



Ref. Enquiry No.: PE/PG/NSP/E-5474/2016
Dated: 10.02.2017

DUE DATE
06.03.2017
BY 10.00AM

SUBJECT: TENDER ENQUIRY FOR DC LEAD ACID/Ni-Cd BATTERIES AS PER TECHNICAL SPECIFICATION NO. PE-TS-427-508-E001 FOR 1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

Our Ref: TENDER ENQUIRY NO: PE/PG/NSP/E-5474/2016, DTD-10.02.2017

Dear Sir/ Ma'am,

We are pleased to invite your offer in two parts strictly as per Clause-2.0 of the enclosed "Instructions to Bidders" & Clause no-3 & 4 of NIT in quintuplicate, in sealed covers for the under mentioned equipment/system.

SCOPE	BHEL INVITES OFFERS FROM REPUTED VENDORS (REFER PREQUALIFICATION REQUIREMENT AND OTHER REQUIREMENTS GIVEN IN TENDER ENQUIRY LETTER UPLOADED ON OUR WEBSITES) FOR DESIGN, MANUFACTURING, ASSEMBLY, INSPECTION AND TESTING AT MANUFACTURER'S/SUB VENDOR'S WORKS, PROPER PACKING FOR TRANSPORTATION, SUPPLY/DELIVERY TO PROJECT SITE AT FOR SITE (ROURKELA) ON FREIGHT PRE-PAID BASIS OR C&F (INDIAN PORT) BASIS AND SUPPLY OF E&C SPARES, AND SUPERVISION OF E&C OF DC BATTERY PACKAGE INCLUDING ALL ACCESSORIES & AUXILIARIES IN LINE WITH DRAWINGS/ DOCUMENTS/ TEST PROCEDURES APPROVED BY BHEL/CUSTOMER AND AS REQUIRED FOR THE TOTAL SCOPE DEFINED AS PER BHEL TECHNICAL SPECIFICATION NO. PE-TS-427-508-E001 REV 00 FOR 1 X 250 MW NSPCL ROURKELA PP-II EXPANSION
PROJECT	1 X 250 MW NSPCL ROURKELA PP-II EXPANSION
PACKAGE	DC LEAD ACID/Ni-Cd BATTERIES
QTY	AS PER BOQ GIVEN IN TECH. SPEC

Your best quotation/offer for the above requirement, in line with our terms and conditions, should either be delivered in person or sent by **COURIER/REGISTERED POST**, to the official inviting tender (s). It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the due date by 10.00AM. Part-I bids shall be opened at 11.30AM on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Note:-

1. Please note that Part Supplies offered for Project shall disqualify the bidder's offer.
2. Documents and Credential as per Technical PQR, Techno Commercial Bids and Price Bids should be submitted separately in separate envelopes.
3. Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loading as applicable. Incomplete offer or offer for part of NIT BOM/BOQ shall be summarily rejected.

TERMS AND CONDITIONS: - Please refer GCC Rev-06 which is available on www.bhhelpem.com. You are requested to kindly download the same.

John
10/2

MR SUMEET SAHAY
SR ENGR/PG-I-2
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
(OFF) 0120-4213532, 09999498202

Regd. Office:
BHEL House
Siri Fort
New Delhi-110049



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TERMS AND CONDITIONS

1. INSTRUCTIONS REGARDING CENTRALISED TENDER ROOM:-

- Vendors are advised to submit the tenders in the tender box, containing Part-I & II offers in separate covers, preferably cloth lined envelopes should be used, properly marked before due date and time.
- The dispatch department shall not accept any tender in torn condition and shall return the same to the courier immediately with the Stamping "Returned to Sender-Package Damaged". Offers in damaged condition will not be considered and no request for extension on this account will be considered.
- Bidder's representative shall deposit the offer in tender box only.
- Bidders shall be allowed in the tender room in area identified for bidders and only one authorized representative from each bidder shall be allowed.
- Bidder shall not be allowed to carry mobile/camera/ laptop in the tender room. The same shall have to be deposited at security in advance and taken back after tender opening.
- 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.
- Please ensure tender submission, minimum 1 hour before scheduled tender opening time. Late tenders shall not be accepted.

