



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

SUBJECT: TENDER ENQUIRY FOR SUPPLY OF STATION LIGHTING SYSTEM (ADDITIONAL REQUIREMENT) FOR 2 X 500 MW ANPARA D TPS PROJECT

Our Ref: TENDER ENQUIRY NO: PE/PG/ANP/E-5208/2016, DTD-15.04.2016

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	DESIGN, ENGINEERING, MANUFACTURING, ASSEMBLY, INSPECTION & TESTING AT MANUFACTURER'S/SUB VENDOR'S WORKS, PROPER PACKING & PAINTING SUITABLY FOR TRANSPORTATION, DELIVERY TO PROJECT SITE ON FREIGHT PRE-PAID BASIS, UNLOADING, STORAGE AND HANDLING AT SITE, ERECTION & COMMISSIONING OF COMPLETE STATION LIGHTING SYSTEM AS PER TOTAL SCOPE AS DESCRIBED IN TECHNICAL SPECIFICATION NO- PE-DG-298-558-E002 FOR 2 X 500 MW ANPARA D TPS PROJECT
PROJECT	2 X 500 MW ANPARA 'D' TPS PROJECT
PACKAGE	STATION LIGHTING SYSTEM (ADDITIONAL REQUIREMENT)
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 and time**. Part-I bids shall be opened at **15.00PM** 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 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.bhelpem.com. You are requested to kindly download the same.

Handwritten signature and date 15/4

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

Handwritten circled '1/6'

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



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

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 & Financial 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 and Financial), Techno-commercial offer along with the un-priced price bid and un-priced schedule of Technical-Commercial Deviation in a sealed envelope superscribed with heading "**Part-I Bid – Technical & Financial PQR and Techno-Commercial Offer**".
- Bidders to submit their Price Bid and Priced schedule of Technical-Commercial Deviation in a sealed envelope superscribed 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 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.

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.



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

- **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:**
- Price format is enclosed for compliance.**
 - SCC enclosed for compliance.**
 - 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:

<p>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</p>	<p>Mr. HEMANT KUMAR KAUSHIK, DY 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: HEMANT KUMAR KAUSHIK / PG-I-2 E-MAIL: hkkaushik@bhelpem.co.in Ph. No. 0120- 4213549,0 9540180895</p>
--	---

16. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.

Handwritten signature and date 15/4

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

2/6

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



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

17. Delivery:

For Lot I - Two (02) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs within one week 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 7 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 1 month 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 – Three (03) months from date of manufacturing clearance for subsequent lots for main supply items

For E&C- Four (03) months from releasing of Erection front/ as per site requirement whichever is earlier

18. Prices shall be firm.

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.

20. Bidder to note for compliance that this is conditional enquiry, the price bid (Part-II) opening/RA is subjected to

- Approval of bidder by the BHEL PEM.
- 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 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. "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.



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

26. Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.
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 not 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. MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (Five years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with attested copy of CA certificate (Format enclosed at Annexure-I where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted thorough e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted Officer.
34. 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.
35. Contractor will comply with HSE (Health, Safety & Environment) requirement of BHEL.
36. 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."
37. Bidder is requested to quote their best competitive prices. "BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit online sealed bid in the Reverse Auction. Non-submission of online sealed bid by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Terms and Conditions of Reverse Auction shall be as per attached annexure-A.

Handwritten signature and date: 15/4/16



Ref. Enquiry No.: PE/PG/ANP/E-5208/2016
Dated: 15.04.2016

DUE DATE
25.04.2016
BY 14:00PM

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

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
वर्ल्ड अभियन्ता (पी.जी. 1-2) / Sr. Engineer (PG-1-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.
पावर सेक्टर - परियोजना इंजीनियरिंग प्रबंधन
Power Sector - Project Engineering Management
प्लॉट नं. - 25, सेक्टर - 16A, नोडा-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. Cost of Withdrawal sheet, if applicable
10. Guideline for Indian Agents of Foreign Suppliers
11. Annexure for MSE Supplier



BHARAT HEAVY ELECTRICALS LIMITED


PROJECT ENGINEERING MANAGEMENT

ANNEXURE – A TO NIT REF NO-PE/PG/ANP/E-5208/2016 DTD-15.04.2016

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.


