

Ref. Enquiry No.: PE/PG/PKI/E-6431/2020 , Dated 02.05.2020

DUE DATE
25 MAY 2020
BY 02:00 PM

Dear Ma'am/Sir,

Subject: Open tender Enquiry for "Lighting Fixtures, Lamps & Miscellaneous Items" for 1 x 660 MW UPRVUNL PANKI TPS Extn. Project as per Technical Specification No. PE-TS-426-558-E001.

BHEL invites your offers for design, manufacture, assembly, inspection and testing at vendor's and/ or his & sub-vendor's works, painting and delivery to site of Main Supply, E & C Spares, Mandatory spares and Supervision of E&C of **Lighting Fixtures, Lamps & Miscellaneous Items** for **1 x 660 MW UPRVUNL PANKI TPS EXTENSION Project** as mentioned in different sections of the technical specification PE-TS-426-558-E001, Rev 00, amendment & agreements till placement of order for **Lighting Fixtures, Lamps & Miscellaneous items**.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC Rev. 07, in sealed cover for the below mentioned equipment/system.

Item Description – Lighting Fixtures, Lamps & Miscellaneous Items			
Sl. No.	Project	TECHNICAL SPECIFICATION NO.	Delivery completion schedule
1	1x 660 MW UPRVUNL Panki TPS Ext.	PE-TS-426-558-E001 REV.00	As per annexure – I to NIT

Your best quotation/offer for the above requirement, in line with tender terms and conditions, should be submitted **online via e-procurement system**. It shall be the responsibility of the bidder to ensure that the tender is submitted **on or before the due date** by **02:00 PM**. Part-I bids shall be opened at **03:00 PM**. on the due date.

Note: 1. Detailed tender documents have been uploaded on following websites: -
www.eprocure.gov.in, <https://bhel.abcprocure.com>, www.bhel.com & <https://www.bhelpem.com>

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

2. In case bidders are not interested to quote, please send us the regret by mail or letter.

ENQUIRY TERMS AND CONDITIONS:

1. Offers should be submitted/uploaded separately in two parts **online through e-procurement system** as follows:

Part-I: TECHNO-COMMERCIAL BID Part-II: PRICE BID

For detailed instructions, please refer GCC Rev 07- Instructions to Bidders.

2. Bidders shall submit their offers meeting the requirements of the following tender documents indicated in BHEL PEM GCC Rev- 07 and other Terms and Conditions included in this Enquiry Letter. Weblink of GCC Rev 07 shall be as below, bidders may download the GCC Rev 07 from the given weblink and go through the same before quoting: -
<https://www.bhelpem.com/Documents/GCC/GCCRev07.pdf>

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

- General Conditions of Contract (GCC) Rev 07 comprising of: Instructions to Bidders and General Commercial Terms & Conditions
- Technical Specifications
- Technical PQR
- Special Conditions of Contract (SCC Rev 01) of Panki Project.
- Enquiry terms & conditions (NIT)
- Annexures I –IV
- Integrity Pact (IP)

Gaurav Jain/Sr. MGR/PGIII
PS-Project Engineering Management,
Power Project Engineering Institute,
Plot no. 25, Sector – 16A, Noida (UP) 201301, INDIA
(OFF) +91-120-4368835, (MOB.) +91 8800990290

Regd. Office
BHEL House Siri Fort
New Delhi-110049

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4. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
5. Tenders shall be submitted strictly in accordance with the requirements of the above mentioned tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately in Annexure-II of GCC Rev-07 along with reasons for taking such deviations. Any deviations (Technical as well as Commercial) not mentioned in the Annexure-II shall not be considered. Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.07.
6. If any bidder has mentioned the term "Not Applicable" / "not required" / "not quoted" in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost by the successful bidder.
7. 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.
8. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be dispatched only after Purchaser's/Owner's inspection of the hold points specified in the approved Quality Plan and issue of Material Dispatch Clearance Certificate (MDCC).
9. Offers should be submitted separately in two parts **online through e-procurement system only**, however, all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

Mr. Shamik Gupta Dy. Engineer, PG-III E-mail: shamikgupta@bhel.in Ph. +91-120-4368949; Mob: 9716336332	Mr. Rahul Bhatnagar Sr. Engineer, PG-III E-Mail: rahulbhatnagar@bhel.in Ph. No. +91-120-4368727; Mob: 9654499303	Mr. Gaurav Jain Sr. Manager, PG-III E-Mail: gjain@bhel.in Ph. No. +91-120-4368835; Mob: 8800990290
M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, Plot No 25, Sector-16A, Noida-201301, U.P., INDIA		

10. IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote **Single Price** i.e. **Total Cost to BHEL (Total FOR site price excluding GST)** in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight charges, Insurance charges (if applicable), Cost of withdrawal (if any), including loading (if any), De-loading (if any) shall be done in line with NIT terms. Reverse auction details and guidelines shall be as per GCC Rev 07.

