

Ref. Enquiry No.: PE/PG/PKI/E-6258/2019

Dated: 05.07.2019

DUE DATE
15 JULY 2019
By 02.00 P.M

Subject :- N.I.T- ENQUIRY FOR TRAVELLING WATER SCREENS (TWS) as per Technical Specification No PE-TS-426-172-N001 (REV. 00) for 1 x 660 MW UPRVUNL TPS Extn.

We are pleased to invite your offers in two parts strictly as per Clause-2.0 of GCC Rev- 06 of the enclosed instructions to bidders via E-procurement (<https://bhel.abcprocure.com>) under mentioned equipment's /system.

BHEL invites offers from reputed Vendors (refer requirements given in this enquiry letter uploaded on E-Procurement Portal (<https://bhel.abcprocure.com>) under Tender Reference for Design, Manufacture, assembly, Inspection and testing at Manufacturer's works, proper packing, and Site Activities (Installation checks, Commissioning, Supervision of erection and Trial Run & Site test) along with mandatory spares complete with all accessories as per the requirements specified in this specification and any other services, etc and delivery to site **TRAVELLING WATER SCREENS (TWS)** for 1 X 660 MW UPRVUNL PANKI TPS as specified/ defined as per tender documents & Technical specification no. PE-TS-426-172-N001 (REV. 0), amendment & agreements till placement of order.

Detailed scope of work & details shall be as per tender documents and other details hosted on above websites.

Sl. NO.	ITEM DESCRIPTION.	Quantity	Delivery
1	TRAVELLING WATER SCREENS (TWS)	As per BOQ cum Price Schedule	As per cl no. 13 below

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be uploaded in e-procurement Portal. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Part-I bids shall be opened at **03.00 P.M** on due date & time through e-procurement Portal.

Note: 1. Detailed tender documents have been uploaded at the following websites.

<https://eprocure.gov.in/cppp/>
<https://bhel.abcprocure.com/EPROC/>
www.bhelpem.com
www.bhel.com

Bidders are requested to upload their best offer on <https://bhel.abcprocure.com> only.

- Terms and Conditions:** - Please refer **GCC (Rev. 06)** which is available on www.bhelpem.com/Tenders.aspx. GST related corrigendum to GCC (Rev. 06) is enclosed and same is to be considered along with (GCC Rev.06). Bidders are requested to go through the same while submitting the offer.
 - Bidders shall upload their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:
 - Part-I: Techno-Commercial Bid:** Comprising of technical offer, Annexure-I of GCC Rev 06, Commercial terms and conditions, unpriced copy of price bid and Annexure-II of GCC Rev 06
 - Part-II: Price Bid:** Containing prices, cost of withdrawal of deviation (As per Annexure-II of GCC Rev 06), to be uploaded, strictly, as per price schedule of BHEL for complete scope of Tender enquiry.
 - Bidders shall submit their offers meeting the requirements of the following tender documents indicated in GCC (Rev. 06) and other Terms and Conditions included in this Enquiry Letter:
 - Bidders to note that following form the part of tender documents:
 - General Conditions of Contract (GCC) Rev 06 comprising of: Instructions to Bidders and General Commercial Terms & Conditions and GST related corrigendum to GCC Rev06
 - Technical Specifications.
 - Technical PQR
 - Price format & Special Conditions of Contract (SCC Rev. 01)
 - Enquiry terms & conditions

श्री प्रकाश यादव, Shri Prakash Yadav
उप प्रबंधक (पी.जी.आई.) / Dy. Manager (PG-III)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रिकी प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई भवन, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
Plot No. 25, Sec. 16 A, Noida - 201301

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4. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
5. Tenders shall be submitted strictly in accordance with the requirements of the above mentioned tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately in Annexure-II of GCC Rev-06 (to be read in conjunction with GST related corrigendum to GCC (Rev. 06) along with reasons for taking such deviations. Any deviations (Technical as well as Commercial) not mentioned in the Annexure-II shall not be considered. Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.06 along with GST related corrigendum to GCC Rev06.
6. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS as per General Conditions of Contracts (GCC, Rev.06), Special Conditions of Contract and Notice Inviting Tender (NIT)" in case of no deviations.
7. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
8. If any bidder has mentioned the term Not Applicable / not required / not quoted in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost by Vendor.
9. In case there is no change in the technical scope and / or specification and / or commercial terms and conditions, the bidder/s shall not be allowed to change his / their price bids after the due date within the validity period.
10. Any other taxes & Duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
11. 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.
12. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment 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).
13. **Delivery Terms: -**

i) For Supply (along with commissioning spares): - Five (05) months from the date of drawing/docs approval in CAT – 1 issued by BHEL/ Customer. The drawings/Documents to be submitted by bidder in the event of order shall be as per cl. No. 9.0 of section IA of technical specification.