सुमीत सहय / SUMEET SAHAY
वरिष्ठ अभियन्ता (पी.सी.-1-2)/Sr. Engineer (PE-3-2)
भारत हेवी इलेक्ट्रिकल्स लिमिटेड, (Bharat Heavy Electricals Ltd.)
पावर सेक्टर-प्रोजेक्ट एन्जिनियरिंग प्रशासन
Power Sector-Project Engineering Management
प्लॉट नं. 25, सेक्टर-16ए, नूतन-201 301
Plot No. 25, Sector-16A, Noida-201 301

1/1



ANNEXURE - I OF NIT - PE/PG/ANP/E-5208/2016, DTD-15.04.2016


2 X 500 MW ANPARA D TPS PROJECT

PRICE SCHEDULE FOR STATION LIGHTING SYSTEM (ADDITIONAL REQUIREMENT)

SUPPLY OF MAIN EQUIPMENT AND ERECTION AND COMMISSIONING

NAME OF VENDOR-

SL NO	ITEM DESCRIPTION	ORDERED QUANTITY	UOM	TOTAL EX- WORKS PRICE (DULY PACKED)/ TOTAL E&C PRICE (INR)	ED (INCLUDING CESS) @% (INR)	CST/VAT @....% against Form 'C' /EI/EII (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @.... % OF TOTAL EX WORKS (INR)	SERVICE TAX @....% (INR)	TOTAL F.O.R SITE PRICE/TOTAL E&C PRICE WITH SERVICE TAX (INR)
A.0	MAIN EQUIPMENT SUPPLY OF STATION LIGHTING SYSTEM (AS PER ANNEXURE A)	LOT	1						
B.0	E & C OF COMPLETE STATION LIGHTING SYSTEM (AS PER ANNEXURE B)	LOT	1						
C.0	TOTAL ORDERING VALUE (A.0+B.0)								


RAJESH KUMAR SAHAY
 Director of Engineering, Anpara (PG-I-2)
 Anpara, District, Bihar, India. Heavy Electricals Ltd.
 P.O. Box No. 20, Anpara, Bihar, India. PIN-854131
 Phone No. 91, 9088114541, 9088114542



ANNEXURE - A OF NIT - REF NO- PE/PG/ANP/E-5208/2016, DTD-15.04.2016

2 X 500 MW ANPARA D TPS PROJECT

PRICE SCHEDULE FOR STATION LIGHTING SYSTEM

MAIN SUPPLY

NAME OF VENDOR-

SL NO	MAIN EQUIPMENT	ORDERED QUANTITY	UOM	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/E/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	SERVICE TAX @ % (INR)	TOTAL F.O.R SITE PRICE (INR)
1.0	Lighting Panels (LP)									
1.1	AC Normal /Emergency indoor Type LP – A (12) [with timer]	6	Nos.							
2.0	Lighting Luminaires (complete with accessories)									
	Purchasers type reference (* Bidders type reference)									
2.1	Luminaires Type FC02 (*) with 28W T5 tube	10	Nos.							
2.2	Luminaire Type FC06 (*) with 28W T5 tube	50	Nos.							
2.3	Luminaire Type FC26 (*) with 28W T5 tube	6	Nos.							
2.4	Luminaire Type FC32 (*) with 28W T5 tube	8	Nos.							
2.5	Luminaire Type TB22(*)	38	Nos.							
2.6	Luminaire Type SB02 (*)	16	Nos.							
2.7	Luminaire Type SS62 (*)	6	Nos.							
3.0	Lighting Lamp									
3.1	28W T5 fluorescent tube	646	Nos.							
3.2	100W incandescent lamp	38	Nos.							
3.3	70W HPSV lamp (SON-E)	300	Nos.							
3.4	150W HPSV lamp (SON-E)	61	Nos.							
3.5	250W HPSV lamp (SON-E)	122	Nos.							
3.6	400W HPSV lamp (SON-E)	81	Nos.							
3.7	125W HPMV lamp	32	Nos.							
4.0	Switch boxes for individual control of circuits									
	Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.									
4.1	Type SWB1	93	Nos.							
4.2	Type SWB3	2	Nos.							
5.0	Junction boxes									
5.1	Type JB-F	1161	Nos.							

