

Ref. Enquiry No.: PE/PG/PA1/E-6648/2021, Dated 27.05.2021

DUE DATE
07/06//2021
BY 11:00 AM

Dear Sir/ Ma'am,

Subject: Open tender Enquiry for "LIGHTING FIXTURES, LAMPS & MISC. ITEMS" as per Technical Specification No. PE-TS-434-558-E006, Rev 00 for 3X800 MW PVUNL PATRATU TPP PHASE-I.

BHEL invites your offers for Design, Manufacture, assembly, Inspection & testing at vendor's/sub-vendor's works, proper packing and delivery to site of LIGHTING FIXTURES, LAMPS & MISC. ITEMS, Erection & Commissioning Spares, Mandatory Spares as mentioned in different sections of technical specification PE-TS-434-558-E006, Rev-0 and supervision for Erection & commissioning & agreements till placement of order for 3X800 MW PVUNL PATRATU TPP PHASE-I.

Your best quotation / offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of General Conditions of Contract (GCC), Rev. 07.

Item Description – DEBRIS FILTER			
Sl. No.	Project	TECHNICAL SPECIFICATIONS	Delivery completion schedule
1	3X800 MW PVUNL PATRATU TPP PHASE-I	PE-TS-434-558-E006 (Rev-0)	As per NIT

Your best quotation/offer for the above requirement, in line with tender terms and conditions, should be submitted **online via e-procurement system (NIC portal <https://eprocurebhel.co.in/nicgep/app>)**. It shall be the responsibility of the bidder to ensure that the tender is submitted on or before the due **date by 11:00 A.M.** Part-I bids shall be opened **at 03:00 P.M.** on the due date.

Note: 1. Detailed Tender documents / Corrigenda, addenda, amendments, time extensions, clarifications etc. can be downloaded / accessed from the following websites:-

- <https://eprocurebhel.co.in>,
- <https://www.bhel.com/tenders>;
- <https://pem.bhel.com/Home.aspx>

Bidders are requested to upload their best offer on <https://eprocurebhel.co.in> only.

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

ENQUIRY TERMS AND CONDITIONS:-

- 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 see Clause No. 1.0 & 2.0 of "Instructions to Bidders (Vol-I, GCC Rev. 07)".

- 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. Web link of GCC Rev 07 shall be as below, bidders may download the GCC Rev 07 from the given web link and go through the same before quoting: -
<https://pem.bhel.com/Documents/GCC/GCCRev07.pdf>
- Bidders to note that following form the part of tender documents & will become a part of the Order / Contract after its finalisation:
 - General Conditions of Contract (GCC) Rev 07 comprising of: Instructions to Bidders and General Commercial Terms & Conditions
 - Technical Specifications

YATENDRA
KUMAR SINGH

Kingshuk Kumar Das /Manager/PGIII
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- c. Technical & Financial Pre-Qualifying Requirements (PQR)
- d. Special Conditions of Contract (SCC), Rev. 00
- e. Enquiry terms & conditions (NIT)
- f. NTPC's Main & Sub-supplier questionnaire.
- g. Integrity pact
- h. Format for Local Content Certification.

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 in the bidding format in E-Procurement portal (NIC portal). 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 of GCC Rev.07.
6. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS as per General Conditions of Contracts (GCC, Rev.07), Special Conditions of Contract and Notice Inviting Tender (NIT)" in case of no deviations.
7. Unsolicited fresh/revised bids shall not be entertained.
8. If any bidder has mentioned the term "Not Applicable" / "not required" / "not quoted" in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost by the successful bidder.
9. 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.
10. 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).
11. Offers should be submitted separately in two parts online through e-procurement system only (NIC portal), however, all correspondence thereof, shall be addressed to the following persons and sent at the following address:

Mr. Y K Singh Engineer, PG-III E-mail: yksingh@bhel.in Ph. +91-120-4368926; Mob: 9990772660	Mr. KINGSHUK KUMAR DAS Manager, PG-III E-Mail: kingshuk@bhel.in Ph. No. +91-120-4368570; Mob: 9560887731	Mr. SANDEEP KUMAR DGM, PG-III E-Mail: sandeepkr@bhel.in Ph. No. +91-120-4368942; Mob: 9810331191
M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, Plot No 25, Sector-16A, Noida-201301, U.P., INDIA		

12. **Payment Terms: -**

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.

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Five percent (5%) will be released on submission of soft and hard copies of final approved drgs. /docs. (including O & M Manual).

- b) **For Mandatory Spares:** As per clause no. 9.1 of GCC Rev 07.
c) **For Supervision of E&C:** 100% payment shall be released after successful completion of the activity on Site certification.

13. Evaluation will be done on Total Cost to BHEL basis (excluding GST) as per Cl. No. 19.2 of Instruction to Bidders of GCC, Rev. 07

14. **Delivery Schedule:**

- **Main Supply Including Erection & Commissioning Spares for Unit-I:** Within Four (04) months from date of CAT-I approval of "PRIMARY" drawings / documents subjected to drawing / document submission / re-submission schedule as stipulated below:

BHEL Drawing No	Drawing Title	Primary/Secondary	Drg Sch for Vendors
PE-V0-XXX-558-E101	OGA of equipments such as fixture, SBs, JB's, Receptacles, free standing ladder, Emergency exit sign, wheel mounted ladder, ceiling fans, ELU, etc.	Primary	R-0 within 28 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.
PE-V0-XXX-558-E102	Datasheet of lamps, CFL, Fluorescent tube, PVC coated conduit	Primary	
PE-V0-XXX-558-E901	MQP FOR LUMINARIES	Primary	
PE-V0-XXX-558-E905	MQP FOR MISCELLANEOUS ITEMS	Primary	
PE-V0-XXX-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.
PE-V0-XXX-558-E301	Lighting Layout	Secondary	
PE-V0-XXX-558-E401	Conduit Layout	Secondary	Within 10 days from the approval of respective LLOs
PE-V0-XXX-558-E103	MOUNTING ARRANGEMENT OF BULK HEAD FIXTURE	Secondary	Along with respective OGA
PE-V0-XXX-558-E104	TYPE TEST REPORTS FOR LIGHTING FIXTURES	Secondary	Within 2 months from lot clearance for applicable items
PE-V0-XXX-558-E105	FIELD QUALITY PLAN OF LIGHTING FIXTURES	Secondary	Within 3 months from PO
PE-V0-XXX-558-E106	MOUNTING ARRANGEMENT drgs.	Secondary	Along with respective OGA

In case of any delay in submission / re-submission of "PRIMARY" drawings / documents, then same shall be reduced from the given delivery period. Delay in BHEL's comments / approval beyond 18 days shall also be considered for delay analysis.

- **Main Supply including Erection & Commissioning Spares for Unit-II & III:** - 4 months from the date of BHEL clearance based on PMG / Site clearance.

- **Mandatory Spares:** - 4 months from the date of BHEL clearance.

- **Supervision of Erection & Commissioning:** - Bidder to depute their service engineer at site within 15 days from the date of intimation by BHEL for respective units.

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Further, following to be made the part of NIT: -

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

15. Evaluation Conditions: - BHEL shall be finalizing this tender through Reverse Auction. Vendor to quote suitably."

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among the techno commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered for RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

Vendors to note that above RA clause will supersede clause no 13 of "Instruction to Bidders" of GCC Rev 07

16. Quantity Variation: -

- a. The variation on overall package value due to changes in the scope shall be +/- 30% of contract value which will prevail over the variation mentioned in clause no. 6.0 of GCTC OF GCC (Rev. 07).
- b. Quantities released (in lots/units) up to 100% of contract value shall be intimated within 02 years from date of original PO.
- c. Quantity variation of supply and supervision of E&C up to 30% of order value may exceed 02 years.
- d. Prices shall remain firm for supply as well as supervision of E&C till completion of the contract.

17. Bidder to note that this is a conditional Open (Indian) Tender enquiry. Hence, Price Bid (Part-II) Opening shall be subject to following criterion:

- i. Techno-commercial qualification / recommendation of bidder by BHEL-PEM.
- ii. Approval of bidder by Customer: - Approval shall be taken up by BHEL with customer based on the credentials / reference list. Hence, Bidders are requested to submit the following (as part of their credentials): -
 - Reference list indicating P.O. details, customer name, P.O. date, execution date etc.
 - Performance certificate issued by the clients.
 - NTPC's Main & Sub-supplier questionnaire (enclosed with enquiry) and submit all the supportive documents against details furnished therein (signed & stamped on each page)
- iii. **Pre-Qualifying Requirements: -** Bids of only those bidders shall be evaluated who meet the Technical & Financial pre-qualifying requirements.

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.

18. In case of joint bidding, Bidders shall be required to furnish scope matrix which should be clearly defined between them along with the offer for the complete scope as per NIT.

19. For bidders (who are not registered with BHEL-PEM) -Online Registration Portal is operational in BHEL. Registration in BHEL-PEM is not mandatory for this tender. However, 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.

20. CIF is not available for this package.

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21. For this procurement, Public Procurement (Preference to Make in India), Order 2017 dt. 15/06/2017, 28/05/2018, 29/05/2019 & 04/06/2020 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.
22. For this procurement, the local content to categorize a supplier as a Class I Local Supplier / Class II Local Supplier / Non Local supplier and Purchase preference to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 04/06/2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.

