



Ref. Enquiry No.: PE/PG/SIN/E-4508/2014
Dated: 19.07.2014

DUE DATE
14.08.2014
BY 10.00AM

Subject: TENDER ENQUIRY FOR SUPPLY OF STATION LIGHTING SYSTEM (GREEN BUILDING) FOR 2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

Our Ref: TENDER ENQUIRY NO: PE/PG/SIN/E-4508/2014, DTD-14.08.2014

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, Engineering, Manufacturing, Assembly, Inspection and Testing at Manufacturer's/Sub Vendor's Works, Painting, Proper Packing for Transportation, Supply/Delivery to Project Site at FOR Site (Singareni) on Freight pre-paid basis for Complete Station Lighting System along with all along with Special Tools and Tackles (if any), Unloading, Storage and Handling at project site, Erection & Commissioning of complete Station Lighting System as per Technical Specification No- PE-TS-381-558-E002 in line with Drawings/ Documents/ Test Procedures approved by BHEL/Customer and as required for the Total Scope for Singareni (2 X 600 MW) Adilabad TPP as per details hosted on BHEL website.
PROJECT	2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD
PACKAGE	STATION LIGHTING SYSTEM (GREEN BUILDING)
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 **11.00AM** 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 & Financial 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. 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.bhelpem.com. You are requested to kindly download the same.

Note: Please send us Acknowledgment for the receipt of Enquiry by mail or Letter. In case you are not interested to quote please send us the regret by mail or letter.

Sumeet Sahay
19/8/14

MR SUMEET SAHAY
SR ENGR/PG-I-2
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
(OFF) 0120-4213575, 4368567, 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 three separate sealed covers as follows:

- Part-I A Bid :- Documents and Credential as per Technical & Financial PQR
- Part I B Bid :- 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 and Financial) in a sealed envelope superscripted with heading "**Part-I A Bid – Technical & Financial PQR**".
- Bidders to submit their 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 B Bid – 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**".

- Both Part I A and Part I B bids will be opened on same date & time mentioned in the NIT or subsequent corrigenda/amendments, is any.
- Part-I B bid i.e. Techno-commercial offer of only those bidders shall be evaluated who will meet the Technical as well as Financial 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.

For detailed instructions, please see clause no. 2.0 of "Instructions to Bidders (Vol-I, GCC Rev-06)".

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SR ENGR/PG-1-2
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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.
- 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 Unit- 1 & 2/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:

Mrs. BHAVNA SHARMA, 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: BHAVNA SHARMA/ PG-I-2 E-MAIL: bhavnasharma@bhhelpem.co.in Ph. No. 0120-4368567	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@bhhelpem.co.in Ph. No. 0120-4213575,09999498202
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MR SUMEET SAHAY
SR ENGR/PG-I-2
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)
(OFF) 0120-4213575, 4368567, 09999498202

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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 Lot I

Eight (08) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs within three weeks from the date of P.O. Drawing/ documents which have to be submitted in 1st submission shall be cleared in the kick off meeting which will be done within 7 days from date of PO. Vendor to re-submit documents within 10 days, taking care of all the comments of BHEL. BHEL shall offer comments on drgs./ docs. within 10 days. BHEL shall approve all drgs. / docs. in Cat-I in total 3 months time from the date of P.O inline with above drg/doc submission schedule by BHEL & vendor. Any deficiency in documents submitted w.r.t. agreed specification/ comments from BHEL shall be treated as non-submission and no. of days delay in submission of complete documents during approval process, on account of this, would be reduced from the delivery. 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. For any clarification/discussion required to complete the drawings, the bidder shall himself depute his personnel to BHEL for across table discussions/finalizations/ submissions of drawings.

For balance LOT II material/ Subsequent Lots –

"Four (04) months from date of manufacturing clearance for subsequent lots for main supply items."