Handwritten signature and date: 15/4

Handwritten number: 1/2

SL NO	MAIN EQUIPMENT	ORDERED QUANTITY	UOM	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/IE/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	SERVICE TAX @ % (INR)	TOTAL F.O.R SITE PRICE (INR)
6.0	Receptacles									
6.1	Type RA	25	Nos.							
6.2	Type RB	12	Nos.							
6.3	Type RC	10	Nos.							
7.0	Ceiling fans with electronic regulators									
7.1	1200 mm sweep	5	Nos.							
8.0	Pedestal Fan	10	Nos.							
9.0	Wires									
9.1	1x1.5 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	9	Kms.							
9.2	1x2.5 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	119	Kms.							
9.3	1x4 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	3	Kms.							
10.0	GI wire, flat & MS rod									
10.1	14 SWG GI wire	4	Kms.							
10.2	25 X 3 GI Flat	2	Kms.							
11.0	Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)									
11.1	20 mm dia GI conduit, 1.6 mm thick	49	Kms.							
11.2	25 mm dia GI conduit, 1.6 mm thick	2	Kms.							
11.3	40 mm dia GI conduit, 2 mm thick	4	Kms.							
11.4	50 mm dia GI conduit, 2 mm thick	0.2	Kms.							
12.0	Structural steel	4	MT							
TOTAL										

NOTES:


1. All Fluorescent fixtures shall have energy efficient lamp (T5) and electronic ballast.

2. The unit rates of supply & installation (E&C) for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to +30% of total order value.

3. '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.

4. Design engineering charges are considered to be included in main equipment supply price. No separate charges shall be applicable.

5. Quantities, which are indicated above, shall be cleared for manufacturing along with LOI. Additional quantities if required, 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.


 Power Electricals & Controls Pvt. Ltd.
 Plot No. 25, Sector-10, Gurgaon-122001

(2/2)

ANNEXURE - B OF NIT - REF NO - PE/PG/ANP/E-5208/2016, DTD-15.04.2016

2 X 500 MW ANPARA D TPS PROJECT

PRICE SCHEDULE FOR STATION LIGHTING SYSTEM

ERECTION & COMMISSIONING

NAME OF VENDOR-

	ITEM DESCRIPTION	ORDERED QUANTITY	UOM	UNIT E&C PRICE (EXCLUDING SERVICE TAX) (INR)	TOTAL E&C PRICE (EXCLUDING SERVICE TAX) (INR)	SERVICE TAX @ % (INR)	TOTAL E&C PRICE (INCLUDING SERVICE TAX) (INR)
1.0	Lighting Panels (LP)						
1.1	AC Normal /Emergency indoor Type LP – A (12) [with timer]	6	Nos.				
2.0	Lighting Luminaires (complete with accessories)						
	Purchasers type reference (* Bidders type reference)						
2.1	Luminaires Type FC02 (*) with 28W T5 tube	10	Nos.				
2.2	Luminaire Type FC06 (*) with 28W T5 tube	50	Nos.				
2.3	Luminaire Type FC26 (*) with 28W T5 tube	6	Nos.				
2.4	Luminaire Type FC32 (*) with 28W T5 tube	8	Nos.				
2.5	Luminaire Type TB22(*)	38	Nos.				
2.6	Luminaire Type SB02 (*)	16	Nos.				
2.7	Luminaire Type SS62 (*)	6	Nos.				
3.0	Switch boxes for individual control of circuits						
	Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.						
3.1	Type SWB1	93	Nos.				

July 15/16

1/3

	ITEM DESCRIPTION	ORDERED QUANTITY	UOM	UNIT E&C PRICE (EXCLUDING SERVICE TAX) (INR)	TOTAL E&C PRICE (EXCLUDING SERVICE TAX) (INR)	SERVICE TAX @ % (INR)	TOTAL E&C PRICE (INCLUDING SERVICE TAX) (INR)
3.2	Type SWB3	2	Nos.				
4.0	Junction boxes						
4.1	Type JB-F	1161	Nos.				
5.0	Receptacles						
5.1	Type RA	25	Nos.				
5.2	Type RB	12	Nos.				
5.3	Type RC	10	Nos.				
6.0	Ceiling fans with electronic regulators						
6.1	1200 mm sweep	5	Nos.				
7.0	Wires						
7.1	1x1.5 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	9	Kms.				
7.2	1x2.5 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	119	Kms.				
7.3	1x4 mm ² Cu PVC [Red/Yellow/Blue/Black/Grey]	3	Kms.				
8.0	GI wire, flat & MS rod						
8.1	14 SWG GI wire	4	Kms.				
8.2	25 X 3 GI Flat	2	Kms.				
9.0	Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)						
9.1	20 mm dia GI conduit, 1.6 mm thick	49	Kms.				
9.2	25 mm dia GI conduit, 1.6 mm thick	2	Kms.				