2. Enquiry No., due date etc. must be legibly superscribed on the sealed envelopes as per clause no. 2.0 of "Instructions to Bidders".

3. Offers should be submitted in two parts in Two separate sealed covers as follows:

- Part-I Bid :- Documents and Credential as per Technical PQR and Techno-Commercial offer
- Part II Bid :- Price Bid

4. Following terms and conditions will be made part of NIT:-

- Bidders to submit all documents concerning PQR (Technical), Techno-commercial offer along with the un-priced price bid and un-priced schedule of Technical-Commercial Deviation in a sealed envelope superscripted with heading "Part-I Bid – Technical PQR and Techno-Commercial Offer".
- Bidders to submit their Price Bid and Priced schedule of Technical-Commercial Deviation in a sealed envelope superscripted with heading "Part-II Bid – Price Bid".
- Part I bid will be opened on date & time mentioned in the NIT or subsequent corrigenda/amendments, if any.
- Techno-commercial offer of only those bidders shall be evaluated who will meet the Technical pre-qualifying requirement of the tender.

Credentials of the bidders meeting the prequalifying requirements shall be taken up with customer for approval.

- After finalization of Techno-commercial evaluation, offers of BHEL and Customer approved vendors who have qualified in the Techno-commercial evaluation shall be considered for Price Bid Opening/RA.

5. Bidders shall submit their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:

- ANNEXURE-I of GCC Rev. 06: Letter to be furnished by the Bidders.

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- **DEFINITION OF TERMS.**
- **Volume-I:** Comprising i) **Part-A:** Instructions to Bidders, ii) **Part-B:** General Commercial Terms & Conditions and iii) Special Conditions of Contract, if applicable.
- **Volume-II:** Comprising i) **Part-A:** General Technical Conditions and, ii) **Part-B:** Technical Specification.
- **Volume-III:** Schedules and Data Sheets.

All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.

6. Vendors shall quote in accordance with the requirements mentioned in the tender documents. In case of deviations (Technical/ Commercial), the same shall be highlighted separately giving Clause references along with the Cost of withdrawal of Deviations as per Annexure-II to GCC Rev 06 of "DEVIATION SHEET (COST OF WITHDRAWAL)" along with reasons for taking such deviations

Bidder to note all the points mentioned in "Notes" of Annexure-II to GCC Rev 06

7. **Please note the following:**
- a. Price format is enclosed for compliance.
 - b. SCC enclosed for compliance.
 - c. GCC enclosed for compliance.
8. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents.
9. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
10. Validity of offer shall be as per Clause No. 7.0, "Instructions to Bidders" of GCC Rev 06.
11. Unsolicited fresh/revised Price Bids shall not be entertained.
12. 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.
13. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be despatched to the Project site/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Despatch Clearance Certificate (MDCC)
14. Late tenders will be rejected.
15. Tenders and all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

Mr. SUMEET SAHAY, SR ENGR, PG-I-2
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
Kind Attn: SUMEET SAHAY/ PG-I-2
E-MAIL: sumeetsahay@bhelpem.co.in
Ph. No. 0120-4213532, 09999498202

Mr. SANJAY KUMAR DUBEY, SR MANAGER, PG-I-2
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
Kind Attn: SANJAY KUMAR DUBEY / PG-I-2
E-MAIL: skdubey@bhelpem.co.in
Ph. No. 0120- 4213635, 8800377855

MR SUMEET SAHAY
SR ENGR/PG-I-2
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16. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.
17. **Delivery:**

For Main Supply: - Six (06) months from date of Drg/Doc approval in CAT I

Bidder to submit drawings/documents as per Annexure IV of Sec I Vol II of Technical Specification PE-TS-427-508-E001 and Annexure A to NIT within 2 weeks from date of PO. Vendor to re-submit documents within 10 days, taking care of all the comments of BHEL

Delivery for Electrolyte (Sulphuric Acid) shall be within one month from date of BHEL clearance by BHEL PEM.