Regarding verification of local content, the local supplier at the time of tender, bidding or solicitation shall be required to provide certification (in the prescribed format) that the item offered meets the minimum local content as per above mentioned orders and shall give details of the location(s) at which the local value addition is made.

23. Bidders has to ensure compliance to Ministry of Power (MoP) Order No. 25-11/6/2018-PG dt. 02/07/2020 & Order No. 11/05/2018-Coord. dt. 23/07/2020, if applicable.
24. Bidders has to ensure compliance to Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020 (Restrictions under Rule 144 (xi) of the GFR,2017) and bidder has to submit "Model Certificate for Tenders" as per Annexure-III of same.
25. Only Class-I Local Suppliers are eligible to bid in this tender.
26. The nature of package is "Non-divisible.
27. As per Department of Expenditure (DoE) OM No. 6/9/2020-PPD dt. 24/08/2020, it is mandatory for all the bidders to provide their GeM Seller ID.
28. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.pem.bhel.com, www.bhel.com & <https://eprocurebhel.co.in>) 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 (NIC) Portal is available at website i.e. <https://eprocurebhel.co.in>.
29. 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.
30. Bidders to quote the freight in terms of percentage of Total Ex-works price.
31. 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".
32. Following point and guidelines regarding Remote inspection method to be complied with by bidders:

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"Due to COVID-19 pandemic condition prevailing in the country, BHEL/PEM may go for Remote Inspection of Offered items, if required. Vendors are requested to be equipped with the facilities/gadgets as indicated in the guidelines attached **to take up the inspection REMOTELY.**"

33. The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). 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. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.
34. In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss / draw of lots, in the presence of the respective L-1 bidder(s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.
35. Performance Bank Guarantee: Performance Security amount shall be @5% of the value of contract (excluding taxes duties & freight).
36. MSME bidders will have to furnish the UAM details.
37. MSME / Start-up Vendors to submit applicable documents along with their offer for availing the benefits as per GOI guidelines. Further PEM is already registered with RXIL (TReDS) Platform. You are requested to get registered with RXIL (TReDS) Platform to avail the facility as per GOI guidelines.
38. Bidder to follow the instructions w.r.t. packing list as enclosed.
39. All other terms and conditions of NIT, GCC (Rev 07) & SCC (Rev 00) of project, shall be applicable for the subject package.
40. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT: -
 - 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.
 - TECHNICAL & Financial PQR documents
 - Acceptance of GCC (Rev.-07)
 - Acceptance of Special Conditions of Contract (SCC) Rev. 00.
 - Technical & Commercial Deviations, if any along with Cost of withdrawal.
 - Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.
 - Local content Certification.
 - Dully filled & signed and stamp copy of integrity pact.
 - Model Certificate for Restrictions under Rule 144 (xi) of the GFR,2017.

Thanking You

Yours faithfully,
For and on behalf of BHEL-PEM

**YATENDRA
KUMAR SINGH**

Digitally signed by YATENDRA KUMAR SINGH
DN: c=IN, o=BHARAT HEAVY ELECTRICALS LIMITED, ou=BHEL /
PS PEM, postalCode=201301, st=Uttar Pradesh,
2.5.4.20=9c-9f7b5d5c0b7f4e335649f1a2b114f54c4d125
f6b9f45a04038143354e,
serialNumber=d66529c3a078854136acc104d38428a20c54f
d9e4658b9501776a381f5, cn=YATENDRA KUMAR SINGH
Date: 2021.05.27 11:46:05 +05'30'

Y K SINGH
(ENGINEER/PG-III/BHEL-PEM)

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Enclosures:

1. Technical Specification No. **PE-TS-434-558-E006 (Rev. 00)**
2. Technical /Financial PQR
3. NTPC's Main & Sub-supplier questionnaire
4. BOQ cum Unpriced format
5. GCC (Rev. 07)- <https://pem.bhel.com/Documents/GCC/GCCRev07.pdf>
6. SCC (Rev. 00)
7. Guidelines for remote inspection
8. Instructions to Packing List.
9. Format for Local Content Certification.
10. Ministry of Power (MoP) Order No. 25-11/6/2018-PG dt. 02/07/2020 & Order No. 11/05/2018-Coord. dt. 23/07/2020.
11. Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020

Project: 3X800MW PATRATU TPS
Package: MAIN SUPPLY and E & C Spares-LIGHTING FIXTURES,LAMPS & MISC. ITEMS
BOQ cum Price Schedule

SR. No.	ITEM DESCRIPTION	UOM	Total Quantity	Unit-1	Unit-2	Unit-3	HSN CODE
	Main Supply Items						
1	Fixtures						
1.01	Luminaire Type FC02 (LED)	Nos.	772	258	257	257	9405
1.02	Luminaire Type FC06 (LED)	Nos.	3290	1097	1097	1096	9405
1.03	Luminaire Type FC07 (LED)-DC	Nos.	310	104	103	103	9405
1.04	Luminaire Type FC30 (LED)	Nos.	2251	751	750	750	9405
1.05	Luminaire Type FC32 (LED)	Nos.	201	67	67	67	9405
1.06	Luminaire Type FC33 (LED)-DC	Nos.	328	110	109	109	9405
1.07	Luminaire Type FC34 (LED)-DC	Nos.	1205	402	402	401	9405
1.08	Luminaire Type FC81 (LED)	Nos.	562	187	187	188	9405
1.09	Luminaire Type SB11 (LED)	Nos.	348	116	116	116	9405
1.1	Luminaire Type SB02 (LED)	Nos.	830	277	277	276	9405
1.11	Luminaire Type SB03 (LED)	Nos.	263	88	88	87	9405
1.12	Luminaire Type SF63 (LED)	Nos.	454	152	151	151	9405
1.13	Luminaire Type SF64 (LED)	Nos.	165	55	55	55	9405
1.14	Luminaire Type SS62 (LED)	Nos.	928	310	309	309	9405
1.15	Luminaire Type SS63 (LED)	Nos.	875	292	292	291	9405
1.16	Luminaire Type SW41 (LED)	Nos.	20763	6921	6921	6921	9405
1.17	Luminaire Type SW42 (LED)	Nos.	3851	1284	1284	1283	9405
1.18	Luminaire Type MW96 (LED)	Nos.	453	151	151	151	9405
1.19	Luminaire Type MW98 (LED)	Nos.	18	6	6	6	9405
1.2	Downlighter LED (18 W = 6x3W)	Nos.	328	110	109	109	9405
1.21	Luminaire Type FC30 (LED) with Dimmable ballast	Nos.	172	58	57	57	9405
1.22	Downlighter LED (18 W = 6x3W) Dimmable	Nos.	1261	421	420	420	9405
1.23	Cove Light LED	Nos.	530	177	177	176	9405
2	Switch boxes for individual control of circuits						
2.01	Decorative Type SWB1	Nos.	823	275	274	274	8536
2.02	Decorative Type SWB2	Nos.	414	138	138	138	8536
2.03	Decorative Type SWB3	Nos.	54	18	18	18	8536
2.04	Type SWB4	Nos.	6	2	2	2	8536
2.05	Type SWB5	Nos.	153	51	51	51	8536
3	Junction boxes						
3.01	Type JB-F	Nos.	36399	12133	12133	12133	8536
3.02	Type JB-FE	Nos.	324	108	108	108	8536
3.03	Type JB-S	Nos.	1573	525	524	524	8536
4	Receptacles						
4.01	Type RA	Nos.	1017	339	339	339	8536
4.02	Type RA (Flame proof)	Nos.	23	8	8	7	8536
4.03	Type RB	Nos.	603	201	201	201	8536
4.04	Type RC	Nos.	496	166	165	165	8536
4.05	Type RC flameproof	Nos.	3	1	1	1	8536

Project: 3X800MW PATRATU TPS
Package: MAIN SUPPLY and E & C Spares-LIGHTING FIXTURES,LAMPS & MISC. ITEMS
BOQ cum Price Schedule

