

NOTICE INVITING TENDER (NIT)

Ref. Enquiry No.: PE/PG/UPP/E-6199/2019
DATED 09.05.2019

DUE DATE
20.05.2019
By 02:00 P.M.

Dear Sir/Madam,

Subject: OPEN TENDER ENQUIRY OF "OXYGEN DOSING SYSTEM" FOR 2X800MW TANGEDCO UPPUR BTG.

1. We are pleased to invite your offer in two parts strictly as per Clause-2.0 of instructions to bidders of GCC Rev.06 through E-procurement (<https://bhel.abcpurchase.com/EPROC/>) for the under mentioned package:

Design, Manufacture, Inspection and Testing at Manufacturer's works, proper packing and delivery to site of OXYGEN DOSING SYSTEM conforming to the specification no. PE-TS-425-154-A101 Rev.01.

Sl. NO.	ITEM DESCRIPTION.	Quantity and Scope	Delivery
1.0	OXYGEN DOSING SYSTEM	As per BOQ & Technical Specification No. PE-TS-425-154-A101 Rev.01	As per Clause No.2.8 shown below

Note:

A. Please refer the Email of BHEL-PEM for the conditions applicable on the specific vendors against this tender enquiry.

B. Please note that you have to submit offers in two parts (Techno-Commercial Bid and Price Bid) separately ONLINE via e-Procurement System. Please send us an Acknowledgment for the receipt of Enquiry by mail or Letter. In case you are not making an offer against this enquiry, you are requested to send a regret e-mail/letter such that the same is received to us on or before the due date.

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be submitted online via e-procurement system (link- <https://bhel.abcpurchase.com/EPROC/>). It shall be the responsibility of the bidder to ensure that the Tender is submitted on or before the due date by 02:00PM. Part-I bids shall be opened at 03:00 PM on the due date.

Important Note to be considered by all bidders:

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

2. **Terms and Conditions:** - Please refer GCC Rev.06 and GST related corrigendum to GCC-06. which is available on <https://www.bhelpem.com/gcc.aspx>. You are requested to kindly download the same

2.1 Bidders to note that following form the part of tender documents:

- General Conditions of Contract (GCC) Rev 06 and its GST related corrigendum.
- Technical Specifications.
- Technical PQR
- Price format & Special Conditions of Contract (SCC) Rev.00.
- NIT Conditions
- RA guidelines
- Any other document as mentioned or enclosed with NIT.

[Signature]
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- 2.2 Bidders to note that offers shall be submitted strictly in accordance with the requirements of the above tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out clearly with their techno-commercial offer in the annexure-II of GCC Rev-06 only.
Bidder has to submit **"NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS** as per General Conditions of Contracts (GCC, Rev.06) including corrigenda, Special Conditions of Contract and Notice Inviting Tender (NIT)" in case of no deviations.
- 2.3 Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
- 2.4 Unsolicited Fresh/Revised Price Bids shall not be entertained.
- 2.5 Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
- 2.6 Tenderers must enclose the Quality Plan in the prescribed format, for approval. Material will be despatched only after Purchaser's/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Despatch Clearance Certificate (MDCC).
- 2.7 Late tenders will be rejected.
- 2.8 **Delivery Schedule:**
- A. **Main supply:** Supply shall be completed within six (6) months from date of drawings/documents approval in Cat-I or from date of manufacturing clearance by BHEL whichever is earlier. Vendor to submit drgs/docs as per Annexure-VI (Master Drawing List with schedule of submission) of Section-IA of Technical Specification No. PE-TS-425-154-A101, Rev.01 and resubmit drgs/docs within 10 days incorporating all comments. In case there are delays in submission of drgs/docs beyond scheduled submission time or 10 days of comments that much days of delay would be reduced from delivery period.
- B. **Mandatory spares:** Within Six (6) months from BHEL clearance.
- 2.9 All vendors participating in an open tender shall be required to meet the PQ criteria irrespective of their being registered/ not registered with BHEL, failing which offer of such vendor(s) shall be rejected. Price bid (Part-II) opening/Reverse Auction is subject to the following: -
- a) **Techno-commercial qualification / recommendation of bidder by the BHEL-PEM**
- b) **Approval of bidder by BHEL's Customer (i.e. M/s TANGEDCO). Same shall be taken up by us with customer based on the latest credentials/reference list (Preferably not older than 5 years) furnished by bidder. Accordingly, you are requested to submit the following on or before technical bid Part-1 opening or along with offer: -**
- (i) Company Profile
(ii) List of projects executed/ on hand for power sectors / Govt. organizations for the subject package.
(iii) Performance Certificates for satisfactory working of the system /equipment's.
(iv) Copies of major supply order executed by the vendor.