Link for RA guidelines to be followed as:

http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf

Note:- Prices of supervision of E & C are firm and same are not considered for evaluation during reverse auction/PBO. Unit rate for item Sl. No. 1.1 (charges per visit) & 1.2 (mandays charges) of supervision of E & C BOQ are Rs. 20,000/- and Rs. 5000/- respectively. (GST shall be payable extra at actuals). Separate PO will be placed for supervision of E & C based on above unit rates and quantity as mentioned in BOQ.

11. Evaluation will be done on L1 (Total cost to BHEL excluding GST) basis.
12. CIF content is not available for this package.
13. For this procurement, Public Procurement (preference to make in India), order 2017, Dt:- 15.06.17, 28.05.18 & 29.05.19 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/PO/WO against this NIT. In the event of any nodal ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Vendors are requested to go through the above mentioned orders and confirm the following: -

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- The local supplier at the time of tender, bidding, solicitation, shall be required to provide self-certification that the item offered meets the minimum local content as per above mentioned orders and shall give details of location(s) at which the local value addition is made as per enclosed **annexure –IV to NIT**.
 - Subject package is **not divisible** in nature, purchase preference shall be **20%** and minimum local content requirement is **100%**
14. Bidder to note that this is a conditional Open Tender enquiry and the price bid (Part-II) opening/RA participation shall be subject to following condition: -
- A) Meeting of Technical PQR
 - B) Techno-commercial qualification/recommendation of bidder by the BHEL-PEM.
 - C) Customer (UPRVUNL/NTPC) approval. Same shall be taken up by BHEL-PEM with customer based on the credentials/reference list/experience list. Bidders to submit the credentials as per NTPC sub vendor questionnaire for approval.
15. Integrity pact (IP) shall be applicable for subject tender enquiry and bidders to note the following w.r.t to IP:-
- (a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitors (IEMs) have been appointed to oversee implementation of IP in BHEL.
- The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification. Details of IEM for this tender is furnished below:

1. Shri Arun Chandra Verma, IPS (Retd.) Flat No. C -1204, C Tower, Amrapali, Platinum Complex, Sector 119, Noida (U.P.) acverma1@gmail.com	2. Shri Virendra Bahadur Singh, IPS (Retd.) H. No. B-5/64, Vineet Khand, Gomti Nagar, Lucknow - 226010 vbsinghips@gmail.com
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b) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the IEM mentioned in the tender.

Note: No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department

For all clarifications/ issues related to the tender, please contact dealing persons of BHEL PEM (contact details provided above at Sl. No. 9 of NIT terms & conditions.

16. Payment terms shall be as follows: -

a) For Main Supply including E&C spares: -

Payment of basic price of material supplied, along with freight and GST shall be paid against receipt of material at site on pro-rata basis. 15% of basic price of materials supplied will be retained as security deposit which will be released on pro-rata basis as per details below: -

Ten percent (10%) will be released on pro-rata basis after submission of Material Receipt Certificate (MRC) from project site engineer of Owner/ Purchaser. For obtaining MRC from project site/ owner, vendor shall depute their representative to project site. Packages shall be opened at site in presence of vendor representative for verification of material supplied. If any material found damaged/short supplied during verification, then vendor shall be responsible for replenishment.

Five percent (5%) will be released after submission of 'As Built drawings' prepared by vendor subsequent to inspection of installation, handover of installation and receipt of "as built markup" drawings from site. BHEL site engineer shall arrange for joint inspection of the installation by purchaser's and customer's representative for completeness and correctness of the work. In case of any defect pointed out during such inspection, revised drawing (s) for corresponding design of lighting system shall be promptly issued by vendor. Vendor shall be responsible for their design till completion of work and handing over to end client.