SR. No.	ITEM DESCRIPTION	UOM	Total Quantity	Unit-1	Unit-2	Unit-3	HSN CODE
5	Fans						
5.01	Ceiling fan 1200 mm sweep	Nos.	89	30	30	29	8414
5.02	Pedestal Fan	Nos.	10	4	3	3	8414
6	Emergency lighting Units						
6.01	With Ni-Cd battery and 2 X 9W fluorescent lamp	Nos.	33	11	11	11	8513
7	Flexible electrogalvanised conduit						
7.01	20 mm dia TERENE conduit,1.6 mm thick	mtrs.	39626	13209	13209	13208	8307
8	24V supply module & lamp unit complete with all accessories						
8.01	Portable type 24V supply modules	Nos.	20	7	7	6	8537
8.02	Portable halogen lamp unit	Nos.	20	7	7	6	9405
8.03	5A, 24V industrial type sockets	Nos.	208	70	69	69	8536
9	Ladder						
9.01	Free standing ladder(Adjustable from 5Mtr to 10Mtr)	Nos.	10	4	3	3	7616
9.02	Wheel mounted ladder	Nos.	10	4	3	3	7616
10	EXIT SIGN	Nos.	96	32	32	32	9405
11	LIGHTING CONTROL SYSTEM						
11.01	OCCUPANCY SENSOR	Nos.	168	168	—	—	9999
11.02	CONTROL SYSTEM	Set	4	4	—	—	9030
11.03	LIGHTING SENSOR SYSTEM	Nos.	4	4	—	—	9030
11.04	LIGHTING DIMMER SYSTEM	Nos.	1	1	—	—	9030
	Erection and Commissioning Spares						
12	Fixtures						
12.01	Luminaire Type FC02 (LED)	Nos.	39	15	12	12	9405
12.02	Luminaire Type FC06 (LED)	Nos.	164	66	49	49	9405
12.03	Luminaire Type FC07 (LED)-DC	Nos.	16	6	5	5	9405
12.04	Luminaire Type FC30 (LED)	Nos.	113	45	34	34	9405
12.05	Luminaire Type FC32 (LED)	Nos.	10	4	3	3	9405
12.06	Luminaire Type FC33 (LED)-DC	Nos.	16	6	5	5	9405
12.07	Luminaire Type FC34 (LED)-DC	Nos.	60	24	18	18	9405
12.08	Luminaire Type FC81 (LED)	Nos.	28	12	8	8	9405
12.09	Luminaire Type SB11 (LED)	Nos.	17	7	5	5	9405
12.1	Luminaire Type SB02 (LED)	Nos.	42	16	13	13	9405
12.11	Luminaire Type SB03 (LED)	Nos.	13	5	4	4	9405
12.12	Luminaire Type SF63 (LED)	Nos.	23	9	7	7	9405
12.13	Luminaire Type SF64 (LED)	Nos.	8	4	2	2	9405
12.14	Luminaire Type SS62 (LED)	Nos.	46	18	14	14	9405
12.15	Luminaire Type SS63 (LED)	Nos.	44	18	13	13	9405

Project: 3X800MW PATRATU TPS
Package: MAIN SUPPLY and E & C Spares-LIGHTING FIXTURES,LAMPS & MISC. ITEMS
BOQ cum Price Schedule

SR. No.	ITEM DESCRIPTION	UOM	Total Quantity	Unit-1	Unit-2	Unit-3	HSN CODE
12.16	Luminaire Type SW41 (LED)	Nos.	1038	416	311	311	9405
12.17	Luminaire Type SW42 (LED)	Nos.	193	77	58	58	9405
12.18	Luminaire Type MW96 (LED)	Nos.	23	9	7	7	9405
12.19	Luminaire Type MW98 (LED)	Nos.	1	1	0	0	9405
12.2	Downlighter LED (18 W = 6x3W)	Nos.	16	6	5	5	9405
12.21	Luminaire Type FC30 (LED) with Dimmable ballast	Nos.	9	3	3	3	9405
12.22	Downlighter LED (18 W = 6x3W) Dimmable	Nos.	63	25	19	19	9405
12.23	Cove lighting	Nos.	27	11	8	8	9405
12.24	LED DRIVER	Nos.	50	20	15	15	9405
13	Switch boxes for individual control of circuits						
13.01	Decorative Type SWB1	Nos.	41	17	12	12	8536
13.02	Decorative Type SWB2	Nos.	21	9	6	6	8536
13.03	Decorative Type SWB3	Nos.	3	1	1	1	8536
13.04	Type SWB4	Nos.	1	1	0	0	8536
13.05	Type SWB5	Nos.	8	4	2	2	8536
14	Junction boxes						
14.01	Type JB-F	Nos.	1820	728	546	546	8536
14.02	Type JB-FE	Nos.	16	6	5	5	8536
14.03	Type JB-S	Nos.	79	31	24	24	8536
15	Receptacles						
15.01	Type RA	Nos.	51	21	15	15	8536
15.02	Type RA (Flame proof)	Nos.	1	1	0	0	8536
15.03	Type RB	Nos.	30	12	9	9	8536
15.04	Type RC	Nos.	25	9	8	8	8536
15.05	Type RC flameproof	Nos.	1	1	0	0	8536
16	LIGHTING CONTROL SYSTEM						
16.01	OCCUPANCY SENSOR	Nos.	8	4	2	2	9999
16.02	CONTROL SYSTEM CARD	Set	1	1	0	0	9030
16.03	LIGHTING SENSOR	Nos.	10	4	3	3	9030
16.04	LIGHTING DIMMER CARD	Nos.	1	1	0	0	9030
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 "Fixtures", the above 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 1.01 to 1.23)."

5. Cove lighting shall be 5m per piece.

Project: 3X800MW PATRATU TPS					
Package: MANDATORY SPARES-LIGHTING FIXTURES,LAMPS & MISC. ITEMS					
BOQ CUM UNPRICE SCHEDULE FOR MANDATORY SPARES					
SR. No.	ITEM DESCRIPTION	UOM	Quantity	Calculated Quantity	HSN CODE
	Mandatory Spares				
17	Driver for LED fixture		2% OR 3 NO WHICHEVER IS MORE		
17.01	Luminaire Type FC02 (LED)	Nos.		16	9405
17.02	Luminaire Type FC06 (LED)	Nos.		66	9405
17.03	Luminaire Type FC07 (LED)-DC	Nos.		7	9405
17.04	Luminaire Type FC30 (LED)	Nos.		46	9405
17.05	Luminaire Type FC32 (LED)	Nos.		5	9405
17.06	Luminaire Type FC33 (LED)-DC	Nos.		7	9405
17.07	Luminaire Type FC34 (LED)-DC	Nos.		25	9405
17.08	Luminaire Type FC81 (LED)	Nos.		12	9405
17.09	Luminaire Type SB11 (LED)	Nos.		7	9405
17.10	Luminaire Type SB02 (LED)	Nos.		17	9405
17.11	Luminaire Type SB03 (LED)	Nos.		6	9405
17.12	Luminaire Type SF63 (LED)	Nos.		10	9405
17.13	Luminaire Type SF64 (LED)	Nos.		4	9405
17.14	Luminaire Type SS62 (LED)	Nos.		19	9405
17.15	Luminaire Type SS63 (LED)	Nos.		18	9405
17.16	Luminaire Type SW41 (LED)	Nos.		416	9405
17.17	Luminaire Type SW42 (LED)	Nos.		78	9405
17.18	Luminaire Type MW96 (LED)	Nos.		10	9405
17.19	Luminaire Type MW98 (LED)	Nos.		1	9405
17.20	Downlighter LED (18 W = 6x3W)	Nos.		7	9405
17.21	Luminaire Type FC30 (LED) with Dimmable ballast	Nos.		4	9405
17.22	Downlighter LED (18 W = 6x3W) Dimmable	Nos.		26	9405
17.23	Cove Light LED	Nos.		11	9405

Project: 3X800MW PATRATU TPS					
Package: MANDATORY SPARES-LIGHTING FIXTURES,LAMPS & MISC. ITEMS					
BOQ CUM UNPRICE SCHEDULE FOR MANDATORY SPARES					
SR. No.	ITEM DESCRIPTION	UOM	Quantity	Calculated Quantity	HSN CODE
18	LED fixture				9405
18.01	Luminaire Type FC02 (LED)	Nos.	2% OR 3 NO WHICHEVER IS MORE	16	9405
18.02	Luminaire Type FC06 (LED)	Nos.		66	9405
18.03	Luminaire Type FC07 (LED)-DC	Nos.		7	9405
18.04	Luminaire Type FC30 (LED)	Nos.		46	9405
18.05	Luminaire Type FC32 (LED)	Nos.		5	9405
18.06	Luminaire Type FC33 (LED)-DC	Nos.		7	9405
18.07	Luminaire Type FC34 (LED)-DC	Nos.		25	9405
18.08	Luminaire Type FC81 (LED)	Nos.		12	9405
18.09	Luminaire Type SB11 (LED)	Nos.		7	9405
18.1	Luminaire Type SB02 (LED)	Nos.		17	9405
18.11	Luminaire Type SB03 (LED)	Nos.		6	9405
18.12	Luminaire Type SF63 (LED)	Nos.		10	9405
18.13	Luminaire Type SF64 (LED)	Nos.		4	9405
18.14	Luminaire Type SS62 (LED)	Nos.		19	9405
18.15	Luminaire Type SS63 (LED)	Nos.		18	9405
18.16	Luminaire Type SW41 (LED)	Nos.		416	9405
18.17	Luminaire Type SW42 (LED)	Nos.		78	9405
18.18	Luminaire Type MW96 (LED)	Nos.		10	9405
18.19	Luminaire Type MW98 (LED)	Nos.		1	9405
18.2	Downlighter LED (18 W = 6x3W)	Nos.		7	9405
18.21	Luminaire Type FC30 (LED) with Dimmable ballast	Nos.		4	9405
18.22	Downlighter LED (18 W = 6x3W) Dimmable	Nos.		26	9405
18.23	Cove Light LED	Nos.		11	9405
19	Junction boxes				
19.01	Type JB-F2- terminal strips	Nos.		75	8536
20	Lighting control switch / Receptacles:				
20.01	20A receptacle with plug	Nos.		15	8536
20.02	20A rotary switch	Nos.		15	8536
NOTE : The requirement for mandatory spare as per above BOQ cum unprice schedule shall be fully complied with. Any additional items / quantity required to comply with the change in supply items shall be included and supplied without any cost implication to BHEL.					