2/3

Handwritten signature

	ITEM DESCRIPTION	ORDERED QUANTITY	UOM	UNIT E&C PRICE (EXCLUDING SERVICE TAX) (INR)	TOTAL E&C PRICE (EXCLUDING SERVICE TAX) (INR)	SERVICE TAX @ % (INR)	TOTAL E&C PRICE (INCLUDING SERVICE TAX) (INR)
9.3	40 mm dia GI conduit, 2 mm thick	4	Kms.				
9.4	50 mm dia GI conduit, 2 mm thick	0.2	Kms.				
TOTAL *							

NOTES:

1. The unit rates of supply and installation (E&C) for all equipment and services quoted by the bidder shall be firm for a variation of quantities limited to +30% of total order value.
2. All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back.
3. Design engineering charges are considered to be included in main equipment supply price. No separate charges shall be applicable.
4. 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, pull out boxes 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.
5. Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
6. Cost of E&C for lighting fixture shall be inclusive of cost of lamp installation.



सुमीत सहय / SUMET SAHAY
 वरिष्ठ अभियंता (PG-I-2) / Senior Engineer (PG-I-2)
 भारत (पी) इलेक्ट्रिकल्स लि. / Bharat (P) Electricals Ltd.
 कक्षा ३०३, ३०४, ३०५, ३०६, ३०७, ३०८, ३०९, ३१०, ३११, ३१२, ३१३, ३१४, ३१५, ३१६, ३१७, ३१८, ३१९, ३२०, ३२१, ३२२, ३२३, ३२४, ३२५, ३२६, ३२७, ३२८, ३२९, ३३०, ३३१, ३३२, ३३३, ३३४, ३३५, ३३६, ३३७, ३३८, ३३९, ३४०, ३४१, ३४२, ३४३, ३४४, ३४५, ३४६, ३४७, ३४८, ३४९, ३५०, ३५१, ३५२, ३५३, ३५४, ३५५, ३५६, ३५७, ३५८, ३५९, ३६०, ३६१, ३६२, ३६३, ३६४, ३६५, ३६६, ३६७, ३६८, ३६९, ३७०, ३७१, ३७२, ३७३, ३७४, ३७५, ३७६, ३७७, ३७८, ३७९, ३८०, ३८१, ३८२, ३८३, ३८४, ३८५, ३८६, ३८७, ३८८, ३८९, ३९०, ३९१, ३९२, ३९३, ३९४, ३९५, ३९६, ३९७, ३९८, ३९९, ४००, ४०१, ४०२, ४०३, ४०४, ४०५, ४०६, ४०७, ४०८, ४०९, ४१०, ४११, ४१२, ४१३, ४१४, ४१५, ४१६, ४१७, ४१८, ४१९, ४२०, ४२१, ४२२, ४२३, ४२४, ४२५, ४२६, ४२७, ४२८, ४२९, ४३०, ४३१, ४३२, ४३३, ४३४, ४३५, ४३६, ४३७, ४३८, ४३९, ४४०, ४४१, ४४२, ४४३, ४४४, ४४५, ४४६, ४४७, ४४८, ४४९, ४५०, ४५१, ४५२, ४५३, ४५४, ४५५, ४५६, ४५७, ४५८, ४५९, ४६०, ४६१, ४६२, ४६३, ४६४, ४६५, ४६६, ४६७, ४६८, ४६९, ४७०, ४७१, ४७२, ४७३, ४७४, ४७५, ४७६, ४७७, ४७८, ४७९, ४८०, ४८१