsibility of the bidder, sent through any mode. Documents submitted with the offer / bid shall be signed and stamped in each page by authorized representative of the bidder.
- e) Any additional documents submitted by supplier / bidder, during processing of registration application / tender or after placement of order shall not be accepted unless it is submitted with forwarding letter and duly signed and stamped.
- f) The bids of the bidders who are on the banned list and also the bids of the bidders, who engage the services of the banned firms, shall be rejected. The cutting / overwriting in the bid / offer must be duly attested by the signatories to the bid. The list of firms banned by BHEL is available on BHEL web site www.bhel.com.
- g) Being PMD vendor, if you are not quoting against this tender enquiry, please send your regret letter positively for our reference with valid reasons for not participating in the tender enquiry. Repeated lack of response on the part of bidder may lead to deletion such PMD vendor from BHEL's approved vendor list.
- h) The bidders will submit Integrity Pact, duly signed by its authorized signatory, along with their bids wherever estimated tender value is Rs. 5 Crore or more.
- i) In case of open tender, the unregistered bidder shall submit inter alia duly filled-in Supplier Registration Form (SRF) along with the bid. Bidders can download the SRF from www.bhel.com
- j) BHEL reserves the right to award tendered quantities among more than one bidder (after acceptance of L1 price by the other bidders). BHEL can also consider awarding of part of the tendered quantity to other than L-1 bidder at **L1 counter offered rates**, if the quantity offered by the L-1 bidder is less than the quantity tendered for.
- k) In case of e-Tendering (Online bidding through e-portal), offline bid submitted in hard copy or in any other form by the vendor / supplier will not be accepted and will be rejected outrightly. Only e-portal bid will be accepted.

4. TENDER OPENING.

Tender opening is scheduled to start in the Tender Room at 2:00 PM, on the due date. Therefore, bid / quotations must reach this office / tender Box latest by 1:45 PM on due date. Only participating bidders are allowed to attend tender opening. **TENDERS RECEIVED AFTER THE SPECIFIED TIME OF THEIR 'SUBMISSION' WILL BE TREATED AS LATE TENDERS AND SHALL NOT BE CONSIDERED UNDER ANY CIRCUMSTANCES.** The bidders or their authorized representatives may be allowed to attend tender opening if duly authorized by their principals, through a tender specific letter on that particular day. General authorization letter is not acceptable.

Note: - Foreign bidders willing to attend the bid opening has to provide the requisite documents to the concerned Purchase executives for arranging gate pass for them.

5. SPECIFICATION, DRAWINGS & STANDARD.

- a) Bidders must give their detailed specification in the quotation along with relevant technical literature / catalogue etc. against the tender enquiry.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

- b) The Bid should be accompanied with relevant copies of catalogues, drawings or specification as per tender enquiry. If these documents are not furnished, the offer is liable to be rejected.
- c) Wherever national / international (N/IN) standards are referred, the latest N/IN standards are to be followed. Mention year & date of standard revision that shall be followed for the supply.
- d) All Drawings and Standards are proprietary of BHEL. It must not be used in anyway detrimental to the interest of the company.

6. PRICE SCHEDULE.

- a) Kindly quote your prices in figures and words both. In case of any discrepancy in value, the prices quoted in words shall be considered for evaluation and establishing L1 status.
- b) Prices quoted should not be more than the prices quoted to any other BHEL units / offices / divisions. Vendor to submit copy of latest Purchase Order placed by any unit of BHEL for similar items in the technical bid. In case no order has been placed on such items, specific confirmation that no order has been placed on such items should be provided.
- c) Prices should be quoted on F.O.R. Destination basis. Transit insurance shall be arranged by BHEL and not to be included in the prices. The offers quoted on other than F.O.R destination basis may result in non-consideration of such bids.
- d) In case BHEL accepts the EX-Works prices, such offers will be loaded by 1.5% of EX-Works value towards freight or with actual freight charges as per BHEL freight rate contract whichever is higher.
- e) In case of Indigenous items covered by DGS & D Rate Contract, the bidders should submit latest valid copy of the rate contract along with bid / quotation
- f) Applicable **IGST / CGST / SGST** and any other statutory levy should be indicated separately and clearly in the bid / quotation.