Delivery for Supervision of E&C – Vendor to depute their engineer within 15 days from site intimation.
18. Prices shall be firm.
19. **PRE-QUALIFICATION REQUIREMENT: -**

Bidders will be asked to fill up the details in "TECHNICAL PRE-QUALIFYING REQUIREMENT" as per the conditions mentioned in the PQR and also to submit the credentials.

Bids of only those bidders shall be evaluated who meet the Technical pre-qualifying requirements (if applicable). Credentials of the bidders meeting the prequalifying requirements shall be taken up with customer for approval. Price Bid of only BHEL and customer approved vendors shall be opened.
20. **Bidder to note for compliance that this is conditional enquiry, the price bid (Part-II) opening/RA is subjected to**

a) Approval of bidder by the BHEL PEM.
b) Approval of bidder by Customer. Same shall be taken up by us with customer based on the credentials/reference list. So vendors to submit the credentials before Part-I opening or along with their offer.
21. Bidders have to quote freight charges in percentage of their quoted ex-works prices for Indigenous items.
22. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS AS PER GCC (06), SCC (REV 0) AND NIT". In case of deviations, bidder to clearly mention the same with their techno-commercial offer as per Point No-6 of NIT.
23. All the above Tender Documents shall automatically become a part of the Order/Contract after its finalization.
24. The offers of the bidders who are on the banned list as also the offer 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.
25. "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."

BHEL Fraud prevention policy is also uploaded in vendor's section on www.bhelpem.com.
26. Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.

MR SUMEET SAHAY
SR ENGR/PG-I-2
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27. All corrigenda, addenda, amendments, time extensions, clarifications, etc to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.bhelpem.com) only. Bidders should regularly visit websites to keep themselves updated.
28. CIF allocation is applicable for this tender. Bidder to quote accordingly.
29. Bidders to submit their offers strictly in line with the enclosed price format.
30. Inspection shall be done by BHEL/ END CUSTOMER/Third party Agency (finalized by BHEL).
31. May please find the copy of our GCC (Rev 06) on our website www.bhelpem.com.
32. Any other taxes & duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
33. Foreign & indigenous bidders participating through open/limited tender will necessarily have to but class III DSCs issued by the certifying authorities in India. Basic procedure/ checklist is uploaded on www.bhel.com.
34. Non- registered bidder to submit the credentials required for Registration in BHEL PEM: -

"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."

35. 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).

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, same are applicable for subject tender.

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36. If any bidder has mentioned the term Not Applicable / Not required / Not Quoted in BHEL price format. The bidder needs to substantiate the same. If the same item will be required in future for the system same will be supplied free of cost.
37. Foreign Suppliers & Indian agents of foreign suppliers: Please refer our website <http://www.bhelpem.com/Tenders.aspx> for details.
38. Foreign bidders quoting along with their Authorised Indian associates to comply with BHEL corporate circular AA:MM:AGENCY dated 06th August 2010 for the guidelines regarding dealings with Indian agents of Foreign bidders (as enclosed).
39. L1 bidder will have to submit BG as per format mentioned in Annexure B to NIT instead of format mentioned in GCC Rev 06
40. Foreign bidders will have to quote C & F (cost & freight) basis instead of FOB.
For importing materials on C&F basis, bidders to note following:
- A) 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.
 - B) Usance period (90 days) of the L/C shall start from the date of Bill of lading/Air Way Bill.
 - C) Bill of Lading shall be considered as equivalent document (refer clause 9.7.1 b OF GCC rev-06) for recognition of dispatch.
 - D) 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)
 - E) Freight is to be quoted as inclusive in basic price by vendor and is not to be quoted separately.
 - F) Insurance for evaluation purposes shall be @ 0.1 % of quoted C&F price.
 - G) There will be no change in MRC payment.
41. Please note that for technical bid, detailed offers are to be submitted including the following along with the Price schedule as per BHEL format enclosed with NIT:-
- Acceptance of GCC Rev-06.
 - Acceptance of Special Conditions of Contract
 - Duly filled, signed & stamped Annexure-I of GCC Rev-06
 - GA Drawings, if any.
 - Guarantee Clause – As per (General Conditions of Contract) GCC, Rev. 06
 - Pre-qualifying Requirement (PQRs) - TECHNICAL PQR
 - Technical Deviations and Commercial Deviation, if any as per format enclosed at Annexure-II of GCC Rev 06
 - 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.
 - Separate sealed price-bid envelope mentioning name of the project/package in BOLD LETTER on the top of each envelope.