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- b) **For Supervision of E&C:** 100% payment shall be released after successful completion of the activity on Site certification.
- c) **For Mandatory Spares:** As per clause no. 9.1 of GCC Rev 07
17. A pre bid meeting will be organised one (01) week before techno commercial bid (Part- I) opening i.e **18.05.20, 11.00 A.M** through online mode (details of same shall be shared separately) to facilitate fast ordering by addressing any issues (if any) of the bidders. Accordingly, all bidders are requested to please attend the meeting to address their respective pre bid queries (if any). All pre bid queries are solicited on or before Pre-Bid meeting in order to conclude the tender fast.
18. Bidders to ensure that Third party/Customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and E-mail Id etc. In case the same is found not available, BHEL has the right to reject such document from evaluation.
19. Average of percentage of freight quoted by techno commercial accepted bidders in subject tender shall be used to calculate freight factor at the time of reverse auction /price bid opening for evaluation purpose. (Bids with freight quoted as NIL/ Inclusive/NA shall be excluded in calculation of average freight).
20. For bidders (who are not registered with BHEL-PEM) -Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, can apply through Online Registration Portal available at www.bhelpem.com → vendor section → Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration may be uploaded on the website and submit the application for registration. However, registration of suppliers with BHEL is not mandatory in case of open tender.
21. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com, www.bhel.com & <https://bhel.abcpocure.com>) under subject tender reference. Bidders are requested to visit our websites from time to time to keep themselves updated. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal are also listed below:

Name	Contact Nos.	e-mail ID	Role	Location
Mukunthan	+91 6353215001	Trichy.bhel@eptl.in	Support Executive	Trichy
Tej Singh	+91 6353215002	Bhopal.bhel@eptl.in	Support Executive	Bhopal
Sanjeev Kumar	+91 6353215003	Jhansi.bhel@eptl.in	Support Executive	Jhansi
Gaurav Panwar	+91 6353215004	Haridwar.bhel@eptl.in	Support Executive	Haridwar
Mallikarjun	+91 6353215005	Bengaluru.bhel@eptl.in	Support Executive	Bangalore
Avinash Govu	+91 6353215007	Hyderabad.bhel@eptl.in	Support Executive	Hyderabad
Swapnil Hamilton	+91 7940270549	swapnil.h@eptl.in	Support Executive	HO- Ahmedabad
Hardik Oza	+91 7940270560	Hardik.oza@eptl.in	Support Executive	HO- Ahmedabad
Ankur Bhatt	+91 7940270590	ankur.bhatt@eptl.in	Support Executive	HO- Ahmedabad
Prashant Rajyaguru	+91 7940270545	prashant@eptl.in	AM-Implementation & Support	HO- Ahmedabad
Dharam Rathod	+91 7940270596	dharam@eptl.in	Mgr – Implementation & Support	HO- Ahmedabad
Pradip Parmar	+91 7940270532	pradip@eptl.in	SM – Implementation & Support	HO- Ahmedabad
Devang Patel	+91 7940270576	devang@eptl.in	SM – Implementation & Support	HO- Ahmedabad

22. Bidder to follow the instructions w.r.t packing list as per enclosed annexure –II to NIT.

Gaurav Jain/Sr. MGR/PGIII
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23. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in e-procurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.
24. Bidders to note that "This item /package/system falls under the list of items defined in para 3 of ministry of finance guideline date 20.09.16 (procurement of items related to public safety, health, critical security operations and Equipments etc.) & hence criteria of prior experience /turnover shall be same for all bidders including start up /MSME".
25. **Important Note w.r.t Mandatory Spares:-** Quantity against each item of Mandatory Spares in line with Customer Contract requirement shall be finalized after completion of Engg. and final qty. on quoted unit rates shall be furnished to successful bidder alongwith PO amendment for manufacturing.
26. All other terms and conditions of SCC (Rev 01) of project, NIT & GCC (Rev 07) shall be applicable for the subject package.
27. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT: -
- Acceptance of GCC Rev-07
 - Acceptance of Special Conditions of Contract (SCC Rev 01) for the project.
 - Technical & Commercial Deviations, if any along with Cost of withdrawal in bidding form
 - 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 in bidding form
 - Signed and stamped copy of Integrity Pact (IP)

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

Thanking You

Yours faithfully,
For and on behalf of BHEL-PEM

Gaurav Jain
(Sr. Manager/PG-III/BHEL-PEM)

Enclosures:

1. Technical Specification No. PE-TS-426-558-E001, Rev00
2. Technical PQR
3. SCC Rev 01
4. Delivery completion Schedule (Annexure –I)
5. Instruction to Packing List (Annexure –II)
6. BOQ (Main Supply + E & C Spares + Mandatory Spares)- Annexure –III
7. Format of Certification reg. Local content (annexure –IV)
8. Integrity Pact