, ४८२, ४८३, ४८४, ४८५, ४८६, ४८७, ४८८, ४८९, ४९०, ४९१, ४९२, ४९३, ४९४, ४९५, ४९६, ४९७, ४९८, ४९९, ५००, ५०१, ५०२, ५०३, ५०४, ५०५, ५०६, ५०७, ५०८, ५०९, ५१०, ५११, ५१२, ५१३, ५१४, ५१५, ५१६, ५१७, ५१८, ५१९, ५२०, ५२१, ५२२, ५२३, ५२४, ५२५, ५२६, ५२७, ५२८, ५२९, ५३०, ५३१, ५३२, ५३३, ५३४, ५३५, ५३६, ५३७, ५३८, ५३९, ५४०, ५४१, ५४२, ५४३, ५४४, ५४५, ५४६, ५४७, ५४८, ५४९, ५५०, ५५१, ५५२, ५५३, ५५४, ५५५, ५५६, ५५७, ५५८, ५५९, ५६०, ५६१, ५६२, ५६३, ५६४, ५६५, ५६६, ५६७, ५६८, ५६९, ५७०, ५७१, ५७२, ५७३, ५७४, ५७५, ५७६, ५७७, ५७८, ५७९, ५८०, ५८१, ५८२, ५८३, ५८४, ५८५, ५८६, ५८७, ५८८, ५८९, ५९०, ५९१, ५९२, ५९३, ५९४, ५९५, ५९६, ५९७, ५९८, ५९९, ६००, ६०१, ६०२, ६०३, ६०४, ६०५, ६०६, ६०७, ६०८, ६०९, ६१०, ६११, ६१२, ६१३, ६१४, ६१५, ६१६, ६१७, ६१८, ६१९, ६२०, ६२१, ६२२, ६२३, ६२४, ६२५, ६२६, ६२७, ६२८, ६२९, ६३०, ६३१, ६३२, ६३३, ६३४, ६३५, ६३६, ६३७, ६३८, ६३९, ६४०, ६४१, ६४२, ६४३, ६४४, ६४५, ६४६, ६४७, ६४८, ६४९, ६५०, ६५१, ६५२, ६५३, ६५४, ६५५, ६५६, ६५७, ६५८, ६५९, ६६०, ६६१, ६६२, ६६३, ६६४, ६६५, ६६६, ६६७, ६६८, ६६९, ६७०, ६७१, ६७२, ६७३, ६७४, ६७५, ६७६, ६७७, ६७८, ६७९, ६८०, ६८१, ६८२, ६८३, ६८४, ६८५, ६८६, ६८७, ६८८, ६८९, ६९०, ६९१, ६९२, ६९३, ६९४, ६९५, ६९६, ६९७, ६९८, ६९९, ७००, ७०१, ७०२, ७०३, ७०४, ७०५, ७०६, ७०७, ७०८, ७०९, ७१०, ७११, ७१२, ७१३, ७१४, ७१५, ७१६, ७१७, ७१८, ७१९, ७२०, ७२१, ७२२, ७२३, ७२४, ७२५, ७२६, ७२७, ७२८, ७२९, ७३०, ७३१, ७३२, ७३३, ७३४, ७३५, ७३६, ७३७, ७३८, ७३९, ७४०, ७४१, ७४२, ७४३, ७४४, ७४५, ७४६, ७४७, ७४८, ७४९, ७५०, ७५१, ७५२, ७५३, ७५४, ७५५, ७५६, ७५७, ७५८, ७५९, ७६०, ७६१, ७६२, ७६३, ७६४, ७६५, ७६६, ७६७, ७६८, ७६९, ७७०, ७७१, ७७२, ७७३, ७७४, ७७५, ७७६, ७७७, ७७८, ७७९, ७८०, ७८१, ७८२, ७८३, ७८४, ७८५, ७८६, ७८७, ७८८, ७८९, ७९०, ७९१, ७९२, ७९३, ७९४, ७९५, ७९६, ७९७, ७९८, ७९९, ८००, ८०१, ८०२, ८०३, ८०४, ८०५, ८०६, ८०७, ८०८, ८०९, ८१०, ८११, ८१२, ८१३, ८१४, ८१५, ८१६, ८१७, ८१८, ८१९, ८२०, ८२१, ८२२, ८२३, ८२४, ८२५, ८२६, ८२७, ८२८, ८२९, ८३०, ८३१, ८३२, ८३३, ८३४, ८३५, ८३६, ८३७, ८३८, ८३९, ८४०, ८४१, ८४२, ८४३, ८४४, ८४५, ८४६, ८४७, ८४८, ८४९, ८५०, ८५१, ८५२, ८५३, ८५४, ८५५, ८५६, ८५७, ८५८, ८५९, ८६०, ८६१, ८६२, ८६३, ८६४, ८६५, ८६६, ८६७, ८६८, ८६९, ८७०, ८७१, ८७२, ८७३, ८७४, ८७५, ८७६, ८७७, ८७८, ८७९, ८८०, ८८१, ८८२, ८८३, ८८४, ८८५, ८८६, ८८७, ८८८, ८