Drawings submission shall be complete in all respects with revised drawing submitted incorporating all comments. Any incomplete drawing submitted shall be treated as non-submission with delays to bidder's account. For any clarification/ discussion required to complete the drawings, the bidder shall himself depute his personal to BHEL for across the table discussions/ finalizations/ submissions of drawings.

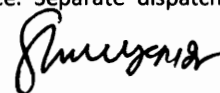
Drawing submission schedules are to be adhered by the bidders and any delay in the same from bidder's end shall be deducted from delivery period indicated from document approval.

The vendor shall be responsible for getting approval from BHEL as early as possible and BHEL will support the process, in full, within above time frame and terms & conditions.

ii) Site Activities (Installation checks, Commissioning, Supervision of Erection & Trial Run and Site test) :- Vendor to depute their representative to site for carrying out all the activities within two weeks of intimation by BHEL. in case of delay in deputation, L.D. shall be leviable @ 0.5% per week of delay on value specified against service portion upto 10% value of service portion. However, total LD shall be within 10% of contract value)

iii) For Mandatory Spares: -

"Delivery shall be 04 months from the date of manufacturing clearance. Separate dispatch/ manufacturing clearance will be issued for mandatory spares.



Ref. Enquiry No.: PE/PG/PKI/E-6258/2019

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14) Payment Terms: -

- Payment terms for Main Supply & Mandatory Spares shall be as per Cl.no. 9.2 & 9.1 of corrigendum to GCC (Rev. 06) respectively.
- Payment terms for **Site Activities** shall be as per Cl. 9.5 of corrigendum to GCC (Rev. 06).

15. All Indian Bidders have to quote freight charges in percentage of their quoted Total Ex-works prices

16. Offers should be submitted separately in two parts **online through e-procurement system only**, however, all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

RAJEEV RANAJN, Dy. Engr, PG-III 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: ranjanrajeev@bhel.in Ph. No. +91-120-4368838; Mob: +919968879839	SHRI PRAKASH YADAV, Dy. Mgr, PG-III 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: spyadav@bhel.in Ph. No. +91-120-4213621, Mob: +919911775641
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17. Overall (%) quantity variation on overall package value due to changes in the scope shall be +/-5% which will prevail over the quantity variation clause no. 6.0 indicated in the GCC rev 06.

18. Evaluation shall be done on overall L1 basis (Total cost to BHEL) excluding GST quoted by bidders (with necessary loading – as applicable) only.

19. If any bidder quoted/indicated freight value as NIL/Inclusive – the freight factor to be consider as “Average of % freight quoted by the bidders in the respective tender and same shall be considered for evaluation purpose.

20. Pre-Qualifying Requirement:

Bidders are requested to furnish the details as per “TECHNICAL PRE-QUALIFYING REQUIREMENTS” (enclosed with the enquiry document). Along with the offer, bidders to furnish all legible & valid documents required as per Technical PQR. The same shall be properly co-relating with respective clause of PQR. Bids of only those bidders, who meet the Technical pre-qualifying requirements, shall be evaluated.

21. Bidder to note that this is a Conditional Open Tender enquiry and the price bid (Part-II) opening/RA participation shall be subject to following conditions: -

- Approval of bidder by End Customer.
- Techno-commercial recommendation by BHEL

Approval shall be taken up by BHEL with customer based on the credentials / reference list. Hence, bidders are requested to submit the following (a part of their credentials) on or before Part-1 opening / due date: -

- Company Profile
- List of projects executed/ on hand for power sectors / Govt. organizations for the subject package.
- Performance Certificates for satisfactory working of the system /equipments.
- Copies of major supply order executed by the vendor.

22. For registration in BHEL PEM – Online registration portal is operational; Non-registered Vendors who wish to apply for registration in BHEL-PEM can 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

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भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रण प्रबंधन
Power Sector-Project Engineering Management
पी.पी.ई.आई. भवन, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर-16, नोडा-201301, यूपी, भारत

Ref. Enquiry No.: PE/PG/PKI/E-6258/2019

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hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted. Above shall be part of NIT.