Project: 3X800MW PATRATU TPS							
Package: LIGHTING FIXTURES,LAMPS & MISC. ITEMS							
BOQ CUM UNPRICE SCHEDULE FOR SUPERVISION OF E&C							
SR. No.	ITEM DESCRIPTION	UOM	Total Quantity	Unit-1	Unit-2	Unit-3	HSN CODE
	SUPERVISION OF E & C						
21	SUPERVISION OF E & C	LOT					
21.01	CHARGES PER VISIT	VISIT	6	2	2	2	995461
21.02	MANDAYS CHARGES	DAYS	50	20	15	15	995461
NOTES :							
1. For supervision of E&C 6(Six) Visits and 50 (Fifty) 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 21.01 above (+) Unit Price for mandays charges as per Sl. No 21.02 above (x) No. of mandays at site (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 21.01 and 21.02 above shall remain firm. Supervision of E&C rate shall not be considered for price evaluation.							
5. Nos. of visit for supervision of E&C may increase based on project requirement."							

Tender Inviting Authority: Bharat Heavy Electricals Limited-Project Engineering Management, Noida

Name of Work: BOQ cum PRICE SCHEDULE OF MAIN SUPPLY AND ERECTION & COMMISSIONING SPARES OF LIGHTING FIXTURES, LAMPS & MISC. ITEMS FOR 3X800 MW PVUNL PATRATU TPP PHASE-I

Tender Enquiry No.: PE/PG/PA1/E-6648/2021 dt. 27/05/2021

Name of the Bidder/ Bidding Firm / Company :																									
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- "Fixtures", 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 1.01 to 1.23]."																									
5) Cove lighting shall be 5m per piece.																									
6) Unit wise quantity break up shall be as per enclosed Annexure-A.																									
NUMBER #	TEXT #	Item Description	REMARKS for Item Description	NUMBER #	TEXT #	Units	NUMBER #	TEXT #	Quoted Currency in INR / Other Currency	NUMBER #	UNIT EX-WORKS PRICE In Figures To be entered by the Bidder	NUMBER	TOTAL EX-WORKS PRICE	NUMBER	FREIGHT RATE	NUMBER	FREIGHT AMOUNT	TEXT	NUMBER	GST RATE	NUMBER	GST AMOUNT	NUMBER #	TOTAL AMOUNT With Taxes (TOTAL EX-WORKS + FREIGHT + GST)	TEXT #
1	1	3	4	5	7	12	13	14	15	16	18	20	21	53	54	55	TOTAL AMOUNT In Words								
1.00		Fixtures (Main Supply)																							
1.01		Luminaire Type FC02 (LED)	772	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.02		Luminaire Type FC06 (LED)	3290	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.03		Luminaire Type FC07 (LED)-DC	310	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.04		Luminaire Type FC30 (LED)	2251	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.05		Luminaire Type FC32 (LED)	201	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.06		Luminaire Type FC33 (LED)-DC	328	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.07		Luminaire Type FC34 (LED)-DC	1205	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.08		Luminaire Type FC81 (LED)	562	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.09		Luminaire Type SB11 (LED)	348	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.10		Luminaire Type SB02 (LED)	830	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.11		Luminaire Type SB03 (LED)	263	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.12		Luminaire Type SF63 (LED)	454	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.13		Luminaire Type SF64 (LED)	165	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.14		Luminaire Type S62 (LED)	928	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.15		Luminaire Type S63 (LED)	875	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.16		Luminaire Type SW41 (LED)	20763	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.17		Luminaire Type SW42 (LED)	3851	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.18		Luminaire Type MW96 (LED)	453	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.19		Luminaire Type MW98 (LED)	18	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.20		Downlighter LED (18 W = 6x3W)	328	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.21		Luminaire Type FC30 (LED) with Dimmable ballast	172	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.22		Downlighter LED (18 W = 6x3W) Dimmable	1261	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
1.23		Cove Light LED	530	Nos	9405	INR		0.0000						0.0000									0.000	INR Zero Only	
2		Switch boxes for individual control of circuits (Main Supply)																							
2.01		Decorative Type SWB1	823	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
2.02		Decorative Type SWB2	414	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
2.03		Decorative Type SWB3	54	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
2.04		Type SWB4	6	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
2.05		Type SWB5	153	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
3		Junction boxes (Main Supply)																							
3.01		Type JB-F	36399	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
3.02		Type JB-FE	324	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
3.03		Type JB-S	1573	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	
4		Receptacles (Main Supply)																							
4.01		Type RA	1017	Nos	8536	INR		0.0000						0.0000									0.000	INR Zero Only	

S. No.	Item Description	Remarks for Item Description	Quantity	Units	HSN Code	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE in Figures To be entered by the Bidder	TOTAL EX-WORKS PRICE	FREIGHT RATE	FREIGHT AMOUNT	GST TYPE	GST RATE	GST AMOUNT	TOTAL AMOUNT Without Taxes TOTAL EX-WORKS + FREIGHT	TOTAL AMOUNT Taxes (TOTAL EX-WORKS + FREIGHT + GST)	TOTAL AMOUNT In Words
1	2	3	4	5	7	12	13	14	15	16	18	20	21	53	54	55
4.02	Type RA (Flame proof)		23	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
4.03	Type RB		603	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
4.04	Type RC		496	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
4.05	Type RC flameproof		3	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
5	Fans (Main Supply)															
5.01	Ceiling fan 1200 mm sweep		89	Nos	8414	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
5.02	Pedestal Fan		10	Nos	8414	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
6	Emergency lighting Units (Main Supply)															
6.01	With Ni-Cd battery and 2 X 9W fluorescent lamp		33	Nos	8513	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
7	Flexible electrogalvanised conduit (Main Supply)															
7.01	20 mm dia TERENE conduit, 1.6 mm thick		396236	mtr	8307	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
8	24V supply module & lamp unit complete with all accessories (Main Supply)															
8.01	Portable type 24V supply modules		20	Nos	8537	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
8.02	Portable halogen lamp unit		20	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
8.03	5A, 24V industrial type sockets		208	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
9	Ladder (Main Supply)															
9.01	Free standing ladder (Adjustable from 5Mtr to 10Mtr)		10	Nos	7616	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
9.02	Wheel mounted ladder		10	Nos	7616	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
10	EXIT SIGN (Main Supply)		96	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
11	LIGHTING CONTROL SYSTEM (Main Supply)															
11.01	OCCUPANCY SENSOR		168	Nos	9999	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
11.02	CONTROL SYSTEM		4	Set	9030	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
11.03	LIGHTING SENSOR SYSTEM		4	Nos	9030	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
11.04	LIGHTING DIMMER SYSTEM		1	Nos	9030	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12	Fixtures (E & C Spares)															
12.01	Luminaire Type FC02 (LED)		39	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.02	Luminaire Type FC06 (LED)		164	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.03	Luminaire Type FC07 (LED)-DC		16	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.04	Luminaire Type FC30 (LED)		113	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.05	Luminaire Type FC32 (LED)		10	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.06	Luminaire Type FC33 (LED)-DC		16	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.07	Luminaire Type FC34 (LED)-DC		60	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.08	Luminaire Type FC81 (LED)		28	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.09	Luminaire Type SB11 (LED)		17	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.10	Luminaire Type SB02 (LED)		42	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.11	Luminaire Type SB03 (LED)		13	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.12	Luminaire Type SF63 (LED)		23	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.13	Luminaire Type SF64 (LED)		8	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.14	Luminaire Type SS62 (LED)		46	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.15	Luminaire Type SS63 (LED)		44	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.16	Luminaire Type SW41 (LED)		1038	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.17	Luminaire Type SW42 (LED)		193	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.18	Luminaire Type MW96 (LED)		23	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.19	Luminaire Type MW98 (LED)		1	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.20	Downlighter LED (18 W = 6x3W)		16	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.21	Luminaire Type FC30 (LED) with Dimmable ballast		9	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.22	Downlighter LED (18 W = 6x3W) Dimmable		63	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.23	Cove lighting		27	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
12.24	LED DRIVER		50	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only