- g) Bidders can dispatch goods through any Indian Bank Association approved transporters having their branch at HARIDWAR / destination. If material is dispatched through other than Indian Bank Association approved transporter, material to be delivered on door delivery BHEL Stores basis.
- h) In case of dispatch of material through any other unapproved transporter, payment shall be made only after receipt of material and any additional charges payable to the transporter shall be to the bidder's account.
- i) Any demurrage / godown rent payable to the transporter / or to godown's owner due to any delay attributed by the supplier shall be recovered from supplier's account.

NB: Financial evaluation of L1, L2Status will be on the basis of Landed Cost to BHEL.

7. REVERSE AUCTION.

- a) BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after Techno-Commercial Evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides for RA. Detailed guidelines available at our site www.bhel.com
- b) In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-Submission of 'online sealed bid' by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

8. DELIVERY TERMS.

- a) Goods shall be delivered on 'FOR Destination' basis to the named destination unless otherwise called for in the tender enquiry.
- b) Loading on account of 3rd party inspection charges in case of Indian bidders shall be 0.20%.

9. PENALTY FOR LATE DELIVERY.

a) Where items of Purchase Order are independently usable.

Penalty for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. Value of delayed supplies will mean the Gross Value payable to the vendor (Before LD) against such supplies excluding taxes and duties.

b) Where the total items are required for a main equipment and items are interdependent.

Penalty for Late Deliveries shall be applicable @0.5% per week or part thereof on total value of Purchase Order subject to maximum of 10% of the total value of Purchase Order. Purchase Order value for this purpose shall be the Total Gross Value payable to the vendor (Before LD) excluding taxes and duties.

- c) Bidders are requested to quote the best delivery meeting the delivery requirements. BHEL reserves the right to reject the offers not meeting BHEL's delivery requirement.
- d) Commencement of delivery period shall be reckoned from the date of PO / LOI or any other agreed milestone.
- e) Bidder shall deliver the goods in the manner and schedule agreed under the terms and conditions of Purchase order.
- f) **DELIVERY IN CASE OF REJECTION:** In case the material is rejected, then date of replacement will be considered as the actual date of delivery.

g) **DELIVERY AGAINST BANK DOCUMENTS:** In case payment terms quoted by bidder are documents through bank, and the delivery terms being "FOR Haridwar / FOR Transporter Go-down" then date of delivery will be date of intimation by transporter / bidder of delivery of material at Haridwar for the penalty purpose.

g) Where the payments are through bank, the documents may be presented for negotiation to BHEL authorized / nominated bank.

10. PAYMENT TERMS.

- a) BHEL's standard payment term is Payment after receipt and acceptance of materials / items at HEEP, BHEL-Store or at desired destination unless otherwise specified in Special Terms attached to the tender enquiry.
- b) BHEL reserves the right to accept or reject the offer of the bidder who quotes the payment term other than BHEL's standard payment term.
- c) Loading on account of deviation in payment terms shall be done as per extant rules of BHEL-Haridwar.
- d) 100% payment along with taxes, freight & insurance will be made after receipt and acceptance of material and within 75 days from the date of invoice subject to submission of non-discrepant documents within 15 days of supply as per terms and conditions of Purchase Order. In case any discrepancy found in the documents, BHEL will notify the same to vendor within 7 days of receipt. Vendor has to clear all the discrepancies in one go within 7 days thereafter else the payment of vendor may get delayed.
- e) For MSEs (covered under MSME Act) which are registered and periodically renewed with BHEL, the payment will be made within 45 days or as prescribed in the relevant act.
- f) Adherence to the above time schedule of payment is contingent upon Vendor complying with GST Rules w.r.t availment of Input Tax Credit by BHEL.
- g) In case GST credit is delayed / denied to BHEL, due to non / delayed receipt of goods and / or tax invoice or expiry of the timeline prescribed in GST Law for availing such ITC, or any other reason not attributable to BHEL, GST amount shall be



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

recoverable from Vendor along with interest levied / leviable on BHEL.