For E&C-

"Four (04) months from releasing of Erection front/ as per site requirement whichever is earlier"

18. **The Price Validity applicable for this tender will be:-**

The unit rates of supply & installation for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to:

- a) $\pm 30\%$ of total order value till finalization of engineering details & BOQ.
- b) $+10\%$ of the total order value in addition to (a) above, till the completion of job.

19. **PRE-QUALIFICATION REQUIREMENT:-**

Bidders will be asked to fill up the details in "TECHNICAL AND FINANCIAL 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 as well as Financial 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 and same shall be covered in NIT.

Sumeet Sahay
19/7/14

MR SUMEET SAHAY
SR ENGR/PG-1-2
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(4/8)



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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 following credentials consisting of the following on or before Part-I opening:-
- Reference list indicating PO details, customer name, PO date, execution date, copy of relevant POs, inspection reports, etc.
 - Performance certificate issued by the clients
 - Organization chart, process chart, facilities (technical) details, quality control etc.
 - Filled up NTPC Questionnaire form as attached in the NIT
- c) Clearance of the sub QR requirement of NTPC/Customer.
21. Indigenous bidders have to quote freight charges in percentage of their quoted ex-works prices.
22. Bidder has to submit "NO-DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS AS PER GCC (06), SCC (REV 03) 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. Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.
26. CIF allocation is applicable for this tender. Hence concession in Custom Duty @ 5% shall be applicable.
27. Bidders will be asked to submit their offers strictly in line with the enclosed price format.
28. Inspection shall be done by BHEL/ (end) CUSTOMER/Third party Agency (finalized by BHEL).
29. May please find the copy of our GCC (Rev 06) on our website www.bhelpem.com
30. 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) - a) TECHNICAL PQR b) FINANCIAL 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.

MR SUMEET SAHAY
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Regd. Office:
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(5/6)

**Project
Engineering
Management**

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



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- Separate sealed price-bid envelope mentioning name of the project/package in BOLD LETTER on the top of each envelope.

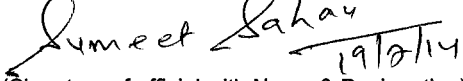
In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date.

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.-I-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

Enclosure:

1. Enquiry Terms & Conditions
2. Price Format (Prices should be quoted in this format only)
3. Terms and Conditions of Reverse Auction
4. Techno-Commercial Deviation Sheet (Annexure-II to GCC Rev 06)
5. BOQ & Technical Specifications
6. SCC of the project
7. Technical PQR
8. Financial PQR
9. NTPC Format for sub-supplier questionnaires

MR SUMEET SAHAY
SR ENGR/PG-I-2
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(S/O)



ANNEXURE-I TO NIT REF NO-PE/PG/SIN/E-4508/2014. DTD-19.07.2014

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD
PRICE SCHEDULE FOR STATION LIGHTING SYSTEM (GREEN BUILDING)

SUPPLY OF MAIN EQUIPMENT AND ERECTION AND COMMISSIONING OF STATION LIGHTING SYSTEM (GREEN BUILDING)

SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ (₹)	CST/VAT @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	SERVICE TAX @ (₹)	TOTAL FOR SITE PRICE (₹)
A.0	MAIN EQUIPMENT SUPPLY OF STATION LIGHTING SYSTEM (GREEN BUILDING) (AS PER ANNEXURE II)	LOT	1						
B.0	E & C OF COMPLETE STATION LIGHTING SYSTEM (GREEN BUILDING) (AS PER ANNEXURE - III)	LOT	1						
	TOTAL ORDERING VALUE (A.0+B.0)								

Sumeet Sahay
19/07/14

SUJEET SAHAY/SUMEET SAHAY
 सचिव अभियंता (पी.जी.-I-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-16A, नोएडा-201 301
 Plot No. 25, Sector -16A, Noida-201 301

ANNEXURE-II TO NIT REF NO-PE/PG/SIN/E-4508/2014, DTD-19.07.2014

2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

PRICE SCHEDULE FOR STATION LIGHTING SYSTEM (GREEN BUILDING)