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2.10 PVC is not applicable.

2.11 If any bidder has mentioned the term Not Applicable / Not Require / Not Quoted in BHEL price format. Hence bidder to need to substantiate the same. If the same item will require in future for the system same will be supplied free of cost.

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

Gaurav Gupta, Dy. Manager, PG-I M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301, U.P.,INDIA E-MAIL: gauravgupta@bhel.in Ph. No. +91-120-4368685, +919717380606	Rajeev Lalwani, MGR, PG-I M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301, U.P.,INDIA E-MAIL: rlalwani@bhel.in Ph. No. +91-120-4368793
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2.13 **Quantity Variation:**

Overall (%) quantity variation in contract value (due to changes in the scope) for this package shall be +/-0% which will prevail over the quantity variation clause no.6.0 indicated in the GCC rev 06.

2.14 Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at www.bhelpem.com ' vendor section ' Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted.

2.15 The order of precedence shall be NIT/RFQ, Special Conditions of Contract (SCC), and General Conditions of Contract (GCC, Rev.06) in conjunction with GST related corrigendum.

2.16 "BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer 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.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

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The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL".

Detailed guidelines of reverse auction 2016 are available in "information section" of www.bhelpem.com, the same is applicable for subject tender (link- <https://www.bhelpem.com/gcc.aspx>).

2.17 Evaluation will be done on overall L1 (Total cost to BHEL excluding GST) basis.

2.18 Foreign Bidders will have to quote C&F (Cost & Ocean Freight) basis instead of FOB as per following terms & conditions:

- As per Incoterms (CFR), risk transfers to buyer when the goods have been loaded on board the ship in the country of Export. Hence, shipped on board date mentioned on the clean Bill of Lading or Air way Bill, shall be treated as the date of Shipment/ Dispatch for all contractual purposes including calculation of LD.
- Usance period (90 days) of the L/C shall start from the date of Bill of lading/Air Way Bill.
- Bill of Lading shall be considered as equivalent document (refer clause 9.7.1 b OF GCC rev-06) for recognition of dispatch.
- For claiming payment under clause 9.1.1 and 9.2.1 Bill of lading shall be considered instead of receipted LR (refer clause 9.7.2 b of GCC rev-06)
- Freight is to be quoted as inclusive in basic price by vendor and is not to be quoted separately.
- Insurance for evaluation purposes shall be @ 0.1 % of quoted C&F price.
- There will be no change in MRC payment


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- 2.19 Freight value quoted by any bidder as NIL/Inclusive then the Freight value as derived by BHEL at Average of % freight in last 03(min.) identical purchases for the similar/identical package (after deloading service tax portion, if any) wherever freight charges are available shall be considered for evaluation.
- 2.20 CIF is not available for this tender.
- 2.21 Foreign and indigenous bidders participating through open tender will necessarily have to buy class III DSCs issued by the certifying authorities in India for future tenders. Basic procedure /checklist has been upload on www.bhel.com for participating in future tender enquires through e procurement.
- 2.22 MSE suppliers can avail the intended benefits only if they submit, attested copies of either EM II certificate having deemed validity (Five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of CA certificate applicable for the relevant financial year (latest audited). Documents should be notarized or attested by a Gazetted Officer. Bidder to also note that MSEs who submit registration certificate or register themselves after placement of PO shall also be given payment preference as per MSMED-Act 2006.
- 2.23 MSE bidders to give declaration of UAM number on CPPP, failing which such bidders will not be able to enjoy the benefits as per Public Procurement Policy for MSEs Order, 2012 for tenders invited electronically through CPPP.
- 2.24 The bidder along with its associate/collaborators/sub vendor/subcontractors/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. BHEL Fraud prevention policy is also uploaded in vendor's section on www.bhelpem.com.
- 2.25 All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on website only. Bidders are requested to visit our websites from time to time to keep themselves updated.
- 2.26 Insurance (Ocean and Inland) is in BHEL's scope.
- 2.27 If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence, all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.
- 2.28 5% Overhead charge will be considered instead of 30% as shown in clause 26.2(b) of GCC Rev.06.
- 2.29 All corrigenda, addenda, amendments, time extensions, clarifications etc., to the tender will be hosted on websites only (www.bhelpem.com, www.bhel.com, <https://bhel.abcpurchase.com/EPROC/>) under subject tender reference. Bidders are requested to visit our websites regularly to keep themselves updated. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital

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Signature Certificate for participating in the subject tender. For Bidder's convenience, the Helpdesk Nos. of E-Procurement Portal are also listed below:

Name	Contact Nos.	e-mail ID	Role	Location
Mukunthan	+91 6353215001	Trichy.bhel@eptl.in	Support Executive	Trichy
Tej Singh	+91 6353215002	Bhopal.bhel@eptl.in	Support Executive	Bhopal
Sanjeev Kumar	+91 6353215003	Jhansi.bhel@eptl.in	Support Executive	Jhansi
Gaurav Panwar	+91 6353215004	Haridwar.bhel@eptl.in	Support Executive	Haridwar
Mallikarjun	+91 6353215005	Bengaluru.bhel@eptl.in	Support Executive	Bangalore
Avinash Govu	+91 6353215007	Hyderabad.bhel@eptl.in	Support Executive	Hyderabad
Swapnil Hamilton	+91 7940270549	swapnil.h@eptl.in	Support Executive	HO Ahmedabad
Hardik Oza	+91 7940270560	Hardik.oza@eptl.in	Support Executive	HO Ahmedabad
Ankur Bhatt	+91 7940270590	ankur.bhatt@eptl.in	Support Executive	HO Ahmedabad

2.30 Bid should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid else bid shall be liable for rejection.

2.31 "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/POI WO 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."

2.32 Vendors are requested to go through above mentioned Make in India orders and confirm the following:

"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 as per above mentioned orders and shall give details of the location(s) at which the local value addition is made."

2.33 MSME/Start up Vendors to submit applicable documents along with their offer for availing the benefits as per GOI guidelines. Further PEM is already registered with RXIL(TReDS) Platform. You are requested to get registered with RXIL(TReDS) Platform to avail the facility as per GOI guidelines.

2.34 All the tender documents shall automatically become a part of the Order/Contract after its finalization.

2.35 Detailed offers are to be submitted including the following along with the Price schedule as per BHEL format enclosed with NIT:-

a) Acceptance of GCC Rev-06 including GST related corrigenda

b) Acceptance of Special Conditions of Contract (SCC Rev 00) for the project.

[Signature]
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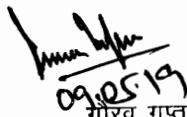
- c) Supporting documents for Technical PQR.
- d) Technical & Commercial Deviations, if any in Annexure-II (**Mandatory to be filled & submitted along with techno-commercial offer**).
- e) Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of terms & instructions conveyed.
- f) Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.

Note:-

1. In case you are not making an offer against this enquiry, you are requested to send a regret e-mail/letter such that the same is received to us on or before the due date.

2. All correspondences from BHEL-PEM before part – I opening shall also be the part of NIT.

Thanking you,
For and on behalf of BHEL


09.05.19

गौरव गुप्ता / Gaurav Gupta
Dy Manager / Project Group (PG-I)
(Gaurav Gupta)
Power Sector Project Engineering Management
पीपीईआई भवन, एच.आर.डी.आई. एंड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
Plot No. 25, Sector 16 A, Noida - 201301

Enclosures

- a) BOQ cum Price Format
- b) Technical Specifications
- c) Technical PQR
- d) New BG format
- e) Annexure-II of GCC Rev06 (**Mandatory to be filled & submitted along with techno-commercial offer**)
- f) SCC Rev00
- g) RA Guidelines

2 x 800 MW TANGEDCO UPPUR BTG (UNIT 1 & 2)
OXYGEN DOSING SYSTEM
BOQ-CUM-PRICE SCHEDULE

FOR INDIAN BIDDER										
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX- WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)	TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)	TOTAL PRICE F.O.R Prices with taxes (INR) (11)
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) = [7X8A]	GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (10A)	TOTAL AMOUNT (INR) (10B) = [9X10A]
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART & MANDATORY SPARES design (i.e. preparation and submission of drawing/ documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, mandatory spares, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Set	1				[7+8B]		[9+10B]
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.									
2.1	Prices inclusive of all prevailing taxes, duties and other levies for SUPPLY PART comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order. (Break-up of prices as per Annexure I)		Set	1						
2.2	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for Mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order. (Price break up of mandatory spares is to be furnished as per Annexure- II).		Lot	1						

Particulars of bidder / authorised representative

Name & Designation	Signature	Date
		Company Seal


Gaurav Gupta
 उपाय प्रबंधक (पी.जी.-1) / Dy. Manager (P.G-1)
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर - परियोजना अभियंत्रिकी प्रभाग
 Power Sector-Project Engineering Management
 पीपीईआईए प्रभाग, पञ्जाब की ओर, एच.एस.डी.एस. कॉम्प्लेक्स
 PPEI Bldg. H.R.D.I. & ESI Complex,
 जलाना रोड, सेक्टर 16 ए, मोहा - 201301