- h) The taxes and duties that are reimbursed would be the ones applicable as on the contractual Purchase order delivery date or the amount actually paid whichever is less.

i) The loading criteria for the different payment terms shall be as under;

Payment Terms	Days of Loading
After Receipt & Acceptance of material within 75 days of supply.	No Loading
Against Delivery at BHEL-Stores Haridwar.	45
Against documents through bank (CAD):	45
Letter of Credit (LC)	120
Usance LC	No Loading if usance period is > 120 Days.
	Loading of days' difference i.e. difference between 120 days and usance period if the usance period is < 75 days.
Advance	Delivery Period + 120 Days - Advance Payment Days.

11. TAXES & DUTIES.

- a) The bidder to specify in their offer (part 1 bid) the category of their registration under GST like Registered, Unregistered and composite dealer.
- b) The provisional GST registration number of Bharat Heavy Electrical Ltd, Heavy Electricals Equipment Plant, Ranipur, Haridwar is "05AAACB4146P1ZL" with state Code as "05" and State Name as "Uttarakhand".
- c) Please quote our provisional GST registration number in all invoices raised for supply of goods and services under GST regime and also ensure filing of timely return and payment of tax and compliance of other applicable provisions on supplier under GST regime.
- d) No GST will be reimbursed to unregistered or composite dealer. In the event, any GST is quoted by composite dealer,

the same shall be added to the cost of supply in evaluating the bid.

- e) Since, input credit of GST will be available to BHEL-Haridwar only after correct filing of return and payment of applicable GST by supplier, reimbursement of GST shall be made by BHEL-Haridwar on matching of vendor inputs at GST portal, ensuring availability of input credit to BHEL Haridwar. Payment of GST will be made to vendor after matching of input credit and vendor to ensure submission of their invoices along with consent to accept payment of tax after such matching in all cases where bills are submitted directly to BHEL-Haridwar or through bank or under LC or through any other mode.
- f) In the event of any disallowance of input credit or applicability of interest or any other financial liability arises on BHEL-Haridwar due to any default of supplier under GST, such implication shall be to supplier's account.
- g) In the event of any change in the status of the vendor after the submission of the bid but before the supply, GST applicable at the time of supply or in the bid, based on the registration status of the vendor, whichever is lower shall be payable.
- h) Where ever applicable If PAN (Permanent Account Number) of the recipient is not available, income tax is deductible either at the normal rate or at the rate of 20 percent, whichever is higher as per Section 206AA of Indian Income Tax Act 1961.
- i) The bidder shall clearly indicate HSN (*Harmonised System Nomenclature*) / SAC (*Service Accounting Code*), its description and applicable rate of GST for each item in his techno-commercial bid.
- j) Statutory Variation in Taxes & duties as applicable at the time of supply shall be payable. However, in the event of no change in law but bidder quoting certain tax structure in bid document which is lower than the applicable one, such amount shall be the maximum amount of tax that can be claimed by bidder.

Quotations / Bids not in accordance with General Instructions and Standard Terms & Conditions are likely to be ignored.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

k) **IMPORTED GOODS OFFERED BY INDIAN BIDDERS AGAINST DEALER INVOICE:** Wherever the material being offered is imported, the bidder must quote the prices inclusive of IGST. The rate and value of IGST as included in the price must be indicated separately. In case quantum of IGST is not mentioned by the bidder the same will not be considered for evaluation. However, bidder will have to pass on the benefit of IGST to BHEL at the time supply.

l) In case of directly dispatchable items to Customer's Site, BHEL-Haridwar will inform the GST registration number of the respective customer which must be mentioned on the vendor's invoice. Vendor to ensure availability of such information from BHEL-Haridwar before dispatch of any material. However, while filing GSTN-1, BHEL Haridwar GSTN number to be quoted.

Note: - Vendors must ensure compliance of all the applicable rules and procedure as envisaged in the GST Regime. Any loss to BHEL-Haridwar due to fault / non-compliance by the vendor will be to the vendor's account.