PROJECT:- 1X 660 MW PANKI TPS
ANNEXURE I TO NIT NO. PE/PG/PKI/E-6431/2020, Dt:- 02.05.20
DELIVERY SCHEDULE FOR -LIGHTING FIXTURES, LAMPS & MISC ITEMS

Sl. No.	BHEL Drawing No	Drawing Title	Primary /Secondary	BHEL Inputs	Drg Sch for Vendors	Delivery Terms for Supply Portion incl. E & C Spares and Mandatory Spares	Scope of Services, (if any, as per Indent) and corresponding schedule for rendering the services
1	PE-V0-426-558-E101	OGA of equipments such as fixture, SBs, JBs, Receptacles, free standing ladder, Emergency exit sign, wheel mounted ladder, ceiling fans, ELU, etc.	Primary		R-0 within 14 days from lot clearance of released items & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	For Lot-1: Within 4 months from the approval of last applicable primary drawing/document for the released items in lot-1, subjected to drawing/document submission/re-submission schedule as stipulated, delay in initial submission (if any) of last submitted applicable primary drawing/document and/or delay in re-submissions of last applicable approved primary drawing/document (with reduction of overlapping period) shall be reduced from delivery period of four months. Delay in BHEL's comments/approval of last applicable approved primary drawing/document beyond 18 days shall also be considered for delay analysis.	Demonstration at site by vendor (Supervision of E & C):- Vendor to depute its service engineer for respective site activity within 15 days from BHEL's intimation (for deputing service engineer) for such site activity. For delay in deputing service engineer, LD on site activities portion shall be applicable @ ½% of the total site activities portion contract value (excluding element of taxes) per week or part thereof, with applicable GST. However, total LD (supply + site activities) shall be limited to 10% of cumulative total contract value excluding taxes and freight (supply + site activities).
2	PE-V0-426-558-E102	Datasheet of lamps, CFL, Fluorescent tube, PVC coated conduit	Primary				
3	PE-V0-426-558-E901	MQP FOR LUMINARIES	Primary				
4	PE-V0-426-558-E905	MQP FOR MISCELLANEOUS ITEMS	Primary				
5	PE-V0-426-558-E201	Lighting design Calculation	Secondary		Within 3 weeks from the date of BHEL input drawing & re-submission within 10 days of BHEL comments. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	Delivery of subsequent lots: Within 4 months from approval of last applicable primary drawing/document (of items released first time in present lot only) or lot clearance by BHEL, whichever is later. This is subjected to drawing/document submission/re-submission schedule as stipulated, delay in initial submission (if any) of last submitted applicable primary drawing/document and/or delay in re-submissions of last applicable approved primary drawing/document (with reduction of overlapping period) shall be reduced from delivery period of four months. Delay in BHEL's comments/approval of last applicable approved primary drawing/document beyond 18 days shall also be considered for delay analysis.	
6	PE-V0-426-558-E301	Lighting Layout	Secondary				
7	PE-V0-426-558-E401	Conduit Layout	Secondary		Within 10 days from the approval of respective LLOs	Mandatory Spares: Within four (04) months from the date of BHEL manufacturing clearance. Separate dispatch/ manufacturing clearance will be issued for mandatory spares.	
8	PE-V0-426-558-E103	MOUNTING ARRANGEMENT OF BULK HEAD FIXTURE	Secondary		Along with respective OGA		
9	PE-V0-426-558-E104	TYPE TEST REPORTS FOR LIGHTING FIXTURES	Secondary		Within 2 months from lot clearance for applicable items		
10	PE-V0-426-558-E105	FIELD QUALITY PLAN OF LIGHTING FIXTURES	Secondary		Within 3 months from PO		
11	PE-V0-426-558-E106	MOUNTING ARRANGEMENT drgs.	Secondary		Along with respective OGA		

Notes:-

- (i) The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- (ii) The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- (iii) Non-applicable drawings shall be decided during execution of the package.
- (iv) Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.

PROJECT: 1x 660 MW PANKI TPS
PACAKGE: - LIGHTING FIXTURES, LAMPS AND MISC. ITEMS
ANNEXURE -II TO NIT NO. PE/PG/PKI/E-6431/2020 Dt:- 02.05.20
INSTRUCTIONS TO PACKING LIST

For faster verification of bills, successful bidder to submit detailed Bill of Material (BOM) at the time of drawings/ documents submission after placement of PO. Each item of the BOM to be uniquely identified with item code no. or item Sl. No. Supplier to ensure that all items which will find separate mention in the packing list are covered in this detailed BOM.