S. No.	Item Description	Remarks for Item Description	Quantity	Units	HSN Code	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE In Figures To be entered by the Bidder	TOTAL EX-WORKS PRICE	FREIGHT RATE	FREIGHT AMOUNT	GST TYPE	GST RATE	GST AMOUNT	TOTAL AMOUNT Without Taxes (TOTAL EX-WORKS + FREIGHT)	TOTAL AMOUNT With Taxes (TOTAL EX-WORKS + FREIGHT + GST)	TOTAL AMOUNT In Words
1	2	3	4	5	7	12	13	14	15	16	18	20	21	53	54	55
13	Switch boxes for individual control of circuits (E & C Spares)															
13.01	Decorative Type SWB1		41	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
13.02	Decorative Type SWB2		21	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
13.03	Decorative Type SWB3		3	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
13.04	Type SWB4		1	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
13.05	Type SWB5		8	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
14	Junction boxes (E & C Spares)															
14.01	Type JB-F		1820	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
14.02	Type JB-FE		16	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
14.03	Type JB-S		79	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
15	Receptacles (E & C Spares)															
15.01	Type RA		51	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
15.02	Type RA (Flame proof)		1	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
15.03	Type RB		30	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
15.04	Type RC		25	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
15.05	Type RC flameproof		1	Nos	8536	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
16	LIGHTING CONTROL SYSTEM (E & C Spares)															
16.01	OCCUPANCY SENSOR		8	Nos	9999	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
16.02	CONTROL SYSTEM		1	Set	9030	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
16.03	LIGHTING SENSOR SYSTEM		10	Nos	9030	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
16.04	LIGHTING DIMMER SYSTEM		1	Nos	9030	INR		0.0000		0.0000			0.0000	0.000		INR Zero Only
Total in Figures														0.000	0.000	INR Zero Only
Quoted Rate in Words		INR Zero Only														

Tender Inviting Authority: Bharat Heavy Electricals Limited-Project Engineering Management, Noida

Name of Work: BOQ cum PRICE SCHEDULE OF MANDATORY SPARES OF LIGHTING FIXTURES,LAMPS & MISC. ITEMS FOR 3X800 MW PVUML PATRATU TPP PHASE-I

Tender Enquiry No.: PE/P6/PA1/E-6648/2021 dt. 27/05/2021

Name of the Bidder/ Bidding Firm / Company :														
NOTES:														
1) The requirement for mandatory spare as per below BOQ cum unprice schedule shall be fully complied with. Any additional items / quantity required to comply with the change in supply items shall be included and supplied without any cost implication to BHEL.														
Sl. No.	Item Description	Remarks for Item Description	TEXT #	NUMBER #	TEXT #	NUMBER #	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE in Figures To be entered by the Bidder	NUMBER	TOTAL EX-WORKS PRICE	NUMBER	FREIGHT RATE	NUMBER	FREIGHT AMOUNT
				Quantity	Units	HSN Code								
1	2	3		4	5	7	12	13	14	15	16	18	20	21
17	Driver for LED fixture (MANDATORY SPARES)													
17.01	Luminaire Type FC02 (LED) (2% or 3 no whichever is more)			16	Nos	9405	INR		0.0000		0.0000			
17.02	Luminaire Type FC06 (LED) (2% or 3 no whichever is more)			66	Nos	9405	INR		0.0000		0.0000			
17.03	Luminaire Type FC07 (LED)DC (2% or 3 no whichever is more)			7	Nos	9405	INR		0.0000		0.0000			
17.04	Luminaire Type FC30 (LED) (2% or 3 no whichever is more)			46	Nos	9405	INR		0.0000		0.0000			
17.05	Luminaire Type FC32 (LED) (2% or 3 no whichever is more)			5	Nos	9405	INR		0.0000		0.0000			
17.06	Luminaire Type FC33 (LED)DC (2% or 3 no whichever is more)			7	Nos	9405	INR		0.0000		0.0000			
17.07	Luminaire Type FC34 (LED)DC (2% or 3 no whichever is more)			25	Nos	9405	INR		0.0000		0.0000			
17.08	Luminaire Type FC82 (LED) (2% or 3 no whichever is more)			12	Nos	9405	INR		0.0000		0.0000			
17.09	Luminaire Type SB11 (LED) (2% or 3 no whichever is more)			7	Nos	9405	INR		0.0000		0.0000			
17.10	Luminaire Type SB02 (LED) (2% or 3 no whichever is more)			17	Nos	9405	INR		0.0000		0.0000			
17.11	Luminaire Type SB03 (LED) (2% or 3 no whichever is more)			6	Nos	9405	INR		0.0000		0.0000			
17.12	Luminaire Type SF62 (LED) (2% or 3 no whichever is more)			10	Nos	9405	INR		0.0000		0.0000			
17.13	Luminaire Type SF64 (LED) (2% or 3 no whichever is more)			4	Nos	9405	INR		0.0000		0.0000			
17.14	Luminaire Type SS62 (LED) (2% or 3 no whichever is more)			19	Nos	9405	INR		0.0000		0.0000			
17.15	Luminaire Type SS63 (LED) (2% or 3 no whichever is more)			18	Nos	9405	INR		0.0000		0.0000			
17.16	Luminaire Type SW41 (LED) (2% or 3 no whichever is more)			416	Nos	9405	INR		0.0000		0.0000			
17.17	Luminaire Type SW42 (LED) (2% or 3 no whichever is more)			78	Nos	9405	INR		0.0000		0.0000			
17.18	Luminaire Type MW96 (LED) (2% or 3 no whichever is more)			10	Nos	9405	INR		0.0000		0.0000			
17.19	Luminaire Type MW98 (LED) (2% or 3 no whichever is more)			1	Nos	9405	INR		0.0000		0.0000			
17.20	Downlighter LED (18 W = 6x3W) Dimmable (2% or 3 no whichever is more)			7	Nos	9405	INR		0.0000		0.0000			
17.21	Luminaire Type FC30 (LED) with Dimmable ballast (2% or 3 no whichever is more)			4	Nos	9405	INR		0.0000		0.0000			
17.22	Downlighter LED (18 W = 6x3W) Dimmable (2% or 3 no whichever is more)			26	Nos	9405	INR		0.0000		0.0000			
17.23	Cove Light LED (2% or 3 no whichever is more)			11	Nos	9405	INR		0.0000		0.0000			
18	LED fixture (MANDATORY SPARES)													
18.01	Luminaire Type FC02 (LED) (2% or 3 no whichever is more)			16	Nos	9405	INR		0.0000		0.0000			
18.02	Luminaire Type FC06 (LED) (2% or 3 no whichever is more)			66	Nos	9405	INR		0.0000		0.0000			
18.03	Luminaire Type FC07 (LED)DC (2% or 3 no whichever is more)			7	Nos	9405	INR		0.0000		0.0000			
18.04	Luminaire Type FC30 (LED) (2% or 3 no whichever is more)			46	Nos	9405	INR		0.0000		0.0000			
18.05	Luminaire Type FC32 (LED) (2% or 3 no whichever is more)			5	Nos	9405	INR		0.0000		0.0000			

S. No.	Item Description	Remarks for Item Description	Quantity	Units	HSN Code	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE in ₹ (figures To be entered by the Bidder)	TOTAL EX-WORKS PRICE	FREIGHT RATE	FREIGHT AMOUNT	GST TYPE	GST RATE	GST AMOUNT	TOTAL AMOUNT Without Taxes (TOTAL EX-WORKS + FREIGHT)	TOTAL AMOUNT With Taxes (TOTAL EX-WORKS + FREIGHT + GST)	TOTAL AMOUNT In Words
1	2	3	4	5	7	12	13	14	15	16	18	20	21	53	54	55
18.06	Luminaire Type FC33 (LED)-DC (2% or 3 no whichever is more)		7	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.07	Luminaire Type FC34 (LED)-DC (2% or 3 no whichever is more)		25	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.08	Luminaire Type FC31 (LED) (2% or 3 no whichever is more)		12	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.09	Luminaire Type SB11 (LED) (2% or 3 no whichever is more)		7	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.10	Luminaire Type SB02 (LED) (2% or 3 no whichever is more)		17	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.11	Luminaire Type SB03 (LED) (2% or 3 no whichever is more)		6	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.12	Luminaire Type SF63 (LED) (2% or 3 no whichever is more)		10	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.13	Luminaire Type SF64 (LED) (2% or 3 no whichever is more)		4	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.14	Luminaire Type SS62 (LED) (2% or 3 no whichever is more)		19	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.15	Luminaire Type SS63 (LED) (2% or 3 no whichever is more)		18	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.16	Luminaire Type SW41 (LED) (2% or 3 no whichever is more)		416	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.17	Luminaire Type SW42 (LED) (2% or 3 no whichever is more)		78	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.18	Luminaire Type MW96 (LED) (2% or 3 no whichever is more)		10	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.19	Luminaire Type MW98 (LED) (2% or 3 no whichever is more)		1	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.20	Downlighter LED (18 W = 6x3W) Dimmable (2% or 3 no whichever is more)		7	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.21	Luminaire Type FC30 (LED) with Dimmable ballast (2% or 3 no whichever is more)		4	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.22	Downlighter LED (18 W = 6x3W) Dimmable (2% or 3 no whichever is more)		26	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
18.23	Cove Light LED (2% or 3 no whichever is more)		11	Nos	9405	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
19	Junction boxes (MANDATORY SPARES)															
19.01	Type 1B-F2- terminal strips		75	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
20	Lighting control switch / Receptacles (MANDATORY SPARES)															
20.01	20A receptacle with plug		15	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
20.02	20A rotary switch		15	Nos	8536	INR		0.0000		0.0000			0.0000	0.000	0.000	INR Zero Only
Total in Figures														0.000	0.000	INR Zero Only
Quoted Rate in Words			INR Zero Only													