12. BANK GUARANTEE.

In case the bank guarantees are required to be deposited towards security deposit/performance guarantee or for any other purpose as per the terms of this tender enquiry, such bank guarantees of the requisite value in the denominated currency of the purchase order should be from one of the Indian branch of BHEL consortium banks and the bank guarantee should be in the proforma as prescribed by BHEL. The proforma of bank guarantee and the list of consortium banks are displayed at BHEL website www.bhelhwr.co.in. However, in case the bank guarantee is not from BHEL consortium banks, then the bidder has to get the bank guarantee confirmed from one of the Indian branch of BHEL consortium banks and the bank charges for such confirmation will be borne by the bidder.

13. GUARANTEE / WARRANTY AND CORRESPONDING REPAIRS / REPLACEMENT OF GOODS.

Goods shall comply with the specifications for material, workmanship and performance. Unless otherwise specified, the warranty shall be for a period of 18 months from the date of receipt. If the delivery is found non-compliant during the warranty period, leading to rejection, the Seller shall arrange free replacement / repair of goods, within one month from the date of intimation or any mutually agreed period. The rejected goods shall be taken away by the Seller at his cost and replaced on Delivered Duty Paid (DDP) (FOR - BHEL Stores / designated destination basis) within such period. In the event of the Seller's failure to comply, Purchaser may take action as appropriate, including Repair / Replenish rejected goods & disposal of rejections, at the risk & cost of the Seller. In case the defects attributable to Seller are detected during processing of the goods at BHEL or at our subcontractor's works, the Seller shall be responsible for free replacement / repair of the goods as required by BHEL.

b) **RETURN OF REJECTED MATERIAL FOR REPLACEMENT:** The bidder shall have to pay 5% incidental charges while taking back supplied material if it is found rejected on receipt. The rejected material shall be sent back only after receipt of replacement / submission of BG / refund of amount paid.

14. QUALITY REQUIREMENT.

Your bid / quotation should have specific confirmation regarding meeting all our quality requirements such as. (i) Test Certificate (TC), (ii) Guarantee Certificate (GC) / Warranty Certificate (WC), (iii) Quality Plan (QP) (if applicable); and (iv) Pre-Dispatch Inspection at your works (if applicable).

15. VALIDITY.

The quotation should be valid for a minimum period of 90 days effective from the date of opening of tender, unless otherwise specified in the tender enquiry.

16. RIGHT OF ACCEPTANCE.

a) **BHARAT HEAVY ELECTRICALS LIMITED HARIDWAR** reserves the right to reject any or all the bids / quotations without assigning any reason thereof. BHEL also reserves the right to increase or decrease the tendered quantities. Bidders should be prepared to accept order for reduced quantity without any extra charges.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

- b) Any discount / revised offer / bids submitted by a bidder on its own shall be considered, provided it is received on or before the due date and time of offer / bid submission (Part-1). Conditional discounts shall not be considered for evaluation of tenders.
- c) Unsolicited discounts / revised offers / bids given after Part-1 bid opening shall not be accepted. No change in price will be permitted within the validity period asked for in the tender enquiry.
- d) In case of changes in scope and / or technical specification and / or commercial terms & conditions having price implication, techno-commercially acceptable bidders shall be asked by BHEL to submit the impact of such changes on their price bids. In case a bidder opts to submit revised price bid instead of impact called for then the latest price bid shall prevail. However, in both situations, original price bid will be necessarily opened.
- e) The bidder whose bid is technically not accepted will be informed & EMD wherever submitted shall be returned after finalization of contract. EMD shall be forfeited in the event of bidder opting out after tender opening.
- f) BHEL reserves the right to short close the existing Purchase Order / Rate Contract / Work Order or any extension thereof at any stage.

17. TRANSIT INSURANCE.

- a) Transit Insurance will be covered by BHEL under its open Insurance Policy. Seller shall inform dispatch particulars (Purchase Order, RR /GR, Invoice value etc.) to "Finance department (Store bill Section), BHEL Ranipur, Haridwar (Uttarakhand-India) with value of consignment to the Purchaser within 07 days of dispatch for BHEL to arrange insurance coverage in its policy. Failure on the part of seller to inform dispatch particulars will make him liable to pay for any transit damages / losses suffered by the Purchaser.

- b) If Quoted Prices are inclusive of transit insurance, no weightage shall be given while evaluating the bids for Cost of Insurance, being in BHEL Scope.