MAIN EQUIPMENT SUPPLY OF STATION LIGHTING SYSTEM (GREEN BUILDING)

SL NO	ITEM CODE	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX WORKS PRICE (DULY PACKED) (₹)	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ (₹)	CST/VAT @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL FOR SITE PRICE (₹)
A.0		DESIGN, ENGINEERING, MANUFACTURING, ASSEMBLY, INSPECTION AND TESTING AT MANUFACTURER'S /SUB VENDOR'S WORKS, PROPER PACKING, PAINTING, TRANSPORTATION AND DELIVERY TO SITE ON FREIGHT PREPAID BASIS OF COMPLETE STATION LIGHTING SYSTEM FOR GREEN BUILDING ALONG WITH SPECIAL TOOLS AND TACKLES (IF ANY) AS DESCRIBED IN TECHNICAL SPECIFICATION NO. PE-TS-381-558-E002 FOR 2 X 600 MW SINGARENI TPP, ADILABAD								
A.1	558-11255-A	GREEN BUILDING LIGHTING-ECBC COMPLIANCE	LOT	1.00						
A.1.1		LUMINAIRES TYPE FC-30 (WITH DIMMABLE BALLAST)	NOS	250.00						
A.1.2		LUMINAIRES TYPE FC-30 (WITHOUT DIMMABLE BALLAST)	NOS	50.00						
A.1.3		LUMINAIRES TYPE FC-06 (WITH DIMMABLE BALLAST)	NOS	5.00						
A.1.4		LUMINAIRES TYPE FC-06 (WITHOUT DIMMABLE BALLAST)	NOS	75.00						
A.1.5		LUMINAIRES TYPE LED- 18W	NOS	200.00						
A.1.6		LUMINAIRES TYPE LED- 6W	NOS	200.00						
A.1.7		LUMINAIRES TYPE FC-32 (WITH DIMMABLE BALLAST)	NOS	5.00						
A.1.8		LUMINAIRES TYPE FC-32 (WITHOUT DIMMABLE BALLAST)	NOS	10.00						
A.1.9		LUMINAIRES TYPE SS-62	NOS	20.00						
A.1.10		DOWNLIGHTER - 1X18W CFL/FLOURESCENT WITH DIMMABLE BALLAST	NOS	5.00						
A.1.11		DOWNLIGHTER - 1X18W CFL/FLOURESCENT WITHOUT DIMMABLE BALLAST	NOS	5.00						
A.1.12		DOWNLIGHTER - 2X18W CFL/FLOURESCENT WITH DIMMABLE BALLAST	NOS	5.00						

Sumeet Sahani
19/12/14

SL NO	ITEM CODE	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX WORKS PRICE (DULY PACKED) (₹)	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ (₹)	CSTWAT @ (₹)	FREIGHT CHARGES(INCLUDIN G SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL FOR SITE PRICE (₹)
A.1.13		DOWNLIGHTER - 2X18W CFL/ FLOURESCENT WITHOUT DIMMABLE BALLAST	NOS	30.00						
A.1.14		LUMINAIRE TYPE METAL HALIDE- 150W	NOS	10.00						
A.1.15		LUMINAIRES TYPE FC-05	NOS	5.00						
A.1.16		LUMINAIRES TYPE FC-01	NOS	5.00						
A.1.17		LIGHTING LAMP 13W, T5, FL TUBE	NOS	1,200.00						
A.1.18		LIGHTING LAMP 28W, T5, FL TUBE	NOS	200.00						
A.1.19		LIGHTING LAMP 18W	NOS	80.00						
A.1.20		LIGHTING LAMP 150W HPSV (SON-T)	NOS	20.00						
A.1.21		LIGHTING LAMP 150W/METAL HALIDE	NOS	10.00						
A.1.22		LIGHTING CONTROL SYSTEM	LOT	1.00						
A.1.23		OCCUSWITCH STANDALONE OCCUPANCY SENSOR WITH 5AMPS RELAY	NOS	200.00						
A.1.24		EXIT SIGN- 5W PER FACE	NOS	5.00						
A.2	558-11027-A	FLEXIBLE CONDUITS, LEAD COATING 20MM DIA	MTR	500.00						
A.3	558-11029-A	GI CONDUITS 1.6MM THK EPOXY 25MM DIA	MTR	100.00						
A.4	558-11030-A	GI CONDUITS, 1.6MM THICK, 20MM DIA	MTR	5,000.00						
A.5	558-11031-A	GI CONDUITS, 1.6MM THICK, 25MM DIA	MTR	3,000.00						
A.6	558-11034-A	GI WIRE 14 SWG WIRE	MTR	10,000.00						
A.7	558-11036-A	JUNCTION BOXES TYPE JB-F	NOS	800.00						
A.8	558-11121-A	RECEPTACLES TYPE RA	NOS	20.00						
A.9	558-11123-A	RECEPTACLES TYPE RB	NOS	200.00						
A.10	558-11124-A	RECEPTACLES TYPE RC	NOS	5.00						