८९, ८९०, ८९१, ८९२, ८९३, ८९४, ८९५, ८९६, ८९७, ८९८, ८९९, ९००, ९०१, ९०२, ९०३, ९०४, ९०५, ९०६, ९०७, ९०८, ९०९, ९१०, ९११, ९१२, ९१३, ९१४, ९१५, ९१६, ९१७, ९१८, ९१९, ९२०, ९२१, ९२२, ९२३, ९२४, ९२५, ९२६, ९२७, ९२८, ९२९, ९३०, ९३१, ९३२, ९३३, ९३४, ९३५, ९३६, ९३७, ९३८, ९३९, ९४०, ९४१, ९४२, ९४३, ९४४, ९४५, ९४६, ९४७, ९४८, ९४९, ९५०, ९५१, ९५२, ९५३, ९५४, ९५५, ९५६, ९५७, ९५८, ९५९, ९६०, ९६१, ९६२, ९६३, ९६४, ९६५, ९६६, ९६७, ९६८, ९६९, ९७०, ९७१, ९७२, ९७३, ९७४, ९७५, ९७६, ९७७, ९७८, ९७९, ९८०, ९८१, ९८२, ९८३, ९८४, ९८५, ९८६, ९८७, ९८८, ९८९, ९९०, ९९१, ९९२, ९९३, ९९४, ९९५, ९९६, ९९७, ९९८, ९९९, १०००, १००१, १००२, १००३, १००४, १००५, १००६, १००७, १००८, १००९, १०१०, १०११, १०१२, १०१३, १०१४, १०१५, १०१६, १०१७, १०१८, १०१९, १०२०, १०२१, १०२२, १०२३, १०२४, १०२५, १०२६, १०२७, १०२८, १०२९, १०३०, १०३१, १०३२, १०३३, १०३४, १०३५, १०३६, १०३७, १०३८, १०३९, १०४०, १०४१, १०४२, १०४३, १०४४, १०४५, १०४६, १०४७, १०४८, १०४९, १०५०, १०५१, १०५२, १०५३, १०५४, १०५५, १०५६, १०५७, १०५८, १०५९, १०६०, १०६१, १०६२, १०६३, १०६४, १०६५, १०६६, १०६७, १०६८, १०६९, १०७०, १०७१, १०७२, १०७३, १०७४, १०७५, १०७६, १०७७, १०७८, १०७९, १०८०, १०८१, १०८२, १०८३, १०८४, १०८५, १०८६, १०८७, १०८८, १०८९, १०९०, १०९१, १०९२, १०९३, १०९४, १०९५, १०९६, १०९७, १०९८, १०९९, ११००, ११०१, ११०२, ११०३, ११०४, ११०५, ११०६, ११०७, ११०८, ११०९, १११०, ११११, १११२, १११३, १११४, १११५, १११६, १११७, १११८, १११९, ११२०, ११२१, ११२२, ११२३, ११२४, ११२५, ११२६, ११२७, ११२८, ११२९, ११३०, ११३१, ११३२, ११३३, ११३४, ११३५, ११३६, ११३७, ११३८, ११३९, ११४०, ११४१, ११४२, ११४३, ११४४, ११४५, ११४६, ११४७, ११४८, ११४९, ११५०, ११५१, ११५२, ११५३, ११५४, ११५५, ११५६, ११५७, ११५८, ११५९, ११६०, ११६१, ११६२, ११६३, ११६४, ११६५, ११६६, ११६७, ११६८, ११६९, ११७०, ११७१, ११७२, ११७३, ११७४, ११७५, ११७६, ११७७, ११७८, ११७९, ११८०, ११८१, ११८२, ११८३, ११८४, ११८५, ११८६, ११८७, ११८८, ११८९, ११९०, ११९१, ११९२, ११९३, ११९४, ११९५, ११९६, ११९७, ११९८, ११९९, १२००, १२०१, १२०२, १२०३, १२०४, १२०५, १२०६, १२०७, १२०८, १२०९, १२१०, १२११, १२१२, १२१३, १२१४, १२१५, १२१६, १२१७, १२१८, १२१९, १२२०, १२२१, १२२२, १२२३, १२२४, १२२५, १२२६, १२२७, १२२८, १२२९, १२३०, १२३१, १२३२, १२३३, १२३४, १२३५, १२३६, १२३७, १२३८, १२३९, १२४०, १२४१, १२४२, १२४३, १२४४, १२४५, १२४६, १