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**Project
Engineering
Management**

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)



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Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price given in sealed price bid.

Thanking you,
Yours faithfully,
For and on behalf of BHEL

(Signature of official with Name & Designation)

सुमीत सहाय / SUMEET SAHAY
वरिष्ठ अभियन्ता (पी.जी.-1-2) / Sr. Engineer (PG-I-2)
भारत भारी इलेक्ट्रिकल्स लिमिटेड, Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16ए, नोइडा-201 301
Plot No. 25, Sector -16A, Noida-201 301

Enclosure:

1. Enquiry Terms & Conditions
2. Price Format (Prices should be quoted in this format only)
3. Techno-Commercial Deviation Sheet (Annexure-II to GCC Rev 06)
4. BOQ & Technical Specifications
5. SCC of the project
6. Technical PQR
7. Cost of Withdrawal sheet, if applicable

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BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT

ANNEXURE A TO NIT REF NO- PE/PG/NSP/E-5474/2016 DTD-10.02.2017
DOCUMENTS SUBMISSION SCHEDULE

SL. No.	DOCUMENT TITLE	DWG. / DOCUMENT No.	SUBMISSION SCHEDULE
1	Data Sheet for battery	PE-V0-427-508-E201	Within two weeks from the date of LOI
2	Battery sizing calculation (Including battery catalogues, curves etc)	PE-V0-427-508-E202	Within two weeks from the date of LOI
3	Fault calculation & Connector sizing calculation	PE-V0-427-508-E203	Within two weeks from the date of LOI
4	General Arrangement drawing for Battery	PE-V0-427-508-E204	Within two weeks from the date of LOI
5	Bill of Material for the battery	PE-V0-427-508-E205	Within two weeks from the date of LOI
6	List of Mandatory Spares for battery	PE-V0-427-508-E206	Within two weeks from the date of LOI
7	O & M manual for battery	PE-V0-427-508-E207	Within one week after conduction of Type test
8	Field Quality Plan for battery	PE-V0-427-508-E208	Within two weeks from the date of LOI
9	Type test reports for the battery	PE-V0-427-508-E209	Within one week after conduction of Type test
10	Cable Termination arrangement for battery terminal	PE-V0-427-508-E210	Within two weeks from the date of LOI
11	Quality Plan for battery	PE-V0-427-508-E211	Within two weeks from the date of LOI
12	Battery room lay out	PE-V0-427-508-E212	Within two weeks from the date of LOI



सुमीत सहाय/SUMEET SAHAY
वरिष्ठ अभियन्ता (पी.जी.-1-2)/Sr. Engineer (PG-I-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड/Bharat Heavy Electricals Ltd.
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
Power Sector-Project Engineering Management
प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 301
Plot No. 25, Sector-16A, Noida-201 301