Sweet Sahay
19/12/14

SL NO	ITEM CODE	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX WORKS PRICE (DULY PACKED) (₹)	TOTAL EX WORKS PRICE (DULY PACKED) (₹)	ED (INCLUDING CESS) @ (₹)	CST/WAT @ (₹)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (₹)	TOTAL FOR SITE PRICE (₹)
A.11	558-11143-A	WIRES 1X1.5 MM2 CU PVC	MTR	9,000.00						
A.12	558-11145-A	WIRES 1X2.5 MM2 CU PVC	MTR	7,500.00						
A.13	558-11146-A	WIRES 1X4.0 MM2 CU PVC	MTR	1,500.00						
A.14		TOTAL VALUE (A.1 TO A.13)								

NOTES:

- Lighting of Service building shall be designed as per ECBC (Energy Conservation Building Code) compliant building achieving energy efficiency. In addition Green Building concept shall be incorporated in the lighting design of Service building to achieve GRIHA-4 rating.
- Lighting Control system shall include all items (like Dali controller, feed through controller, network gateway, master manual lighting control, universal sensor, manual user control panel, BMS interface, control cables etc.) required for control of lighting in service building to achieve GRIHA - 4 rating as per technical specification. LOT indicated above shall mean all items required for completion of the control system in all respects.
- Bidder to quote suitable fixtures and lamps which shall meet light power density requirements and other requirements as per Energy Conservation Building Code (ECBC) in order to achieve GRIHA-4 rating for Service building (Green Building).
- All Fluorescent fixtures shall have electronic ballast. All fluorescent fixtures shall be with 28W, T5 fluorescent fittings.
- The unit rates of supply & installation for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to:
 - ±30% of total order value till finalization of engineering details & BOQ.
 - +10% of the total order value in addition to (a) above, till the completion of job.
- Items shall be cleared for manufacturing and supply in stages on the basis of engineering information to be furnished by the vendor, who is responsible for engineering of the Lighting system.
- 'Basic Design Documents' cover: Drawings/ documents schedule, technical data sheets, GA dwgs. of equipments, quality plan, type test reports and type test proposal (as required) for Station Lighting System.
- For any clarification please refer Technical Specification No-PE-TS-381-558-E002
- 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).

Sumeet Sahay
19/10/19

सुमीत सहाय/ SUMEET SAHAY
वरिष्ठ अभियंता (पी.जी.-1-2)/Sr. Engineer (PG-1-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड/ Bharat Heavy Electricals Ltd.
पॉवर 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-III TO NIT REF NO-PE/PG/SIN/E-4508/2014, DTD-19.07.2014
2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD



PRICE SCHEDULE FOR STATION LIGHTING SYSTEM (GREEN BUILDING)

ERECTOR & COMMISSIONING FOR STATION LIGHTING SYSTEM (GREEN BUILDING)