18. RISK PURCHASE.

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfillment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

19. FORCE MAJEURE CLAUSE.

Notwithstanding any other thing contained anywhere else in the contract or PO (Purchase Order), In case the discharge of obligation under the contract by either party is impeded or made unreasonably onerous, neither party shall be considered in breach of the contract to the extent that performance of their respective obligation is prevented by an event of Force Majeure that arises after the effective date (PO date).

In the above clause, Force Majeure means an event beyond the control of the parties to the contract which prevents a party from complying with any obligation of the contract including but not limited to:

- a) Act of God (Such as but not limited to earthquake, drought, tidal waves, floods etc.).
- b) War (whether war be declared or not), Hostilities Invasion, Act of foreign enemy etc.
- c) Rebellion, revolution, insurrection, civil war etc.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

- d) Contamination of Radio Activity from any nuclear fuel or from any other nuclear waste or any other hazardous materials.
- e) Riots, commotions, strike unless restricted to the employees of supplier.
- f) Acts of terrorism.
- g) Other unforeseeable circumstances beyond the control of the parties and which the affected party cannot avoid even by using its best efforts.
- h) Cancellation of contract by customer.
- i) Change in law / government. Regulation making the performance impossible.

The party claiming to be affected by force majeure shall notify the other party in writing immediately without delay on the intervention and on the cessation of such circumstances.

Irrespective of any extension of time, if an event of force majeure occurs and its effect continues for more than 180 days the affected party shall have right to cancel the contract.

As soon as reasonably practicable following the date of commencement of a Force Majeure Event, and within a reasonable time following the date of termination of a Force Majeure Event, either Party invoking it shall submit to the other Party reasonable proof of the nature of the Force Majeure Event and of its effect upon the performance of the Party's obligations under this Agreement.

The party shall, and shall ensure that its Subcontractors shall, at all times take all reasonable steps within their respective powers and consistent with Good Operating Practices (but without incurring unreasonable additional costs) to:

- a) Prevent Force Majeure Events affecting the performance of the party's obligations under this Agreement.
- b) mitigate the effect of any Force Majeure Event and
- c) Comply with its obligations under this Agreement.

If the war like situation has developed in a country where a seller's works is located in this P.O. or there is political instability and Indian Embassy located in that country forbids or advises for not having any business dealing with the sellers located in such zone / region/ country, then BHEL reserves the right to cancel the order.

20. NON-DISCLOSURE AGREEMENT.

All Drawing and Technical Documents relating to the product or it's manufacture submitted by one party to the other, prior or subsequent to the formation of contract, shall remain property of the submitting party. Drawing, technical documents or other technical information received by one party, shall not without the consent of the other party, be used for any other purpose than that, for which they were provided. Such technical information shall not without the consent of the submitting party, otherwise be used or copied, reproduced, transmitted or communicated to a third party. Patterns supplied by BHEL will remain BHEL's property which shall be returned by the bidder on demand to BHEL. Bidder shall in no way share or use such intellectual property of BHEL to promote his own business with others. BHEL reserves the right to claim damages from the bidder, or take appropriate penal action as deemed fit against the bidder, for any infringement of the provisions contained herein.

21. SETTLEMENT OF DISPUTES / ARBITRATION.

In all cases of dispute, the matter shall be referred for ARBITRATION by sole arbitrator to be appointed by the Unit Head of Bharat Heavy Electricals Ltd., at HARIDWAR. The award of the Arbitrator shall be final and binding on both the parties. The place of Arbitration shall be Haridwar.

JURIDICITION: The courts of Haridwar, India, shall have exclusive jurisdiction.

22. WHARFAGE / DEMURRAGE RESPONSIBILITY.

In the event of delay in receipt of documents by Manager (Stores-Shipping) BHEL-Haridwar and in case where dispatches are made through Unapproved Transporter the sole responsibility for wharfage / demurrage for such delay shall be that of supplier.