ANNEXURE - IA TO NIT REF NO-PE/PG/INSPIE-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- LEAD ACID BATTERY

FOR INDIAN BIDDERS										FOR FOREIGN BIDDERS			
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)
A	220V BATTERY												
A.1	BREAK UP DETAIL for 220V BATTERY 1		508-14001-A	Set	2	For MAIN PLANT BATTERY							
A.1.1	220V , Lead acid plante battery suitable For MAIN PLANT as per Annexure-III (Load duty cycle) (1 set comprises 107 nos cell)		Sets	2									
A.1.2	Electrolyte (sulphuric acid for first filling plus10% extra)		Sets	2									
A.1.3	Teakwood racks with 3 coats of anti acid paints for 220V DC Battery		Sets	2									
A.1.4	Stand insulators plus 5% extra		lot	2									
A.1.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2									
A.1.6	Lead coated connection hardware plus 5% extra		lot	2									
A.1.7	Cell numbering tags with fixing arrangement (1set)		lot	2									
A.1.8	Teakwood Cable clamps with hardware		lot	2									
A.1.9	SUB TOTAL OF (A.1)												
A.2	BREAK UP DETAIL for 220V BATTERY 2		508-14002-A	Set	2	For MAKEUP WATER PH BATTERY							
A.2.1	220V , Lead acid plante battery for MAKEUP WATER PH suitable as per Annexure-III (Load duty cycle) (1 set comprises 107 nos cell)		Sets	2									
A.2.2	Electrolyte (sulphuric acid for first filling plus10% extra)		Sets	2									
A.2.3	Teakwood racks with 3 coats of anti acid paints for 220V DC Battery		Sets	2									
A.2.4	Stand insulators plus 5% extra		lot	2									
A.2.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2									

For MAIN PLANT BATTERY

For MAKEUP WATER PH BATTERY

Handwritten signature



ANNEXURE - IA TO NIT REF NO-PE/PG/INSP/E-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- LEAD ACID BATTERY

FOR INDIAN BIDDERS										FOR FOREIGN BIDDERS			
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)
A.2.6	Lead coated connection hardware plus 5% extra		lot	2									
A.2.7	Cell numbering tags with fixing arrangement (1set)		lot	2									
A.2.8	Teakwood Cable clamps with hardware		lot	2									
A.2.9	SUB TOTAL OF (A.2)												
A.3	BREAK UP DETAIL for 220V BATTERY 3	508-14003-A	Set	2									
A.3.1	220V , Lead acid plante battery for PT PLANT suitable as per Annexure-III (Load duty cycle) (1 set comprises 107 nos cell)		Sets	2									
A.3.2	Electrolyte (sulphuric acid for first filling plus 10% extra)		Sets	2									
A.3.3	Teakwood racks with 3 coats of anti acid paints for 220V DC Battery		Sets	2									
A.3.4	Stand insulators plus 5% extra		lot	2									
A.3.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2									
A.3.6	Lead coated connection hardware plus 5% extra		lot	2									
A.3.7	Cell numbering tags with fixing arrangement (1set)		lot	2									
A.3.8	Teakwood Cable clamps with hardware		lot	2									
A.3.9	SUB TOTAL OF (A.3)												
A.4	LIST OF ACCESSORIES (for each set of battery)												
A.4.1	Interconnector bolt wrenches		Nos	1									
A.4.2	Hydrometer (in step of 0.005)		Nos	1									
A.4.3	Set of hydrometer syringes (suitable for the vent holes in different cells)		Nos	1									
A.4.4	Specific gravity correction chart		Nos	1									

For MAIN PLANT BATTERY, MAKEUP WATER PH BATTERY & PT PLANT BATTERY

July 10/12



ANNEXURE - IA TO NIT REF NO-PE/PG/INSPIE-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- LEAD ACID BATTERY

FOR INDIAN BIDDERS										FOR FOREIGN BIDDERS			
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)
A.4.5	Thermometer with plug & cap, specific gravity correction scale (for measuring electrolyte temperature)		Nos	1									
A.4.6	Wall mounting type holder made of teak wood for hydrometer and thermometer		Nos	1									
A.4.7	Digital Cell testing voltmeter (3-0-3V) with leads		Nos	1									
A.4.8	Acid Resistance Funnel		Nos	1									
A.4.9	Acid Resistance jug of adequate capacity		Nos	1									
A.4.10	Rubber apron		Nos	1									
A.4.11	Pair of rubber hand gloves		Nos	1									
A.4.12	Set of insulated spanners		Nos	1									
A.4.13	Cell lifting straps		Set	1									
A.4.14	'No smoking' notice		Nos	1									
A.4.15	Bridging clamps		set	1									
A.4.16	Goggles (industrial)		Nos	1									
A.4.17	Instruction card		Nos	4									
A.4.18	Pocket Thermometer (digital Type)		Nos	1									
A.4.19	First aid box		Set	1									
A.4.20	Cable clamps with fixing hardware		set	1									
A.4.21	PVC Spill tray under battery set		Nos	1									
A.4.22	Battery log book		Nos	1									
A.4.23	Battery Cell (Uncharged, Dry), with same capacity as Battery Bank		Nos	6									
A.4.24	SUB TOTAL OF (A.4)												
A.5	TOTAL OF A i.e. (A.1.9+A.2.9+A.3.9+A.4.24)												