SL NO	ITEM CODE	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT E&C PRICE (EXCLUDING SERVICE TAX) (₹)	TOTAL E&C PRICE (EXCLUDING SERVICE TAX) (₹)	SERVICE TAX @ (₹)	TOTAL E&C PRICE (INCLUDING SERVICE TAX) (₹)
B.0		UNLOADING, STORAGE AND HANDLING AT SITE, ERECTION & COMMISSIONING OF COMPLETE STATION LIGHTING SYSTEM FOR GREEN BUILDING AS PER TECHNICAL SPECIFICATION NO. PE-TS-381-668-E002						
B.1	558-11255-C	GREEN BUILDING LIGHTING-ECBC COMPLIANCE	LOT	1.00				
B.1.1		LUMINAIRES TYPE FC-30 (WITH DIMMABLE BALLAST)	NOS	250.00				
B.1.2		LUMINAIRES TYPE FC-30 (WITHOUT DIMMABLE BALLAST)	NOS	50.00				
B.1.3		LUMINAIRES TYPE FC-06 (WITH DIMMABLE BALLAST)	NOS	5.00				
B.1.4		LUMINAIRES TYPE FC-06 (WITHOUT DIMMABLE BALLAST)	NOS	75.00				
B.1.5		LUMINAIRES TYPE LED- 18W	NOS	200.00				
B.1.6		LUMINAIRES TYPE LED- 6W	NOS	200.00				
B.1.7		LUMINAIRES TYPE FC-32 (WITH DIMMABLE BALLAST)	NOS	5.00				
B.1.8		LUMINAIRES TYPE FC-32 (WITHOUT DIMMABLE BALLAST)	NOS	10.00				
B.1.9		LUMINAIRES TYPE SS-62	NOS	20.00				
B.1.10		DOWNLIGHTER - 1X18W CFL/FLOURESCENT WITH DIMMABLE BALLAST	NOS	5.00				
B.1.11		DOWNLIGHTER - 1X18W CFL/FLOURESCENT WITHOUT DIMMABLE BALLAST	NOS	5.00				
B.1.12		DOWNLIGHTER - 2X18W CFL/FLOURESCENT WITH DIMMABLE BALLAST	NOS	5.00				
B.1.13		DOWNLIGHTER - 2X18W CFL/FLOURESCENT WITHOUT DIMMABLE BALLAST	NOS	30.00				
B.1.14		LUMINAIRE TYPE METAL HALIDE- 150W	NOS	10.00				
B.1.15		LUMINAIRES TYPE FC-05	NOS	5.00				
B.1.16		LUMINAIRES TYPE FC-01	NOS	5.00				
B.1.17		LIGHTING CONTROL SYSTEM	LOT	1.00				
B.1.18		OCCUSWITCH STANDALONE OCCUPANCY SENSOR WITH 5AMPS RELAY	NOS	200.00				
B.1.19		EXIT SIGN- 5W PER FACE	NOS	5.00				

Symet Sahay
19/10/14

SL NO	ITEM CODE	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT E&C PRICE (EXCLUDING SERVICE TAX) (₹)	TOTAL E&C PRICE (EXCLUDING SERVICE TAX) (₹)	SERVICE TAX @ (₹)	TOTAL E&C PRICE (INCLUDING SERVICE TAX) (₹)
B.2	558-11027-C	FLEXIBLE CONDUITS, LEAD COATING 20MM DIA	MTR	500.00				
B.3	558-11029-C	GI CONDUITS 1.6MM THK EPOXY 25MM DIA	MTR	100.00				
B.4	558-11030-C	GI CONDUITS, 1.6MM THICK, 20MM DIA	MTR	5,000.00				
B.5	558-11031-C	GI CONDUITS, 1.6MM THICK, 25MM DIA	MTR	3,000.00				
B.6	558-11034-C	GI WIRE 14 SWG WIRE	MTR	10,000.00				
B.7	558-11038-C	JUNCTION BOXES TYPE JB-F	NOS	800.00				
B.8	558-11121-C	RECEPTACLES TYPE RA	NOS	20.00				
B.9	558-11123-C	RECEPTACLES TYPE RB	NOS	200.00				
B.10	558-11124-C	RECEPTACLES TYPE RC	NOS	5.00				
B.11	558-11143-C	WIRES 1X1.5 MM2 CU PVC	MTR	9,000.00				
B.12	558-11145-C	WIRES 1X2.5 MM2 CU PVC	MTR	7,500.00				
B.13	558-11146-C	WIRES 1X4.0 MM2 CU PVC	MTR	1,500.00				
B.14		SUB TOTAL (B.1 TO B.13)						