23. L1 bidder will have to submit BG as per format enclosed with Enquiry Letter (NIT) instead of format mentioned in GCC, Rev.06.
24. CIF content: - Not available for this package. vendor to quote accordingly.
25. PVC is not applicable for this package.
26. "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).

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).

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL i.e. Grand total FOR site excluding GST) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight charges, Insurance charges (if applicable), Cost of withdrawal (if any), including loading (if any), De-loading (if any) shall be done in line with NIT terms

27. Link for RA guidelines to be followed as:
http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf
28. **Risk and Cost Purchase clause:** 5% overhead charges to be considered instead of 30% (presently in GCC Rev 06 clause no 26.2(b)).
29. 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) under of person (s) signing the bid else bid shall be liable for rejection". **Price should be mentioned in figure & words also.**
30. 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.
31. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com., www.bhel.com & <https://bhel.abcpurchase.com>) under subject tender reference. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal are also listed below:

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उप प्रबंधक (पी.जी.एम.) / Dy. Manager (P.G.M.)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना अभियंत्रिकी प्रबंधन
Power Sector-Project Engineering Management
पीपीईआई भवन, एच.आर.डी.आई. एण्ड ईएसआई कॉम्प्लेक्स
PPEI Bldg, H.R.D.I. & ESI Complex,
प्लॉट नं. 25, सेक्टर 16 ए नोएडा - 201301

Ref. Enquiry No.: PE/PG/PKI/E-6258/2019
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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
Prashant Rajyaguru	+91 7940270545	prashant@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	Asst. Manager – Implementation & Support	HO – Ahmedabad

32. All the tender documents shall automatically become a part of the Order/Contract after its finalization.
33. 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 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.
<https://www.bhelpem.com/Documents/BHEL%20Fraud%20Prevention%20Policy%20and%20Nodal%20Officers.pdf>

34. In case of joint bidding, Bidders shall be required to furnish scope matrix which should be clearly defined between foreign bidder and their Indian representative along with the offer for the Main Supply and Erection & Commissioning.
35. "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 the NIT but before finalization of contract/ PO/WO against the 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. Vendors are requested to go through the above mentioned 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.

Further, for implementation of make in India Guidelines & circulars, please note the following;

- Minimum local content for this package is 100% as prescribed by nodal ministry.
- Nature of package is "Not Divisible"
- Margin of Purchase Preference shall be 20%.
- Procedure for preference to Make in India shall be as per clause no. 3-C of public procurement (preference to Make in India), order 2017, dt. 15.06.17 & subsequent order/amendment if any.

36. MSME/Start up Vendors to submit applicable documents along with their offer for availing the benefits as per

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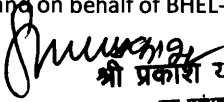
GOI guidelines. Further BHEL-PEM is already registered with RXIL(TReDS) Platform. Bidders are requested to get registered with RXIL(TReDS) Platform to avail the facility as per GOI guidelines.

37. BHEL CONCILIATION SCHEME, 2018 is the part of NIT.
38. 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 website <http://www.bhel.com>.
39. Digital Signature: Bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Basic procedure /checklist is uploaded on www.bhel.com for participating in subject tender enquires through e procurement.
40. All the terms & condition of SCC (Rev. 01) of Project, NIT, GCC (Rev-06) & corrigendum to GCC (Rev. 06) and Technical Specification shall be applicable for subject package
41. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT:-
- Acceptance of GCC Rev-06 and corrigenda to GCC Rev 06
 - Acceptance of Special Conditions of Contract (SCC Rev. 01) for the project.
 - TECHNICAL Pre-Qualifying Requirement (PQR)
 - Technical & Commercial Deviations, if any alongwith Cost of withdrawal.
 - 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.
 - Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price. The actual price is to be filled in separately and submitted in sealed price bid. Wherever GCC Rev06 is mentioned same is to be read in conjunction with GST related corrigendum to GCC (Rev06). Please note all correspondence from BHEL-PEM before part – I opening, shall also be part of NIT.