Signature



ANNEXURE - IA TO NIT REF NO-PE/PG/NSPIE-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- LEAD ACID BATTERY

FOR INDIAN BIDDERS														FOR FOREIGN BIDDERS	
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)		
B	Battery health monitoring system-BHMS (Including all hardware, software, cables required for connecting the battery cells to BHMS and BHMS to Switchgear SCADA Refer Section II for details) (One No. suiting Each supplied Battery)		lot	6											
C	E & C SPARES	508-14010-A										FOR MAIN PLANT BATTERY, MAKEUP WATER PH BATTERY & PT PLANT BATTERY			
C.1	GLOVES		SET	6											
C.2	VENT PLUGS		Nos	15											
C.3	Intercell connectors		Nos	15											
C.4	SUB TOTAL PRICE OF C i.e. (C.1+C.2+ C.3)														
D	SUPERVISION OF E&C	508-11025-A													
D.1	LUMP SUM CHARGES PER VISIT FOR ENGINEER (EXCEPT DAILY CHARGES)		VISIT	1											
D.2	LUMP SUM DAILY CHARGES FOR ENGINEER		DAYS	4											
D.3	SUB TOTAL PRICE OF D i.e. (D.1 & D.2)														
E	TOTAL LUMP SUM PRICE OF (A.5+B+C.4+D.3)														

Notes:-

- Bidders to quote either for Lead Acid or for Ni-Cd Battery.
- Bidder to note that total price indicated above at E shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.
- Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.
- For any clarification please refer Technical Specification No- PE-TS-427-508-E001.
- AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. D.1 ABOVE + (DAILY CHARGES AS PER SL. NO. D.2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).
- THE VISIT CHARGES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/TRAIN FARE , BOARDING/LODGING, LOCAL CONVEYANCE, MEDICAL , INSURANCE ETC.
- COPPER LUGS FOR CABLE TERMINATION AT BATTERY TERMINALS SHALL BE IN BIDDER'S SCOPE & CABLE SIZES SHALL BE INFORMED DURING DETAILED ENGINEERING.
- Indian Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works).
- Bidders to note that price at A.1.2, A.2.2 & A.3.2 should be quoted separately and should not be included in main price.

सुमीत साहय / SUMEET SAHAY

पारिषद अभियंता (पी.जी.एन-2) / Sr. Engineer (PG-N-2)

भारत भारी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

पावर सेक्टर-परियोजना इजीनियरिंग प्रबंधन

Power Sector - Project Engineering Management

प्लॉट नं.-25, सेक्टर-16 ए, नोएडा-201 301

Plot No. 25, Sector-16A, Noida-201 301



ANNEXURE - IB TO NIT REF NO-PE/PG/NSP/E-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- Ni-Cd BATTERY