NOTES:

1. Lighting of Service building shall be designed as per ECBC (Energy Conservation Building Code) compliant building achieving energy efficiency. In addition Green Building concept shall be incorporated in the lighting design of Service building to achieve GRIHA-4 rating.

2. Lighting Control system shall include all items (like Dali controller, feed through controller, network gateway, master/ manual lighting control, universal sensor, manual user control panel, BMS interface, control cables etc.) required for control of lighting in service building to achieve GRIHA - 4 rating as per technical specification. LQT indicated above shall mean all items required for completion of the control system in all respects.

3. Erection & commissioning materials (such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fasteners, ball & sockets, earth clips, fan boxes, clamps, screws etc. form part of erection activities) and accessories including commissioning & operational spares upto system handing over to customer has to be worked out for complete and successful erection & commissioning of the total supply as per BOQ. The price to be quoted for E & C accordingly for equipment and fittings.

4. The unit rates of supply & installation for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to:

a) ±30% of total order value till finalization of engineering details & BOQ.

b) +10% of the total order value in addition to (a) above, till the completion of job.

5. Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.

6. All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back.

7. Cost of E&C for lighting fixture shall be inclusive of cost of lamp installation.

8. For any clarification please refer Technical Specification No.-PE-TS-381-588-E002

सुमीत सहाय / SUMEET SAHAY

वरिष्ठ अभियन्ता (सी.जी. ए-2)/Sr. Engineer (PG-I)

भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals

पावर सेक्टर-परियोजना इंजीनियरिंग प्रभाग

Power Sector-Project Engineering Management

प्लॉट नं.-25, सेक्टर-18, नोएडा-201 301

Plot No. 25, Sector-18A, Noida-201 301

Sumeet Sahay
19/11/11



ANNEXURE-II TO GCC REV 06

DEVIATION SHEET (COST OF WITHDRAWAL)

PROJECT:- 2 X 600 MW SINGARENI THERMAL POWER PROJECT, ADILABAD

PACKAGE:- STATION LIGHTING SYSTEM (GREEN BUILDING)

TENDER ENQUIRY REF NO.:

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									

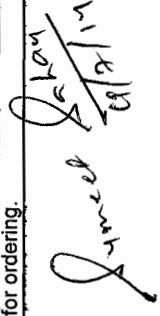
PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE

NAME	DESIGNATIONS	SIGN & DATE

NOTES:

- 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.
- For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight.
- All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format.
- Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
- 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.
- Bidder shall furnish price copy of above format along with price bid.
- The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
- Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
- 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.
- Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
- 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.
- 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.
- In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
- In case of discrepancy in the nature of impact (positive/negative), positive will be considered for evaluation and negative for ordering.

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


 Sumeet Sahay



BHARAT HEAVY ELECTRICALS LIMITED
PROJECT ENGINEERING MANAGEMENT

ANNEXURE-A OF NIT REF NO- PE/PG/SIN/E-4508/2014, DTD-19.07.2014

TERMS & CONDITIONS OF REVERSE AUCTION

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

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

Sumeet Sahay
19/7/14

सुमीत सहाय / SUMEET SAHAY
वरिष्ठ अभियन्ता (पी.जी.-1-2) / Sr. Engineer (PG-I-2)
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