Name of Work: BOQ cum PRICE SCHEDULE OF SUPERVISION OF ERECTION & COMMISSIONING FOR LIGHTING FIXTURES, LAMPS & MISC. ITEMS FOR 3X800 MW PV/UNL PATRATU TPP PHASE-I

Tender Enquiry No.: PE/PG/PA1/E-6648/2021 dt. 27/05/2021

Name of the Bidder/ Bidding Firm / Company :													
NOTES:													
1) For supervision of E&C d(Sx) Visits and 50 (Fifty) 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 21.01 below (+) Unit Price for mandays charges as per Sl. No 21.02 below (x) No. of mandays at site (to be certified by BH&L Site).													
3) The total Mandays mentioned for supervision of E&C also include Mandays of inspection for completeness and correctness of work.													
4) Unit rate for 21.01 and 21.02 below shall remain firm. Supervision of E&C rate shall not be considered for price evaluation.													
5) Nos. of visit for supervision of E&C may increase based on project requirement."													
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	TEXT	NUMBER	NUMBER	NUMBER #	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
S. No.	Item Description	Quantity	Units	HSN Code	Quoted Currency in INR / Other Currency	UNIT EX-WORKS PRICE In Figures to be entered by the Bidder	TOTAL EX-WORKS PRICE	GST TYPE	GST RATE	GST AMOUNT	TOTAL AMOUNT Without Taxes TOTAL EX-WORKS + FREIGHT)	TOTAL AMOUNT With Taxes (TOTAL EX-WORKS + GST)	TEXT #
21	2	4	5	7	12	13	14	18	20	21	53	54	55
21.01	CHARGES PER VISIT	6	VISIT		INR		0.0000		0.0000	0.0000	0.000	0.000	INR Zero Only
21.02	MANDAYS CHARGES	50	DAYS		INR		0.0000		0.0000	0.0000	0.000	0.000	INR Zero Only
Total in Figures											0.000	0.000	INR Zero Only
Quoted Rate in Words													



PRE - QUALIFYING REQUIREMENTS

ENQUIRY NO:

PROJECT:

PATRATU

PACKAGE:

LIGHTING FIXTURES, LAMPS AND MISC. ITEMS

CRITERIA FOR EVALUATION - FINANCIAL :

Average annual financial turnover during the last Three Financial Years should not be less than
Rupees Four Crore Eighty Five Lakh(s) Only

Amount (in Rs.)
Rs.4,85,00,000.00

Notes:-

a) The bidder has to submit financial accounts (audited, if applicable comprising of Audit report, Balance Sheet, Profit & Loss A/c Statement and Notes/Schedules pertaining to Turnover/Sales/Revenue), for last three years (or from the date of incorporation, whichever is less) as on tender due date to review the above criteria. In case the incorporation of vendor is less than 3 years, average annual financial turnover shall be calculated based on available information as below:-

i) If the accounts are available for ≤ 1 Financial Year, the Average Annual Turnover shall be calculated based on available information divided by 1 (One).

ii) If the accounts are available for >1 but ≤ 2 Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 2 (Two).

iii) If the accounts are available for >2 but ≤ 3 Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 3 (Three).

b) Foreign bidder is to submit a latest report from reputed third party business rating agency like Dun & Bradstreet, Credit reform etc. in addition to the documents mentioned at point (a) above for review of above criteria.

c) Other Income shall not be considered for arriving at Annual Turnover/Sales. For evaluation purpose, Turnover figure excluding taxes shall be considered.

d) For evaluation of foreign bidder, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered.



**PRE-QUALIFYING REQUIREMENTS FOR
LIGHTING FIXTURES, LAMPS & MISC. ITEMS**

PE-PQ-999-558-E006

REV. 03

DATE: 11/10/2019

SHEET 1 OF 1

ITEMS: Lighting fixtures, lamps, receptacles, Junction boxes and Miscellaneous Items.

SCOPE:

Supply(Including Design) : YES

Erection & Commissioning: No

Services : YES (Supervision of E&C)

1	<p>Manufacturing Capability</p> <p>i) Manufacturer of applicable type of lighting fixtures as per BHEL-PEM sub-vendor list (Refer Note 4 below) OR</p> <p>ii) Manufacturer of Applicable type of lighting fixtures other than those mentioned in BHEL-PEM sub-vendor list (Refer Note 4 below). In this case, complete credentials for proposed make of lighting fixtures is to be submitted along with the offer. Bidder shall be evaluated as per sub-vendor pre-qualifying criteria attached as Annexure-I however the manufacturer should mandatorily tie up with Lighting designer as per BHEL-PEM sub-vendor list (Refer Note 4 below)</p>
2	<p>Lighting System Design Capability</p> <p>Lighting designer as per BHEL-PEM sub-vendor list (Refer Note 4 below)</p>

Notes:

1. In case vendor is able to meet criteria at Sl. No: 1 only and not Sl. No: 2 above, vendor to furnish undertaking that in case vendor comes out as successful bidder, vendor will submit MOU on non-judicial stamp paper of Rs. 100 /- with any one of the lighting designer as per BHEL-PEM sub-vendor list prior to the placement of order.
2. In case vendor is able to meet criteria at Sl. No: 2 only and not Sl. No: 1 above, vendor to furnish undertaking that in case vendor comes out as successful bidder, vendor will submit MOU on non-judicial stamp paper of Rs. 100 /- with any one of the Manufacturer of applicable type of lighting fixtures as per BHEL-PEM sub-vendor list prior to the placement of order.
3. Bidder to note that MOU on non-judicial stamp paper once offered to BHEL cannot be changed till the execution of the project.
4.
 - a) For Cases of registration, BHEL-PEM sub-vendor list of applicable type of lighting fixtures may be obtained from BHEL-PEM.
 - b) For cases of bidding, sub-vendor list is included in the technical specification.

General Points of PQR:

1. Consideration of offer shall be subject to customer's approval of bidders, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.
3. Any other project specific requirement shall be as per Annexure – II and bidder shall submit relevant supporting documents.
4. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/ collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
5. After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all other terms of the tender.

<p>PREPARED BY</p> <p>MEET SAGAR SINGH RAJPAL (DY.MANAGER)</p>	<p>REVIEWED BY</p> <p>PRAVEEN DUTTA (SR. DGM)</p>	<p>APPROVED BY</p> <p>DEBASISA RATH (AGM & DH ELECTRICAL)</p>
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ANNEXURE-I

**PRE-QUALIFYING REQUIREMENTS FOR LIGHTING FIXTURES, LAMPS &
MISC. ITEMS**

DOC NO. PE-PQ-999-558-E006, REV 03

DOCUMENTS/CREDENTIALS REQUIRED FROM SUB-VENDOR
(MANUFACTURER OF APPLICABLE TYPE OF LIGHTING FIXTURES) FOR
APPLICATION/BIDDING PROCESS:

1. List of Items normally manufactured by the vendor.
2. Annual turnover for last 3 years
3. Organization & deployment of competent people to various disciplines including quality.
4. Organizations by whom the vendor has been already approved.
5. BHEL units by whom vendor has been already approved
6. Adequacy of past performance.
7. Performance certificate from power utilities
8. Performance certificate from other utilities.
9. Adequacy of technical know-how & design capability.
10. Adequacy of mfg. & shop facilities.
11. Adequacy of testing and inspection facilities.
12. Adequacy of type reports.
13. Adequacy of Quality system, Quality Control, QC record & Quality Plan.
14. ISO certificate
15. MSME certificate

PREPARED BY MEET SAGAR SINGH RAJPAL (DY.MANAGER)	REVIEWED BY PRAVEEN DUTTA (SR. DGM)	APPROVED BY DEBASISA RATH (AGM & DH ELECTRICAL)
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PEM / PG-III, BHEL, Noida

SPECIAL CONDITIONS OF CONTRACT (SCC) Rev-0

3 x 800 MW PVUNL PATRATU TPP PHASE-I (Job No. 434)

These Conditions shall be read and construed along with General Conditions of Contract (GCC) rev.06 & GST related Corrigendum to GCC rev.06, to be enclosed along with the tender enquiry. In case of any conflict or inconsistency, the conditions given in SCC shall prevail over the GCC and its corrigendum.