Supplier to also give the following undertaking in the BOM:

"The BOM provided herewith completes the scope (in content and intent) of material supply under PO No. Dated Any additional material which may become necessary for the intended application of the supplied items/package will be supplied free of cost in most reasonable time.

Packing List must indicate:

- a) Packing size
- b) Gross weight and net weight of each package
- c) Contents of the package with cross reference to BOM item code no. / Sl. No.
- d) Quantity of each items separately.

The packing list must cover all the BOM items.

Supplier to give following undertaking in the packing list:

The Packing list provided herewith is as per BOM approved under PO No. -----

PROJECT:- 1x660 MW PANKI TPP**PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS****ANNEXURE -III TO NIT NO. PE/PG/PKI/E-6431/20120, Dt:- 02.05.20****BOQ - MAIN SUPPLY**

Sl. No	Item Description	Unit	Quantity	HSN CODES
1.0	Lighting Luminaires (Complete with accessories)			
1.1	Luminaire Type FC02 (LED)	Nos.	311	9405
1.2	Luminaire Type FC06 (LED)	Nos.	1231	9405
1.3	Luminaire Type FC07 (LED) DC	Nos.	90	9405
1.4	Luminaire Type FC26 (LED)	Nos.	200	9405
1.5	Luminaire Type FC30 (LED)	Nos.	978	9405
1.6	Luminaire Type FC32 (LED)	Nos.	212	9405
1.7	Luminaire Type FC33 (LED) DC	Nos.	26	9405
1.8	Luminaire Type FC34 (LED) DC	Nos.	143	9405
1.9	Luminaire Type FC81 (LED)	Nos.	407	9405
1.10	Luminaire Type SB11 (LED)	Nos.	155	9405
1.11	Luminaire Type SB02 (LED)	Nos.	354	9405
1.12	Luminaire Type SB03 (LED)	Nos.	109	9405
1.13	Luminaire Type SF63 (LED)	Nos.	94	9405
1.14	Luminaire Type SF64 (LED)	Nos.	53	9405
1.15	Luminaire Type SF66 (LED)	Nos.	114	9405
1.16	Luminaire Type SS61 (LED)	Nos.	10	9405
1.17	Luminaire Type SS62 (LED)	Nos.	782	9405
1.18	Luminaire Type SS63 (LED)	Nos.	234	9405
1.19	Luminaire Type SW41 (LED)	Nos.	3973	9405
1.20	Luminaire Type SW42 (LED)	Nos.	704	9405
1.21	Luminaire Type MW96 (LED)	Nos.	385	9405
1.22	Downlighter (LED)	Nos.	953	9405
1.23	Luminaire Type 30-40 W (LED) FC 30 with Dimmable ballast	Nos.	359	9405
1.24	Downlighter (LED) dimmable	Nos.	11	9405
2.0	GREEN BUILDING COMPLIANCE			
2.1	Occupancy Sensor	Nos.	155	9999
2.2	Lighting Sensor System	Nos.	3	9030
2.3	Lighting Dimmer System	Nos.	1	9030
2.4	Control System (Green Building)	Nos.	3	9030
3.0	Switch boxes			
3.1	Switch boxes Type SWB1	Nos.	647	8536
3.2	Switch boxes Type SWB2	Nos.	331	8536
3.3	Switch boxes Type SWB3	Nos.	66	8536
4.0	Junction boxes			
4.1	Junction boxes Type JB-F	Nos.	10572	8536
4.2	Junction boxes Type JB-FE	Nos.	407	8536
5.0	Receptacles			
5.1	Receptacles Type RA	Nos.	296	8536
5.2	Receptacles Type RA (Flame proof)	Nos.	10	8536
5.3	Receptacles Type RB	Nos.	517	8536
5.4	Receptacles Type RC	Nos.	96	8536
5.5	Receptacles Type RC (Flameproof)	Nos.	1	8536
5.6	Receptacles Type RD	Nos.	1	8536
6.0	Fans			
6.1	Ceiling fan 1200 mm sweep	Nos.	47	8414
6.2	Pedestal Fan	Nos.	12	8414
7.0	Flexible PVC coated conduit			

PROJECT:- 1x660 MW PANKI TPP**PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS****ANNEXURE -III TO NIT NO. PE/PG/PKI/E-6431/2020 Dt:- 02.05.20****BOQ - MAIN SUPPLY**