Thanking you,
Yours faithfully,

For and on behalf of BHEL-PEM


श्री प्रकाश यादव / Shri Prakash Yadav
उप प्रबंधक (पी.जी.आई) / Dy. Manager (PG-III)
Bharat Heavy Electricals Limited.
(Dy. Mgr/PG-III/BHEL-PEM) - परियोजना अभियंत्रिकी प्रबंधन
Power Sector - Project Engineering Management
पीपीईआई भवन, एच आर डी आई. एण्ड ईएसआई कॉम्प्लेक्स

Enclosures: PPEI Bldg. R D.I. & ESI Complex,
प्लॉट नं. 25, एच आर डी आई. एण्ड ईएसआई कॉम्प्लेक्स
Plot No. 25, R D.I. & ESI Complex, 16 A, Noida - 201301

- Enquiry Terms & Conditions
- BOQ cum Price Format (Prices should be quoted in this format only)-
- Technical Specifications no. PE-TS-426-172-N001 (REV. 0).
- SCC (Rev 01)
- Performance Bank Guarantee format.
- GCC (Rev. 06) & corrigendum to GCC (Rev.06).
- TECHNICAL Pre-Qualifying Requirement (PQR)
- Reverse Auction Guideline 2016.
- Cost of withdrawal (Deviations Sheet) for technical and commercial
- BHEL CONCILIATION SCHEME, 2018

**PROJECT :- 1 X 660 MW UPRVUNL PANKI TPS EXTN.
PACKAGE :- TRAVELLING WATER SCREEN (TWS)
ENQUIRY No. :- PE/PG/PK/E-6258/2019 Dtd. 05.07.2019**

BOQ-CUM-PRICE SCHEDULE												
	DESCRIPTION OF EQUIPMENT / ITEM FOR TRAVELLING WATER SCREEN (TWS)	HSN/ SAC code	QTY	UNIT	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES @ OF EX WORKS PRICE (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
SL. NO.		1	2	3	4	5	6	7	8	9	10	11
1.0	Total price for design, manufacture, assembly, inspection, testing, packing for transportation and delivery, including mandatory spares, Supervision at Critical Erection Stages, final check up of installation, commissioning, trial run and Site testing of two (2) sets of TWS complete in all respect including all accessories & auxiliaries as specified in technical specification/NIT and as necessary including mandatory spares, commissioning spares of TWS including special tools & tackles (as required) for erection & maintenance.											
Break up of 1.0 from 1.1 to 1.5)												
1.1	Unit price for design, manufacture, assembly, inspection, packing for transportation and delivery complete in all respects including all accessories and equipment as specified in technical specification/NIT and as necessary including commissioning spares, special tools & tackles (as required) for erection and maintenance of Travelling Band Screen, compete with all accessories excluding of SI. No. 1.2, 1.3, 1.4 & 1.5.	8421	2	Sets								
1.2	Lumpsum price of complete Spray wash system consisting of pumps, self-cleaning strainers, spray wash headers, valves, debris disposal baskets etc	8421	1	Set								
1.3	Lump sum price of complete controls and instrumentation including starter cum switchgear panels, level transmitters etc.	8421	1	Set								
1.4	Lump sum price for following activity of TWS:											
1.4 a	Supervision during critical stages of Erection	99833	2	Sets								
1.4 b	Final installation checks before commissioning	99833	2	Sets								
1.4 c	Commissioning of Travelling Band Screen and its accessories	99833	2	Sets								
1.4 d	Trial run and Site Testing	99833	2	Sets								
1.5	Lump sum price of Mandatory Spares as per Annexure-A	8421	1	LOT								
TOTAL												
a) Total price of Unit prices given above at sl. No. 1.1 plus sl. No. 1.2 plus sl. No. 1.3 plus sl. No. 1.4 plus sl. No. 1.5 should tally with total price given in Sl. No. (1) of Price format												
b) Unit price quoted by bidder, as above, shall be binding for any quantity variation, which is at discretion of purchaser												
c) Price of commissioning & erection spares and other accessories not listed above shall be included in price of equipment & shall be supplied with the equipment.												
d) Indicate all taxes, duties etc. stating whether included/ excluded in above prices.												