Sl No.	Title	Description
1.	Project Name	3 x 800 MW PVUNL PATRATU TPP PHASE-I (EPC)
2.	Nature of project & Type of Bidding	Non-Mega & ICB (International Competitive Bidding)
3.	Customer Order Ref No	01/PVUNL-CS-9585-001-2/NOA-FC dated 08.03.2018 01/PVUNL-CS-9585-001-2/NOA-SC dated 08.03.2018 01/PVUNL-CS-9585-001-2/NOA-TC dated 08.03.2018
4.	BHEL's Customer	PATRATU VIDYUT UTPADAN NIGAM LIMITED (subsidiary of NTPC Limited in joint venture with JBVNL)
5.	PVUNL GST No.	20AAICP3718K1ZH
6.	Customer Consultants	No consultant
7.	Consignee Address (Bill To)	For supply package: BHEL, Power Sector-Project Engineering Management, Power Project Engineering Institute, Plot No. 25, Sector-16A, Noida, Uttar Pradesh-201301. GSTIN: 09AAACB4146P2ZC For turnkey packages (where BHEL-PEM will issue only the LOA and Purchase Order shall be issued by BHEL-PSWR): Construction Manager, BHEL site office, Patratu Vidyut Utpadan Njigam Ltd , PO: PTPS , Patratu , Ramgarh, Jharkhand - 829119 BHEL PSWR GSTIN No.- 27AAACB4146P1ZF
8.	Delivery Address (Ship To)	Construction Manager, Bharat Heavy Electricals Limited, Patratu Vidyut Utpadan Njigam Ltd, PO: PTPS , Patratu , Ramgarh, Jharkhand - 829119
9.	BHEL Site Office Address	Construction Manager, Bharat Heavy Electricals Limited, Patratu Vidyut Utpadan Njigam Ltd , PO: PTPS , Patratu , Ramgarh, Jharkhand - 829119
10.	Location of Plant	Site is Located just outside the coal belt of South Karanpura in Ramgarh District of Jharkhand State. The nearest Railway Station is Patratu which is at a distance of about 4 km on Barkakhana-Barwadih Railway line. District: Ramgarh (state- Jharkhand) Next big cities to site: Ranchi Nearest Railway Station: - Patratu Nearest Airport: Ranchi (45 km by road from site)
11.	Mode of Dispatch	Air, Road, Rail & Sea Transportation For indigenous supplies: By Rail/Road on door delivery and freight pre-paid basis. For imported supplies: On C&F basis. Transit Insurance will be in BHEL scope
12.	Road Permit /E-waybill	Road Permit / E-way bill, to be arranged by Supplier/ transporter/ BHEL (as per GOI mandate).
13.	BHEL GSTIN Details	For supply packages: BHEL-PEM is registered in the State of Uttar Pradesh with GSTIN 09AAACB4146P2ZC

Grammar 08/5/18

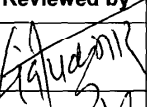
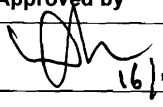
		For Turnkey packages: BHEL PSWR GSTIN No.- 27AAACB4146P1ZF
14.	Transit Insurance	<p>In BHEL Scope.</p> <p>For each dispatch, vendor shall inform the following to the Underwriter under intimation to BHEL-PEM and BHEL Site office:</p> <ul style="list-style-type: none"> (i) Policy No. (ii) Consignee Name. (iii) Consignment Details (items with their weights and value (in INR). (iv) Project Name and P.O. No. (v) LR No. and date, Dispatch origin and destination details, Invoice No. <p>Vendors to intimate the underwriters quoting the insurance Policy No. as mentioned in Purchase Order.</p>
15.	Dispatch intimation	<p>Yes in writing, Not less than 30 (Thirty) days prior to date of shipment and dispatch details to be sent to:</p> <p style="padding-left: 40px;">BHEL Site office (As mentioned in Sl. No. 9) BHEL PEM Noida (As mentioned in NIT)</p> <p>At the point of dispatch, vendor must furnish docs required as given below through Email / Fax</p> <ul style="list-style-type: none"> i. Vendor's invoice ii. LR / RR / GR / Courier Receipt iii. Packing List/ Challan indicating the items dispatched (with their weights) iv. Insurance intimation letter informing the underwriters about the dispatches v. MDCC (of BHEL / NTPC) as applicable vi. Photograph of packing / boxes showing dispatch marking as per Sl. No. 26
16.	Document required for Vendor's payment.	<p>For materials originating from Indian territory</p> <p>For claiming the payment against dispatch, MRC & Freight, documents as mentioned in GCC rev 06 & its corrigendum shall be submitted by vendor to BHEL. Original money receipt must be submitted for Freight payment.</p> <p>Packing List must comply to Clause No. 19.3 of General Commercial Terms & Conditions of GCC rev.06. Description of items in packing list shall be as per PO such that proper correlation between PO & packing list must be furnished.</p> <p>Soft copy of documents for claiming payment shall be submitted by vendor as advance copy.</p> <p>For materials originating from non-Indian Territory</p> <p>Three (3) original and Three (3) copies of clean bill of lading or One (1) clean original Airway Bill & Three (3) copies, in case of air freight.</p> <p>One (1) original and Three (3) copies of signed Invoices</p> <p>One (1) original and Three (3) copies of Packing List (clearly showing number of packages, gross weight and net weight).</p> <p>Three (3) copies of certificate of country of origin.</p> <p>Copy of MDCC from BHEL / NTPC (as applicable)</p> <p>Three (3) copies of inspection certificate, if any, issued by the customer/his authorized representative.</p> <p>Three (3) of certificate from the vendor to the effect that drawings and catalogues for customs clearance purpose have been kept with the packages for shipment.</p> <p>Three (3) copies of certificate from the vendor to the effect that the contents in each case are not less than that entered in the invoices and guaranteed as new and as per the relevant technical specifications.</p> <p>Shipping Specification – One (1) copy.</p> <p>Quality Certificate – One (1) copy.</p> <p>Approved Test Certificates, if any. - Three (3) copies.</p> <p>Guarantee Certificate – One (1) Original + One (1) copy.</p>

Gaurav
08/5/18

		Inspection Reports – One (1) Original + One (1) copy. PVC Calculation and copy of all applicable indices, if PVC applicable. – Two (2) copies.
17.	Material Receipt Certificate (MRC)	A) For supply packages- BHEL-PEM will arrange MRC from BHEL site B) For Turnkey (Supply + Erection & Commissioning) – Original MRC duly signed by customer (PVUNL) & BHEL site is to be arranged by Vendor.
18.	Buyer and Paying Authority	For packages where PEM will issue the Purchase Order: BHEL PEM will be the paying authority. For packages where BHEL-PEM will issue only the LOA and Purchase Order shall be issued by BHEL-PSWR: BHEL Patratu Site will be the paying Authority.
19.	Demurrage charges	Demurrage charges shall be paid by supplier/ vendor only to the transporter. No claim shall be acceptable to BHEL in this regard.
20.	Unloading, Storage & Movement of material at site	a) By BHEL site office for supply packages. b) By vendors for Turnkey i.e. Supply and E&C packages
21.	Concessional custom duty against Essentiality certificate (EC)	<p>The project has been qualified through Project Import route. Accordingly, the benefits applicable to PI project would be granted for this project In this regard applicable documents such as Essentiality certificate will be issued by NTPC (ultimate customer). Under this, Concessional rate of Customs Duty shall be applicable on the Import Contents of the supplier respectively. Based on the above EC, Customs Duty Benefits will be passed on to the vendor. The Bidder to indicate the Import contents i.e. list of the item, Currency of Import and Country of Import including CIF value in their offers. BHEL shall inform, the availability of CIF value for a particular package, if any, at the time of NIT. The benefits availed in Concessional Customs Duty must be passed on to BHEL in their offer.</p> <p>Vendor shall inform BHEL and provide the necessary documents to obtain required certificates from BHEL to avail exemption. Obtaining custom duty benefit in line with the Essentiality Certificate issued shall be in vendor's scope.</p>
22.	Taxes & Duties (For Domestic Vendor)	As per General Conditions of Contract (GCC rev 06) & GST related Corrigendum to GCC rev.06
23. a	Taxes & Duties (For Order Directly to Foreign Bidders)- supply packages	In case of foreign vendors, quoted prices & Dispatches shall be on C & F (Port-Chennai) basis and the Taxes & duties in the country of dispatch shall be borne by Foreign vendor.
23. b	Taxes & Duties (For Order Directly to Foreign Bidders)- Turnkey packages	Complete responsibility of import including (but not limited to) import clearance, all taxes and duties in the country of export (origin), all taxes and duties in India shall be to vendor's account.
24.	Inspection Agency	BHEL/ BHEL approved 3rd party inspection agencies and/or NTPC/ Customer Agency as applicable.
25.	Inspection procedure for Domestic supplies	<p><u>For Domestic supplies</u> Vendor shall raise inspection call at least 15 business days in advance on BHEL CQS website to applicable inspection agency (as mentioned in PO/LOI or to be informed later) and submit copy of inspection call to BHEL-PEM for arranging NTPC inspection/Joint inspection on the proposed date, as applicable. MDCC shall be issued on the basis of clear inspection report (CQIR).</p> <p><u>For Foreign supplies</u> In case of Foreign supplies, if NTPC approved 3rd party inspection agency does not participate in the inspection, test certificates & inspection reports duly accepted by the agreed Inspection agency shall be submitted in soft copy to BHEL-PEM. The same shall be reviewed by PEM and then, sent to NTPC for clearance. The dispatch clearance (MDCC) by NTPC/ BHEL as applicable shall be given to the foreign supplier or representative in India after acceptance of above test certificates.</p>