2 x 800 MW TANGEDCO UPPUR BTG (UNIT 1 & 2)
OXYGEN DOSING SYSTEM
BOQ-CUM-PRICE SCHEDULE (ANNEXURE-I)

FOR INDIAN BIDDER											
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX- WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)		TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)	TOTAL PRICE F.O.R Prices with taxes (INR) (11)
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) = [7X8A]			
BREAK-UP OF SUPPLY PRICES GIVEN IN 2.1 OF MAIN SHEET											
2.1	Prices inclusive of all prevailing taxes, duties and other levies for SUPPLY PART comprising of design (i.e.preparation and submission of drawing/ documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Set	1							
2.1.1	Oxygen dosing skid (including oxygen cylinders mounted on each skid)	84041000	Nos.	4							
2.1.2	Accessories (as described below):-										
2.1.2.1	Injector Assembly	84041000	Nos.	8							
2.1.2.2	15 NB, SS 316, 18 BWG tubing for oxygen dosing	84041000	Meters	400							
2.1.2.3	SS 316 Tube fittings --tees	84041000	Nos.	20							
2.1.2.4	SS 316 Tube fittings --90° elbows	84041000	Nos.	20							
2.1.2.5	Filled oxygen cylinders	84041000	Nos.	64							
2.1.2.6	Rack to hold 32 filled oxygen cylinders	84041000	Nos.	2							
2.1.2.7	Compression fittings	84041000	Nos.	70							
Particulars of bidder / authorised representative											
Name & Designation					Signature	Date	Company Seal				
							 उत्तम प्रबोधिनी (प्री लीमिटेड) / Dy. Manager (PG-I) भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd				

श्री. ए. पी. गावरु गुप्ता
उप प्रबंधक (सी. टी. - I) / Dy. Manager (PG-I)
भारत हेवी इलेक्ट्रिकल लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर, महाराष्ट्र, अंधिकाश्वी प्रबंध
Power Sector, Maharashtra, Andhikashvi Prbandh
पीपीई बिल्डिंग, ए. टी. डी. & ए. एस. कम्प्लेक्स,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

2 x 800 MW TANGEDCO UPPUR BTG (UNIT 1 & 2)
OXYGEN DOSING SYSTEM
BOQ-CUM-PRICE SCHEDULE (ANNEXURE-II)

FOR INDIAN BIDDER											
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX- WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)		TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)	TOTAL PRICE F.O.R Prices with taxes (INR) (11)
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) = [7X8A]			
C&I MANDATORY SPARES (QUANTITY PER UNIT)											
1	Indicators, Recorders, Electrical Metering and Skid Mounted Instruments										
a	For skid mounted instruments	84041000	Nos.	10% of total number of instruments for each type and model or a minimum of one number for each model and type, whichever is more.							
b	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.	84041000	Nos.	10 % of Installed of each type/ model or a minimum of one number for each model and type, whichever is more.							
2	Temperature, Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Process Transmitters, Level & Flow Transmitter for each type, Rotameters, Sight Flow indicators, Temperature, Pressure, Flow & Level Switch, safety & Protection switches, Gauges, Process meters, Junction Boxes, Position Transmitters/ switches, Analyzers, Transducers, or any other instrument etc.	84041000	Nos.	I. 10% of total number of each item offered for each model and type for the project or a minimum of one number, whichever is more. II. 10% of Electronic card/ PCB assembly and power supply card/ module for each type, model & rating of Transmitter, analyzers & Flow meters.							
3	Erection hardware										
a	Instrument valves, manifold, fittings, impulse pipe, impulse tubes, drains pipes.	84041000	Nos.	Ten (10) percent of each type & size installed.							
b	Manifold	84041000	Nos.	Ten (10) percent of each type & size installed.							
c	Fittings	84041000	Nos.	Ten (10) percent of each type & size installed.							
d	Solenoid valve	84041000	Nos.	20 percent or min 2 no. of each type for total qty. of control valves.							
4	Mandatory spares not covered above Sensor/ instrument, analyzers/ special instruments/ Electronic card, instrumentation/ mechanical fittings etc.	84041000	Nos.	10% or 1 no. (whichever is more) of each type.							
Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.											

Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.

Particulars of bidder / authorised representative

Name & Designation	Signature	Date
		Company Seal


गौरव गुप्ता / Gaurav Gupta
 उपाय प्रबंधक (पी जी -1) / Dy. Manager (PG-1)
 भारत हीवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd
 पावर सेक्टर - नरियाजना अभियांत्रिकी प्रबंधन
 Power Sector Project Engineering Management
 पीपीईआई भवन, एच.एन.टी.डी.आई. एड्ड इन्सआई कांफ्लेक्स
 प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
 Plot No. 25, Sec. 16 A, Noida - 201301