Sl. No	Item Description	Unit	Quantity	HSN CODES
7.1	20 mm dia PVC coated conduit	Mtrs	15000	8307
8.0	Emergency lighting Units			
8.1	ELU (complete with Ni-Cd battery and 2 x 9W fluorescent lamp)	Nos.	30	8513
9.0	24V supply module & lamp unit complete with all accessories			
9.1	Fixed type 24V supply modules	Nos.	5	8537
9.2	Portable type 24V supply modules	Nos.	5	8537
9.3	Portable halogen lamp unit	Nos.	10	9405
9.4	5A, 24V industrial type sockets	Nos.	40	8536
10.0	Ladder			
10.1	Wheel Mounted adjustable telescopic ladder	Nos.	1	7616
10.2	Free standing ladder(Adjustable from 5Mtr to 10Mtr)	Nos.	4	7616
11.0	EXIT SIGN	Nos.	40	9405
12.0	E&C SPARES (Break Up as per Annexure-III A)	LOT	1	9405, 8539
13.0	MANDATORY SPARES (Break Up as per Annexure-III B)	LOT	1	9405, 8539,8536
Notes:				
	1. Container as per Specification are to be supplied along with first supplies. The price of container is deemed to be included in package price. No separate charges shall be payable.			
	2. The material shall be supplied in LOTS. LOTS shall be released progressively based on approved conduit layout of different areas and project requirement.			
	3. Lighting system design charges are deemed to be included in the price of above items. No separate charges for design activity will be payable.			
	4. For item at Sl. No 1 above "Lighting Luminaries (complete with accessories)", the quantity variation shall be calculated at the total order value against item at Sl. No 1 (i.e. sum of order value of sub items 1.1 to 1.23)			

PROJECT:- 1x660 MW PANKI TPP
PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS
ANNEXURE -III A TO NIT NO. PE/PG/PKI/E-6431/2020 , Dt:- 02.05.2020
BOQ - E & C SPARES

(Detailing of Sl. No. 12 of Annexure-III)

Sl. No	Item Description	Unit	QTY	HSN CODES
1.0	Lighting Luminaires (Complete with accessories)			
1.1	Luminaire Type FC02 (LED)	Nos.	16	9405
1.2	Luminaire Type FC06 (LED)	Nos.	62	9405
1.3	Luminaire Type FC07 (LED) DC	Nos.	5	9405
1.4	Luminaire Type FC26 (LED)	Nos.	10	9405
1.5	Luminaire Type FC30 (LED)	Nos.	49	9405
1.6	Luminaire Type FC32 (LED)	Nos.	11	9405
1.7	Luminaire Type FC33 (LED) DC	Nos.	1	9405
1.8	Luminaire Type FC34 (LED) DC	Nos.	7	9405
1.9	Luminaire Type FC81 (LED)	Nos.	20	9405
1.10	Luminaire Type SB11 (LED)	Nos.	8	9405
1.11	Luminaire Type SB02 (LED)	Nos.	18	9405
1.12	Luminaire Type SB03 (LED)	Nos.	5	9405
1.13	Luminaire Type SF63 (LED)	Nos.	5	9405
1.14	Luminaire Type SF64 (LED)	Nos.	3	9405
1.15	Luminaire Type SF66 (LED)	Nos.	6	9405
1.16	Luminaire Type SS61 (LED)	Nos.	1	9405
1.17	Luminaire Type SS62 (LED)	Nos.	39	9405
1.18	Luminaire Type SS63 (LED)	Nos.	12	9405
1.19	Luminaire Type SW41 (LED)	Nos.	199	9405
1.2	Luminaire Type SW42 (LED)	Nos.	35	9405
1.21	Luminaire Type MW96 (LED)	Nos.	19	9405
1.22	Downlighter (LED)	Nos.	48	9405
1.23	Luminaire Type 30-40 W (LED) FC 30 with Dimmable ballast	Nos.	18	9405
1.24	Downlighter (LED) dimmable	Nos.	1	9405
2	GREEN BUILDING COMPLIANCE			
2.1	Occupancy Sensor	Nos.	8	9999
2.2	Lighting Control Sensor	Nos.	10	9030
2.3	Lighting Dimmer Card	Nos.	1	9030
2.4	Control System Card	Nos.	1	9030
3.0	Led Driver for			
3.1	Luminaire Type FC02 (LED)	Nos.	4	9405
3.2	Luminaire Type FC06 (LED)	Nos.	2	9405
3.3	Luminaire Type FC07 (LED) DC	Nos.	2	9405
3.4	Luminaire Type FC26 (LED)	Nos.	2	9405
3.5	Luminaire Type FC30 (LED)	Nos.	2	9405
3.6	Luminaire Type FC32 (LED)	Nos.	2	9405
3.7	Luminaire Type FC33 (LED) DC	Nos.	2	9405
3.8	Luminaire Type FC34 (LED) DC	Nos.	2	9405
3.9	Luminaire Type FC81 (LED)	Nos.	2	9405
3.10	Luminaire Type SB11 (LED)	Nos.	2	9405
3.11	Luminaire Type SB02 (LED)	Nos.	2	9405
3.12	Luminaire Type SB03 (LED)	Nos.	2	9405
3.13	Luminaire Type SF63 (LED)	Nos.	2	9405
3.14	Luminaire Type SF64 (LED)	Nos.	2	9405
3.15	Luminaire Type SF66 (LED)	Nos.	2	9405