Gaurav
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26.	Packing, Identification & marking (if not specified in NIT)	<p>Each box shall be marked with Capital Letters in "Red" indicating the PEM SUPPLY (Main Supply/ Commissioning Spares/ Mandatory Spares) for 3 x 800 MW PVUNL PATRATU TPP.</p> <p>NOTE: Main supply item and items for commissioning spares must be packed separately.</p> <p>Each package delivered under the Contract shall be marked by supplier and such marking must be distinct and in English language (all previous irrelevant markings being carefully obliterated). Such marking shall show the description and quantity of contents, the name and address of consignee, the Gross weight and Net weight of the package, the name of the Supplier, PEM P.O. reference number, with a distinctive number of mark sufficient for purposes of identification. Besides above necessary, packing shall bear a special marking 'TOP', 'BOTTOM', 'DO NOT TURN OVER', "KEEP DRY", "HANDLE WITH CARE", etc</p> <p>IMPORTANT: -</p> <ul style="list-style-type: none"> Two copies of respective standard manufacturer's erection instruction/operation instruction manual shall be kept in each package / container for immediate reference by BHEL site and same shall be reflected in packing slip also The Packing list details for the consignment must be put inside the Box/Boxes. <p>Items like pumps, Valves, Hoists, Cranes etc shall essentially have O&M Manuals and E&C guidelines duly enclosed in the packing box. Certificate to such effect shall also be reflected in packing slip.</p> <p>Mandatory spares shall be properly packed separately in separate box painted in Red, indicating Mandatory Spares in bold letters and each spare shall be properly tagged giving details i.e. item number of the equipment in line with the CUSTOMER approved BBU for Mandatory spares & Number per item (to match the description given in the packing slip) to facilitate their proper identification by PVUNL/ NTPC. One Copy of Packing list must be put inside the Box along with Manufacturing drawing no. reference, Catalogue reference etc.</p>
27.	Submission of Final Drgs/Docs alongwith O&M Manual, Type Test Certificates (if any)	As per GCC rev.06/ Technical Specification/Kick-off meeting.

	Prepared by	Checked by	Reviewed by	Vetted by	Approved by
Name	Gaurav Garg				 16/05/18
Designation	Sr. Engr/ PG III	DGM/ PG III	DGM/ PG III	Finance	AGM & DH/ PG III
Signature	Gaurav 08/5/18				DEEPAK GUPTA

Letter head of CA/ Statutory auditor / Cost auditor (>Rs. 10 Cr value)

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 of(package name).....for.....(Project Name/Rate Contract).....offered by M/s(bidder's name)..... having its registered works at has local content of%.

Further, M/s(bidder's name)..... meets the requirement of minimum local content in line with clause 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.

Thanking You.

For (CA/Cost Firm Name with FRN & Seal)

Chartered/Cost Accountants

(name of Member)

(Membership no.)

(UDIN no.)

Letter head of Company (<Rs. 10 Cr value)

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).....for.....(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


Guidelines for Remote Inspection of PEM BOIs

- 1) **OBJECTIVE:**
To lay down the procedure for carrying out Remote Inspection of Bought-out Items (BOIs) for PEM suppliers wherever applicable.
- 2) **SCOPE:** It will cover suppliers for packages of PEM BOIs for various project requirements. Invitation is sent to the suppliers for remote inspection on applications like MS Teams, Webex, etc. by BHEL.
- 3) **MINIMUM REQUIREMENTS AT SUPPLIER'S WORKS:**
 1. Uninterrupted internet services
 2. Good internet bandwidth (Min 100 Mbps)
 3. Good resolution camera (2 nos) – one preferably CCTV (static at one place) and one hand hold (moving)
 4. Smart phone with minimum 8MPi camera front and back both with optical zoom facility suitable for using web applications like Webex, MicroSoft (MS) Teams, etc.
 5. Computer and Scanner with good resolution
 6. Digital signatures of supplier's Quality Engineer
 7. Availability of web applications like Webex, MicroSoft (MS) Teams, as required.
 8. All Test certificates, internal test reports, calibration reports, etc. for the items offered for inspection.
 9. Availability of the above to be submitted to BHEL two days in advance before inspection.
 10. Dedicated team from supplier side for facilitating inspection requirements.
 11. For ensuring proper visibility, the suggested Portable lighting sources (torch/ electric LED bulb of minimum 15 W) with no glare is to be ensured at offered job, location for remote inspection/testing. This is to be verified before start of the inspection.
 12. The GPS location co-ordinates or any method to locate inspection location shall be captured indicating the location of the Vendor-Premises of remote inspection/testing.
- 4) **PROCEDURE:**
 1. Supplier will raise the inspection call in BHEL - CQIR portal.
 2. Supplier shall ensure availability of minimum requirements at supplier's works as mentioned above at point 3.
 3. Before starting the inspection, the supplier shall submit the documents (TCs, internal test reports and calibration certificates as per approved QAP) two days before the date of inspection for review by BHEL and supplier shall coordinate with BHEL and if found satisfactory, inspection shall be considered for remote.
 4. Prior to commencement of remote inspection, a pre inspection meeting shall be organized by BHEL inspector with supplier to ascertain the readiness for remote inspection.
- 5) During inspection, supplier shall share the location on Google maps for verifying the address of the manufacturer. Location may be captured by BHEL as screenshot.
 1. Inspection shall be on the basis of approved Quality Plans and associated reference documents mentioned.
 2. For witnessing inspection, supplier shall bring the mobile video camera near to the surface of the equipment or as per requirement of the inspector for clarity in viewing the test/ equipment which shall be the responsibility of supplier. Supplier shall ensure that proper lighting is available during live video streaming.
 3. Before start of the inspection, inspector shall ensure that all instruments shall have valid calibration report. Supplier shall ensure use of digital instruments preferably for inspection to the extent possible.
 4. Details of supplier's dedicated team handling the remote inspection shall also be incorporated in the CQIR.
 5. All details of inspection/ testing referred documents shall be mentioned in the CQIR. Recording of remote inspection shall be maintained by the BHEL inspector and this recording (unedited) shall be maintained at BHEL system for a minimum period of 3 years or till the warranty period whichever is later.

6. PEM (Engineering) shall accord final technical clearance, in case of any deviation in inspected item noticed during inspection.
 7. Inspection shall be conducted by PEM-Q&BE assigned inspector along with PEM-Engg (if required). CQIR shall be prepared and maintained by PEM-Q&BE.
 8. PG will issue MDCC on the basis of acceptance of inspected items along with accepted packing photographs as per contract provisions.
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- 6) **UNDERTAKING BY VENDOR:** Material inspected through remote inspections is meeting all technical requirements of BHEL. In case of any discrepancy from the above procedure/ material inspected, if found later, vendor will replace the materials without any cost implication to BHEL.
 - 7) Vendor shall provide the signed and stamped of the above guidelines to BHEL as a token of acceptance.

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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i.	Item/Scope of Sub-contracting			
ii.	Address of the registered office 	Details of Contact Person (Name, Designation, Mobile, Email) 		
iii.	Name and Address of the proposed Sub-vendor's works where item is being manufactured 	Details of Contact Person: (Name, Designation, Mobile, Email) 		
iv.	Annual Production Capacity for proposed item/scope of sub-contracting			
v.	Annual production for last 3 years for proposed item/scope of sub-contracting			
vi.	Details of proposed works			
1.	Year of establishment of present works			
2.	Year of commencement of manufacturing at above works			
3.	Details of change in Works address in past (if any)			
4.	Total Area			
	Covered Area			
5.	Factory Registration Certificate	Details attached at Annexure – F2.1		
6.	Design/ Research & development set-up (No. of manpower, their qualification, machines & tools employed etc.)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design Details attached at Annexure – F2.2 (if applicable)		
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)	Details attached at Annexure – F2.3		
8.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.4		
9.	Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any	Details attached at Annexure – F2.5		
10.	Sources of Raw Material/Major Bought Out Item	Details attached at Annexure – F2.6		
11.	Quality Control exercised during receipt of raw material/BOI, in-process , Final Testing, packing	Details attached at Annexure – F2.7		

	CORPORATE QUALITY ASSURANCE SUB-VENDOR QUESTIONNAIRE
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12.	Manufacturing facilities <i>(List of machines, special process facilities, material handling etc.)</i>	Details attached at Annexure – F2.8			
13.	Testing facilities <i>(List of testing equipment)</i>	Details attached at Annexure – F2.9			
14.	If manufacturing process involves fabrication then- List of qualified Welders List of qualified NDT personnel with area of specialization	Applicable / Not applicable Details attached at Annexure – F2.10 <i>(if applicable)</i>			
15.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses	Applicable / Not applicable Details attached at Annexure. –F2.11 <i>(if applicable)</i>			
16.	Supply reference list including recent supplies	Details attached at Annexure – F2.12 <i>(as per format given below)</i>			
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
17.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.13	
18.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product <i>(similar or higher rating)</i> Note:- Reports need not to be submitted			Applicable / Not applicable Details attached at Annexure – F2.14 <i>(if applicable)</i>	
19.	Statutory / mandatory certification for the proposed product			Applicable / Not applicable Details attached at Annexure – F2.15 <i>(if applicable)</i>	
20.	Copy of ISO 9001 certificate <i>(if available)</i>			Attached at Annexure – F2.16	
21.	Product technical catalogues for proposed item (if available)			Details attached at Annexure – F2.17	
Name:		Desig:		Sign:	

Company's Seal/Stamp:-

PROJECT: 3x800 MW PATRATU
PACAKGE: - LIGHTING FIXTURES, LAMPS & MISC. ITEMS
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. ----