श्री प्रकाश यादव / Shri Prakash Yadav
 उप प्रबंधक (पी जी ई) / Dy. Manager (PG-III)
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर—परियोजना अभियंत्रित प्रबंधन
Power Sector-Project Engineering Management
 पीपीईआई भवन, एच.एच.ई. एंड एस्सी कॉम्प्लेक्स
 PPEI Bldg. H.H.E. & ESI Complex,
 प्लॉट नं. 25, सेक्टर 16 ए, नोएडा - 201301
 Plot No. 25, Sec. 16 A, Noida - 201301

**PROJECT :- 1 X 660 MW UPRVUNL PANKI TPS EXTN.
PACKAGE :- TRAVELLING WATER SCREEN (TWS)- MAND. SPARES
ENQUIRY No. :- PE/PG/PKI/E-6258/2019 Dtd. 05.07.2019**

BOQ-CUM-PRICE SCHEDULE FOR TRAVELLING WATER SCREEN (TWS)		HSN Code	UNIT	QTY	UNIT PRICE (EX-WORKS) (Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	FREIGHT % OF TOTAL EX-WORKS PRICE	FREIGHT CHARGES @...OF EX-WORKS PRICE	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX-WORKS + FREIGHT) (Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
Sl nos.	Item Description (Mandatory Spares For TWS)											
1	Measuring Instruments	1	2	3	4	5	6	7	8	9	10	11
1.1	Temperature Transmitters and Electronic Transmitters of all type, range and model no. (For Pressure, DP, Temp, Flow, Level), Process Transmitters, Radar type level transmitter, 3D type level Transmitter with local display, Magnetic/Electromagnetic flow meter with local display, mass flow meter with local display, Process meters, Junction Box, Position Transmitter, Transducer or any other instrument etc.	8421	Nos.	10% of total number of instruments/transducers offered for each model and type, rating or a minimum of one number for each model, rating and type, whichever is more								
1.2	Differential pressure Switches	8421	Nos.	5% of total nos. or 1 no. of each make, model, range and type whichever is more								
1.3	Pressure switches	8421	Nos.	5% of total nos. or 1 no. of each make, model, range and type whichever is more								
1.4	Flow switches	8421	Nos.	5% of total nos. or 1 no. of each make, model, range and type whichever is more								
1.5	Level Switches	8421	Nos.	5% of total nos. or 1 no. of each make, model, range and type whichever is more								
1.6	Local Gauges like temperature gauges, pressure gauges, differential Pressure gauges, flow gauges, flow meters with local display etc.	8421	Nos.	10% of total number of instruments/transducers offered for each model and type, rating or a minimum of one number for each model, rating and type, whichever is more								
2	415 V Motors											
2.1	Terminal plates	8421	Nos.	10 Nos. each for small motors upto 30 KW & 4 Nos. each for more than 30 KW								
2.2	Heaters	8421	Sets	2 sets								
2.3	Greasing arrangements	8421	Sets	4 sets each type of motor								
2.4	Motor of each type and rating	8421	nos.	10% of the installed quantity or minimum 1 number whichever be higher								
2.5	Bearings (DE and NDE) for each type and rating of motors.	8421	sets	4 sets								
2.6	Stator winding coils for all type of LT motors	8421	sets	One (1) set								
2.7	Dust seals and gaskets for each type of motors	8421	sets	Three (3) sets								
Note												

1. "List of Measuring Instruments as specified with individual system/ sub-system shall be applicable for the respective system. Spare list of measuring instruments which are not mentioned/specified exclusively in the list of spares.

2. Spares not applicable for the Package to be specifically quoted as "NOT APPLICABLE".

3. In case if such items of spares indicated as "not applicable" by bidder in its offer, are found applicable at a later date during execution of the project, such items of spares are to be supplied within the ordered cost of the mandatory spares.

4. Wherever % is indicated for the mandatory spares, the quantity shall be calculated for % of supply for total quantity for station, unless otherwise specified. The quantity to be reckoned for % indicated shall be rounded off to the next higher whole number. For example if the % arrived is 0.2 the quantity to be supplied shall be 1 and if the % arrived is 5.1 the quantity to be supplied shall be 6.

5. In respect of quantity mentioned as "Set" means the total quantity of all the components/items used in particular equipment unless otherwise specified.

श्री प्रकाश यादव / श्री प्रकाश यादव

उप प्रबंधक (पी.जी.डी.) / Dy. Manager (PG-III)

भारत होम इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

पावर सेक्टर-परियोजना अभियंत्रित्वी प्रभाग

Power Sector-Proj. अभियंत्रित्वी प्रभाग

पीपीईआई भवन, एच.आर.डी. ऑफिस, एच.आर.डी. कॉम्प्लेक्स

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