२४७, १२४८, १२४९, १२५०, १२५१, १२५२, १२५३, १२५४, १२५५, १२५६, १२५७, १२५८, १२५९, १२६०, १२६१, १२६२, १२६३, १२६४, १२६५, १२६६, १२६७, १२६८, १२६९, १२७०, १२७१, १२७२, १२७३, १२७४, १२७५, १२७६, १२७७, १२७८, १२७९, १२८०, १२८१, १२८२, १२८३, १२८४, १२८५, १२८६, १२८७, १२८८, १२८९, १२९०, १२९१, १२९२, १२९३, १२९४, १२९५, १२९६, १२९७, १२९८, १२९९, १३००, १३०१, १३०२, १३०३, १३०४, १३०५, १३०६, १३०७, १३०८, १३०९, १३१०, १३११, १३१२, १३१३, १३१४, १३१५, १३१६, १३१७, १३१८, १३१९, १३२०, १३२१, १३२२, १३२३, १३२४, १३२५, १३२६, १३२७, १३२८, १३२९, १३३०, १३३१, १३३२, १३३३, १३३४, १३३५, १३३६, १३३७, १३३८, १३३९, १३४०, १३४१, १३४२, १३४३, १३४४, १३४५, १३४६, १३४७, १३४८, १३४९, १३५०, १३५१, १३५२, १३५३, १३५४, १३५५, १३५६, १३५७, १३५८, १३५९, १३६०, १३६१, १३६२, १३६३, १३६४, १३६५, १३६६, १३६७, १३६८, १३६९, १३७०, १३७१, १३७२, १३७३, १३७४, १३७५, १३७६, १३७७, १३७८, १३७९, १३८०, १३८१, १३८२, १३८३, १३८४, १३८५, १३८६, १३८७, १३८८, १३८९, १३९०, १३९१, १३९२, १३९३, १३९४, १३९५, १३९६, १३९७, १३९८, १३९९, १४००, १४०१, १४०२, १४०३, १४०४, १४०५, १४०६, १४०७, १४०८, १४०९, १४१०, १४११, १४१२, १४१३, १४१४, १४१५, १४१६, १४१७, १४१८, १४१९, १४२०, १४२१, १४२२, १४२३, १४२४, १४२५, १४२६, १४२७, १४२८, १४२९, १४३०, १४३१, १४३२, १४३३, १४३४, १४३५, १४३६, १४३७, १४३८, १४३९, १४४०, १४४१, १४४२, १४४३, १४४४, १४४५, १४४६, १४४७, १४४८, १४४९, १४५०, १४५१, १४५२, १४५३, १४५४, १४५५, १४५६, १४५७, १४५८, १४५९, १४६०, १४६१, १४६२, १४६३, १४६४, १४६५, १४६६, १४६७, १४६८, १४६९, १४७०, १४७१, १४७२, १४७३, १४७४, १४७५, १४७६, १४७७, १४७८, १४७९, १४८०, १४८१, १४८२, १४८३, १४८४, १४८५, १४८६, १४८७, १४८८, १४८९, १४९०, १४९१, १४९२, १४९३, १४९४, १४९५, १४९६, १४९७, १४९८, १४९९, १५००, १५०१, १५०२, १५०३, १५०४, १५०५, १५०६, १५०७, १५०८, १५०९, १५१०, १५११, १५१२, १५१३, १५१४, १५१५, १५१६, १५१७, १५१८, १५१९, १५२०, १५२१, १५२२, १५२३, १५२४, १५२५, १५२६, १५२७, १५२८, १५२९, १५३०, १५३१, १५३२, १५३३, १५३४, १५३५, १५३६, १५३७, १५३८, १५३९, १५४०, १५४१, १५४२, १५४३, १५४४, १५४५, १५४६, १५४७, १५४८, १५४९, १५५०, १५५१, १५५२, १५५३, १५५४, १५५५, १५५६, १५५७, १५५८, १५५९, १५६०, १५६१, १५६२, १५६३, १५६४, १५६५, १५६६, १५६७, १५६८, १५६९, १५७०, १५७१, १५७२, १५७३, १५७४, १५७५, १५७६, १५७७, १५७८, १५७९, १५८०, १५८१, १५८२, १५८३, १५८४, १५८५, १५८