23. CONDITIONS FOR AVAILING MICRO & SMALL ENTERPRISES (MSE'S) BENEFITS.

- a) "MSE Suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (**five years** from the date of



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at annexure-1 where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two-part bid) or vendor has to give Udyog Adhar Memorandum (UAM). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents is found or the requisite documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above require document are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer. **UAM need not required to be notarized or attested.**

b) Any new supplier will be eligible for registration with BHEL as MSE supplier provided at least any one of the following documents are submitted along with application for registration: -

1. Udyog Adhar Memorandum (UAM).
2. Valid National Small Industries Commission (NSIC) Certificate.
3. Entrepreneurs Memorandum part II (EM II) certificate (valid based on deemed validity of 5 years) or
4. EM II certificate along with attested copy of CA Certificate (as per prescribed format at annexure-A) applicable for the relevant financial year (latest audited), where the deemed validity of EM II is over.
5. However, credentials of all MSE suppliers will be verified before advancing the intended benefits.
6. MSE bidders claiming SC/ST status will have to submit SC/ST certificate of the Proprietor from competent authority. Attested (notarized or attested by Gazetted officer) copy to be submitted along with the offer.
7. In case techno-commercial accepted bidders include MSE source and their prices (based on landed cost – considering quoted prices) are within the price band of 15% w.r.t. L-1 bidder, then BHEL can offer **25%** of quantity of respective item (rounded off to nearest number) to MSE bidders at L-1 price and in case, more than one MSE bidder is in 15 % band and the same is accepted by more than one MSE bidders then **25%**

quantities of respective items will be considered for ordering on proportionate basis amongst MSE bidders.

8. There will be minimum of **3%** reservation for women owned MSEs within the above mentioned 25% reservation.
9. The reservation for MSEs owned by SC/ST will be **6.25%** { 25% out of target of 25% - refer para 4 of Public Procurement Policy for the Micro and Small Enterprises(MSEs)}.
10. The definition of MSEs owned by Women Entrepreneurs is clarified as under:
 - a) In case of proprietary MSE, proprietor shall be Woman.
 - b) In case of partnership MSE, the Woman partners shall be holding at least 51% of share in the unit.
 - c) In case of Private Limited companies, at least 51% share shall be held by Women promoters.
11. The definition of MSEs owned by SC/ST is clarified as under:
 - a) In case of proprietary MSE, proprietor(s) shall be SC/ST.
 - b) In case of partnership MSE, the SC/ST partners shall be holding at least 51% of shares in the unit.
 - c) In case of Private Limited companies, at least 51% share shall be held by SC/ST promoters.
12. While distributing the **25%** quantity amongst MSE bidders the decimal points in quantity shall be ignored for all the bidders except the L-1 amongst MSE bidders. Balance quantity after allocating the quantity to other MSE bidders ignoring the quantities in decimal, shall be given to L-1 (amongst MSE) bidder. However, if there are more than one MSE bidder at the same price level than preference for additional quantities due to ignoring off the decimal (as mentioned above) shall be given to the bidder offering favorable terms to BHEL and if the conditions offered are also same then preference will be given to the bidder having high SPR rating.
13. In case there are more than one MSE bidders (with different landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given to the MSE bidder with lowest landed cost.
14. In case there are more than one MSE bidders (with same landed cost to BHEL) within 15% price band of lowest bidder and quantity to be offered is 1 no. only, then preference shall be given first, based on the favorable terms in the bid and in case terms are also same, the bidder with high SPR rating shall be given preference.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

15. If L1 bidder is MSE bidder, entire quantity will be given to such MSE bidder only.
16. Note: It may however be noted that MSE guidelines as on date (Date of Technical Bid Opening Part-1) shall prevail.
17. "As per the OM No. F.No. 1(2)(1)/2016-MA dtd. 09.02.2017 issued from the Office of Development Commissioner (Micro, Small & Medium Enterprises), "Traders and agents should not be allowed to avail the benefits extended under the PP Policy."

In view of this, it is clarified that benefits of MSE (such as EMD Waiver, Tender fee exemption, Price preference, Payment preference etc.) will be given only to those MSE Vendors who are manufacturers of offered items against the NIT. No MSE benefits shall be provided to Agents / Stockists / Dealers / Traders etc. for the items offered but not manufactured by themselves."