FOR INDIAN BIDDERS													FOR FOREIGN BIDDERS	
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)	
A	220V BATTERY													
A.1	BREAK UP DETAIL for 220V BATTERY 1	508-14001-A	Set	2										
A.1.1	220V , Ni-Cd battery suitable as per Load Duty Cycle For MAIN PLANT (Annexure-III) (1 set comprises 170 nos. cell)		Sets	2										
A.1.2	Electrolyte (For first filling plus10% extra)		Sets	2										
A.1.3	MS racks with 3 coats of anti alkali paints for 220V DC Battery		Sets	2										
A.1.4	Stand insulators plus 5% extra		lot	2										
A.1.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2										
A.1.6	Nickel coated connection hardware plus 5% extra		lot	2										
A.1.7	Cell numbering tags with fixing arrangement (1set)		lot	2										
A.1.8	SUB TOTAL OF (A.1)													
A.2	BREAK UP DETAIL for 220V BATTERY 2	508-14002-A	Set	2										
A.2.1	220V , Ni-Cd battery suitable as per Load Duty Cycle for MAKEUP WATER PH(Annexure-III) (1 set comprises 170 nos. cell)		Sets	2										
A.2.2	Electrolyte (For first filling plus10% extra)		Sets	2										
A.2.3	MS racks with 3 coats of anti alkali paints for 220V DC Battery		Sets	2										
A.2.4	Stand insulators plus 5% extra		lot	2										
A.2.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2										
A.2.6	Nickel coated connection hardware plus 5% extra		lot	2										
A.2.7	Cell numbering tags with fixing arrangement (1set)		lot	2										
A.2.8	SUB TOTAL OF (A.2)													
A.3	BREAK UP DETAIL for 220V BATTERY 3	508-14003-A	Set	2										
A.3.1	220V , Ni-Cd battery suitable as per Load Duty Cycle for PT PLANT(Annexure-III) (1 set comprises 170 nos. cell)		Sets	2										
For PT PLANT BATTERY														
For MAKEUP WATER PH BATTERY														
For MAIN PLANT BATTERY														

July 2017



ANNEXURE - IB TO NIT REF NO-PE/PG/NSP/E-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- NI-Cd BATTERY

FOR INDIAN BIDDERS													FOR FOREIGN BIDDERS	
SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/IEI (INR)	SERVICE TAX @ % (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)	
A.3.2	Electrolyte (For first filling plus 10% extra)		Sets	2										
A.3.3	MS racks with 3 coats of anti alkali paints for 220V DC Battery		Sets	2										
A.3.4	Stand insulators plus 5% extra		lot	2										
A.3.5	Cell interconnectors with 5% extra and end take-off with one no. extra		lot	2										
A.3.6	Lead coated connection hardware plus 5% extra		lot	2										
A.3.7	Cell numbering tags with fixing arrangement (1set)		lot	2										
A.3.8	SUB TOTAL OF (A.3)													
A.4	For MAIN PLANT BATTERY, MAKEUP WATER PH BATTERY & PT PLANT BATTERY													
A.4.1	Mercury in chemical glass Thermometer (0 - 100 deg C)		Nos	1										
A.4.2	Copper Cell Connector		Nos	5										
A.4.3	Alkali resistance funnel		Nos.	1										
A.4.4	Alkali Resistance jug of 2 L capacity		Nos	1										
A.4.5	Rubber Syphon		Nos	1										
A.4.6	Rubber apron		Nos	1										
A.4.7	Pair of rubber hand gloves		Nos	4										
A.4.8	Bridging Clamp for cutting out individual cells in the event of defect.		Nos.	1										
A.4.9	Cell testing digital voltmeter (2-0-2V) with testing leads		Nos	1										
A.4.10	Set of insulated spanners		Nos	1										
A.4.11	Goggles (Industrial)		Nos	1										
A.4.12	Instruction card		Nos	4										
A.4.13	Battery log book		Nos	1										