PROJECT:- 1x660 MW PANKI TPP
PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS
ANNEXURE -III A TO NIT NO. PE/PG/PKI/E-6431/2020 , Dt:- 02.05.2020
BOQ - E & C SPARES

(Detailing of Sl. No. 12 of Annexure-III)

Sl. No	Item Description	Unit	QTY	HSN CODES
3.16	Luminaire Type SS61 (LED)	Nos.	2	9405
3.17	Luminaire Type SS62 (LED)	Nos.	2	9405
3.18	Luminaire Type SS63 (LED)	Nos.	2	9405
3.19	Luminaire Type SW41 (LED)	Nos.	2	9405
3.20	Luminaire Type SW42 (LED)	Nos.	2	9405
3.21	Luminaire Type MW96 (LED)	Nos.	2	9405
3.22	Downlighter (LED)	Nos.	4	9405
3.23	Luminaire Type 30-40 W (LED) FC 30 with Dimmable ballast	Nos.	2	9405
3.24	Downlighter (LED) dimmable	Nos.	2	9405
4.0	Switch boxes			
4.1	Switch boxes Type SWB1	Nos.	32	8536
4.2	Switch boxes Type SWB2	Nos.	17	8536
4.3	Switch boxes Type SWB3	Nos.	3	8536
5.0	Junction boxes			
5.1	Junction boxes Type JB-F	Nos.	529	8536
5.2	Junction boxes Type JB-FE	Nos.	41	8536
6.0	Receptacles			
6.1	Receptacles Type RA	Nos.	15	8536
6.2	Receptacles Type RA (Flame proof)	Nos.	1	8536
6.3	Receptacles Type RB	Nos.	26	8536
6.4	Receptacles Type RC	Nos.	5	8536

PROJECT:- 1x660 MW PANKI TPP
PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS
ANNEXURE -III B TO NIT NO. PE/PG/PKI/E-6431/2020 , Dt:- 02.05.20
BOQ - MANDATORY SPARES

(Detailing of Sl. No. 13 of Annexure-III)

Sl. No	Item Description	Unit	QTY	HSN CODES
1.0	Lighting Luminaires (Complete with accessories)			
1.1	Luminaire Type FC02 (LED)	Nos.	32	9405
1.2	Luminaire Type FC06 (LED)	Nos.	124	9405
1.3	Luminaire Type FC07 (LED) DC	Nos.	9	9405
1.4	Luminaire Type FC26 (LED)	Nos.	20	9405
1.5	Luminaire Type FC30 (LED)	Nos.	98	9405
1.6	Luminaire Type FC32 (LED)	Nos.	22	9405
1.7	Luminaire Type FC33 (LED) DC	Nos.	3	9405
1.8	Luminaire Type FC34 (LED) DC	Nos.	15	9405
1.9	Luminaire Type FC81 (LED)	Nos.	41	9405
1.10	Luminaire Type SB11 (LED)	Nos.	16	9405
1.11	Luminaire Type SB02 (LED)	Nos.	36	9405
1.12	Luminaire Type SB03 (LED)	Nos.	11	9405
1.13	Luminaire Type SF63 (LED)	Nos.	10	9405
1.14	Luminaire Type SF64 (LED)	Nos.	6	9405
1.15	Luminaire Type SF66 (LED)	Nos.	12	9405
1.16	Luminaire Type SS61 (LED)	Nos.	1	9405
1.17	Luminaire Type SS62 (LED)	Nos.	79	9405
1.18	Luminaire Type SS63 (LED)	Nos.	24	9405
1.19	Luminaire Type SW41 (LED)	Nos.	398	9405
1.20	Luminaire Type SW42 (LED)	Nos.	71	9405
1.21	Luminaire Type MW96 (LED)	Nos.	39	9405
1.22	Downlighter (LED)	Nos.	96	9405
1.23	Luminaire Type 30-40 W (LED) FC 30 with Dimmable ballast	Nos.	36	9405
1.24	Downlighter (LED) dimmable	Nos.	2	9405
2.0	Switch boxes			
2.1	Type SWB1	Nos.	5	8536
2.2	Type SWB2	Nos.	5	8536
2.3	Type SWB3	Nos.	5	8536
3.0	Junction boxes			
3.1	Type JB-F	Nos.	1058	8536
3.2	Type JB-FE	Nos.	41	8536
4.0	Receptacles			
4.1	Type RA	Nos.	5	8536
4.2	Type RA (Flame proof)	Nos.	5	8536
4.3	Type RB	Nos.	5	8536
4.4	Type RC	Nos.	5	8536
5.0	Rotary Switches	Nos.	1	8536