24. INFORMATION TO THE BIDDERS.

- a) Purchase related information is available at our Business-to-Business (B2B) Portal available on our website www.bhelhwr.co.in The user ID & password can be obtained by sending a request to concerned purchase executives.
- b) Intimate your change in mail address or communication address or changes, if any, by email to AGM (SDX/MM) giving your bidder Code.
- c) Please resolve your rejections and unexecuted overdue purchase order immediately which are posted at our B2B Portal, which can be visited through our site www.bhelhwr.co.in
- d) Copy of this Tender Enquiry is being sent through the post.

25. MAKE IN INDIA (GOVT-NOTIFICATION).

- A. This tender enquiry shall be governed by notification no. P-45021/2/2017-PP (BE-II) dated 28.05.2018 of government of INDIA. Accordingly, the minimum local content, the margin of purchase preference and the procedure for preference to make in INDIA shall be adhered.
- B. Default purchase preference shall be 20% to local suppliers with default minimum local content of 50% for all items / works / services unless any of the Nodal Ministry has

prescribed, or prescribe in future lower or higher percentage of purchase preference and/or local content in respect of any items / works / services in which case the purchase preference and/ or local content for that particular items / works / services shall be as prescribed by the Nodal Ministry.

- C. Vendor to specifically confirm if they are local supplier or not as per above mentioned notification. Accordingly, the local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.

'Local Supplier' means a supplier or service provider whose product or service offered for procurement meets the minimum local content. 'Local Content' means the mount of value added in India, which shall, unless otherwise prescribed, be the total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item (including all custom duties) as a proportion of the total value, in percent.

- D. In cases of Procurement for a Value in Excess of Rs. 10 Crores, the Local Supplier shall be required to provide a Certificate from the Statutory Auditor or Cost Auditor of the Company (in the case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies) giving the percentage of Local Content.
- E. Requirement of Purchase Preference: Purchase preference shall be given to local suppliers in all procurements undertaken in the manner specified hereunder-
- a. "In Procurement of Goods, Services or Works in respect of which the Nodal Ministry has communicated that there is sufficient local capacity and local competition, and where the estimated value of procurement is Rs. 50 lakhs or less, only local suppliers shall be eligible. If the estimated value of procurement of such goods or services or works is more than Rs. 50 lakhs, the provisions of below sub-paragraph b or c, as the case may be, shall be apply".
- b. "In the procurements of goods or work which are not covered by above paragraph a and which are divisible in nature, the following procedure shall be followed";
- i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract for full quantity will be awarded to L1.



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

- ii) If L1 bid is not from a local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the local suppliers will be invited to match the L1 price for the remaining 50% quantity subject to the local suppliers quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such local supplier subject to matching the L1 price. In case such lowest eligible local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher local supplier within the margin of purchase preferences shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case some quantity is still left uncovered on local suppliers, then such balance quantity may also be ordered on the L1 bidder.
- c. "In procurements of goods or works not covered by sub-paragraph E.a) and which are not divisible and in procurement of services where the bid is evaluated on price alone, the following procedure shall be followed":-
- i) Among all qualified bids, the lowest bid will be termed as L1. If L1 is from a local supplier, the contract will be awarded to L1
- ii) If L1 is not from a local supplier, the lowest bidder among the local suppliers will be invited to match the L1 price subject to local supplier's quoted price, falling within the margin of purchase preference, and the contract shall be awarded to such local supplier subject to matching the L1 price.
- iii) In case such lowest eligible local supplier fails to match the L1 price, the local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on and contract shall be awarded accordingly. In case none of the local suppliers within the margin of purchase preference matches the L1 price, then the contract may be awarded to the L1 bidder.
- F. "For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of this NIT but before finalization of contract / PO / WP against this NIT.

In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable."

- G. Procurements where estimated value to be procured is less than Rs. 5 lakhs shall be exempted from GOI order No. P-45021/2/2017-PP (BE-II) dated 28.05.2018
- H. For procurement of Goods & Services which are divisible in nature, following shall be operated for **MSE bidders** under Public procurement (Preference to make in India), Order 2017 (revision) :-
- a. If L1 bid is not from local Supplier and price quoted by MSE bidder falls within the margin of Purchase preference (L1+15% for MSEs), then 25 % of total order quantity of respective item (rounded off to nearest number) shall be awarded to MSE bidder, subject to MSE bidder matching the L1 Price. Out of Remaining 75% quantity, distribution shall be operated as per below sub-clause (2) -
- b. If Local Supplier (Next to L1, other than MSE) quoted price falling within the Margin of Purchase Preference, and local supplier matches the L1 price, then 50% of remaining Quantity (after allocation of 25% to MSE) i.e. 37.5% shall be awarded to local supplier and 37.5% shall be awarded to Foreign bidder.