9/12/17



ANNEXURE - IB TO NIT REF NO-PE/PG/NSP/E-5474/2016, DTD-10.02.2017

1 X 250 MW NSPCL ROURKELA PP-II EXPANSION

PRICE SCHEDULE FOR DC BATTERY - PACKAGE

MAIN SUPPLY- Ni-Cd BATTERY

SL NO	ITEM DESCRIPTION/SERVICE	ITEM CODE	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /IE/II (INR)	SERVICE TAX @ (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	FOR FOREIGN BIDDERS	
												UNIT C & F PRICE (CURRENCY)	TOTAL C & F PRICE (CURRENCY)
A.4.14	'No smoking' notice		Nos	2									
A.4.15	First aid box		Set	1									
A.4.16	Cable clamps with fixing hardware		set	1									
A.4.17	PVC Spill tray under battery set		Nos	1									
A.4.18	SUB TOTAL OF (A.4)												
A.5	TOTAL OF A i.e. (A.1.8+A.2.8+A.3.8+A.4.18)												
B	Battery health monitoring system-BHMS (Including all hardware, software, cables required for connecting the battery cells to BHMS and BHMS to Switchgear SCADA Refer Section II for details) (One No. suiting Each supplied Battery)		lot	6									
C	E & C SPARES	508-14010-A										For MAIN PLANT BATTERY, MAKEUP WATER PH BATTERY & PT PLANT BATTERY	
C.1	GLOVES		SET	6									
C.2	VENT PLUGS		Nos	15									
C.3	Inter-cell connectors		Nos	15									
C.4	SUB TOTAL PRICE OF C i.e. (C.1+C.2+ C.3)												
D	SUPERVISION OF E&C	508-11026-A											
D.1	LUMP SUM CHARGES PER VISIT FOR ENGINEER (EXCEPT DAILY CHARGES)		VISIT	1									
D.2	LUMP SUM DAILY CHARGES FOR ENGINEER		DAYS	4									
D.3	SUB TOTAL PRICE OF D i.e. (D.1 & D.2)												
E	TOTAL LUMP SUM PRICE OF (A.5+B+C.4+D.3)												

Notes:-

- Bidders to quote either for Lead Acid or for Ni-Cd Battery.
- Bidder to note that total price indicated above at E shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed.
- Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.
- For any clarification please refer Technical Specification No- PE-TS-427-508-E001.
- AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE = VISIT CHARGES AS PER SL. NO. D.1 ABOVE + (DAILY CHARGES AS PER SL. NO. D.2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).

6. THE VISIT CHARGES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/TRAIN FARE , BOARDING/LODGING, LOCAL CONVEYANCE, MEDICAL , INSURANCE ETC.

7. COPPER LUGS FOR CABLE TERMINATION AT BATTERY TERMINALS SHALL BE IN BIDDER'S SCOPE & CABLE SIZES SHALL BE INFORMED DURING DETAILED ENGINEERING.

8. Indian Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works).

9. Bidders to note that price at A.1.2, A.2.2 & A.3.2 should be quoted separately and should not be included in main price.

कुमीत सहाय / SUMEET SAHAY

वरिष्ठ अभियन्ता (पी. जे. एन-27/सी. एंगिनीयर (PG-I-2)

भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

पॉवर सेक्टर - परियोजना इन्जीनियरिंग प्रबंधन

Power Sector - Project Engineering Management

प्लॉट नं. -25, सेक्टर-16ए, नोएडा-201 301

Plot No. 25; Sector -16A, Noida -201 301



PROJECT:-1 X 370 MW YELAHANKA CCPP (KPCL)

PACKAGE:- 220V DC BATTERY

TENDER ENQUIRY REF NO-PE/PG/NSP/E-5474/2016, DTD-10.02.2017

NAME OF VENDOR:-

SL NO	VOLUME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASONS FOR QUOTING DEVIATION
TECHNICAL DEVIATIONS									
COMMERCIAL DEVIATIONS									
PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE									
NAME				DESIGNATIONS		SIGN & DATE			

NOTES:

- | |
|--|
| 1. For self manufactured items of bidder, cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only. |
| 2. For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight. |
| 3. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format. |
| 4. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of. |
| 5. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable |
| 6. Bidder shall furnish price copy of above format along with price bid. |
| 7. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser. |
| 8. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered |
| 9. For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL. |
| 10. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted. |
| 11. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format. |
| 12. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL. |
| 13. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive. |
| 14. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering. |

DEEPT SAHAY

सुमीत सहाय / SUMEET SAHAJ
 दक्खि अंगियत्ता (पी.जी.-1-2) / Sr. Engineer (P-G-I-2)
 भारत रेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
 पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन
 Power Sector - Project Engineering Management
 ब्लॉक नं.-25, सेक्टर-16A, नोएडा-201 301
 Plot No. 25, Sector - 16A, Noida - 201 301

2/10/22