Note:- Qty. against each item of Mandatory Spares in line with Customer contract requirement (10% of installed qty.) shall be finalized after completion of Engg. and final qty. on quoted unit rates shall be furnished to successful bidder along with PO amendment for manufacturing.

PROJECT:- 1x660 MW PANKI TPP
PACKAGE: LIGHTING FIXTURES, LAMPS & MISC ITEMS
ANNEXURE -A TO NIT NO. PE/PG/PKI/E-6431/2020 , Dt:- 02.05.20
BOQ - SUPERVISION OF E&C

Sl. No	Item Description	Unit	Quantity	SAC	Unit Rate
1	SUPERVISION OF E&C	LOT			
1.1	Supervision of E&C - Charges per Visit	Visit	5	995461	20000
1.2	Supervision of E&C - Mandays Charges	Days	45	995461	5000

Notes:

1. For supervision of E&C 5(Five) Visits and 45 (Forty Five) Mandays to be considered. The prices shall be inclusive of charges of Airfare (To & Fro), Boarding, Lodging, Medical, Insurance etc.
2. Amount payable per visit = Visit charges as per Sl. No 1.2 above (+) Unit Price for mandays charges as per Sl. No 1.2 above (x) No. of mandays atsite (to be certified by BHEL Site)
3. The total Mandays mentioned for supervision of E&C also include Mandays of inspection of installation for completeness and correctness of work.
4. Unit rate for 1.1 and 1.2 above shall remain firm. Supervision of E&C rates shall not be considered for price evaluation.
5. Nos. of visit for supervision of E&C may increase based on project requirement.
6. GST at applicable rates shall be payable extra on Supervision of E&C charges

PROJECT: 1x 660 MW PANKI TPS
PACAKGE: - LIGHTING FIXTURES, LAMPS & MISC ITEMS
ENQUIRY NO. PE/PG/PKI/E-6431/2020, Dt:-02.05.20
ANNEXURE IV- CERTIFICATE REGARDING LOCAL CONTENT

Letter head of Company

Ref.....

Date.....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building, Plot No 25,

Sector -16A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items offered by us of(package name)..... (Project Name/Rate contract)..... meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated-15.06.2017, 28.05.2018 & 29.05.2019.

We further confirms that details of location at which the local value addition is made will be our registered works at(address of the works)

Yours very truly

..... (authorized signatory of company)

..... (firm name)

authorized signatory
of company

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ANNEXURE– VIII

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at “BHEL House”, Siri Fort, New Delhi – 110049 (India) hereinafter referred to as “The Principal”, which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as “The Bidder/ Contractor” which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits

	PROJECT ENGINEERING MANAGEMENT	GENERAL CONDITIONS OF CONTRACT (GCC) Revision no. 07	ANNEXURES
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himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

Section 3 – Disqualification from tender process & exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors". framed by the Principal.

Section 4 – Compensation for Damages

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 – Previous Transgression

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

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5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/ Contractors/ Sub-contractors

6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain

responsible for any default by his sub-contractors.

6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 – Criminal Charges against violating Bidders / Contractors / Sub-contractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 –Independent External Monitor(s)

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non-disclosure agreement.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.

8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.

8.7 The IEMs would examine all complaints received by them and give their recommendations! views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious

	PROJECT ENGINEERING MANAGEMENT	GENERAL CONDITIONS OF CONTRACT (GCC) Revision no. 07	ANNEXURES
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irregularities requiring legal! administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.

8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.9 IEM should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organization.

8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code! Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.12 The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty! guarantee etc. should be outside the purview of IEMs.

9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 – Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On behalf of the Principal
(Office Seal)

For & On behalf of the Bidder/ Contractor
(Office Seal)

Place-----

Date-----

Witness: _____
(Name & Address) _____

Witness: _____
(Name & Address) _____