Note : L1 Price refers to lowest evaluated / landed cost to company.

For Further details, please refer GOI order no. P-45021 / 2 / 2017 - PP (BE-II) dated 28.05.2018.

26. NOTE.

- a) Special conditions of enquiry, if enclosed by BHEL, will supersede the respective standard / general terms of enquiry.
- b) Any other Standard terms and Conditions of the bidder attached / referred against the tender enquiry will be treated as null and void ab initio.
- c) In order to protect the commercial interests of BHEL, it becomes necessary to take action against suppliers / contractors by way of supervision of business dealings, who either fail to perform or are in default without any reasonable cause, cause loss of business / money / reputation, indulged in malpractices, cheating, bribery, fraud or any other



BHARAT HEAVY ELECTRICALS LIMITED

HEEP-HARIDWAR, UTTARAKHAND (249403)

General Instructions and Standard Terms & Conditions for bidding against Tender Enquiry (GISTC)

For Indian Bidders (Version April-2019, Rev: 04)

misconducts or formation of cartel so as to influence the bidding process or influence the price etc. Guide- lines for Suspension of Business Dealings with Suppliers / Contractors shall prevail over which is available at BHEL website <http://www.bhel.com>

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

e) "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;

1. **Victim:** Any person who suffers permanent disablement or dies in an accident as defined below.

2. **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.

3. **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).

4. **Permanent Disablement:** A disablement that is classified as a permanent total disablement under the proviso to Section 2(l) of the Employees Compensation Act, 1923."

BANK GUARANTEE BOND**WAM 28**

(Paragraph 4.9.6 of – Works Accounts Manual)

1. In consideration of the Bharat Heavy Electricals Limited, Siri Fort, New Delhi through HEEP Hardwar Division (hereinafter called 'the Company') having agreed to exempt _____ (hereafter called 'the said Contractor' which term includes 'Suppliers' for the purpose of this Bond) from the demand under the terms and conditions of an Agreement dt. _____ made between _____ and _____ for (hereafter called 'the said Agreement') of Security Deposit for the due fulfillment by the said Contractor of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs. _____ (Rupees _____ only) we,

(Indicate the name of the Bank)
(hereinafter referred to as 'the Bank') at the request of _____

Contractor(s) do hereby undertake to pay to the Company an amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the Company by reason of any breach by the said Contractor(s) of any of the terms and conditions contained in the said Agreement.

2. We, _____ do hereby undertake
(indicate the name of the Bank)
to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the Company stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the Company by reason of breach by the said Contractor(s), of any of the terms or conditions contained in the said Agreement or by reason of the contractor(s), failure to perform the said Agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

3. We undertake to pay to the Company any money so demanded notwithstanding any dispute or disputes raised by the Contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We _____ further agree that the Guarantee
(Indicate the name of the bank)

herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the due of the Company under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____ Office / Department / Division of Bharat Heavy Electricals Limited certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the _____, we shall be discharged from all the liability under this guarantee there after.

5. We, _____, further agree with the company that
(Indicate the name of the bank)

the Company shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time to performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the company against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by any reason of any such variation or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of the company or any indulgence by the company to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s)

7. We _____ lastly undertake not to revoke
(Indicate the name of the bank)

this guarantee during its currency except with the previous consent of the Company in writing.

Dated the _____ day of _____

For _____
(Indicate the name of the Bank)

List of Consortium Banks * (wef 22.03.2016)

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

Certificate

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & P-45021/2/2017-PP (BE-II) dated 28.05.2018, we hereby certify that we M/s _____(supplier name) are local supplier meeting the requirement of minimum local content (50%) as defined in above orders for the material against Enquiry No. _____

Details of location at which local value addition will be made is as follows:

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Supplier