

Ref No. : PE/PG/RTC/E-6545/2020/CORRIGENDA-05

DATE : 09-12-2020

**CORRIGENDA / ADDENDUM-05**

**SUBJECT: TENDER ENQUIRY FOR FRAMEWORK AGREEMENT (RATE CONTRACT) OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS AS PER TECHNICAL SPECIFICATION NO. PE-TS-999-558-E006.**

**OUR REF: TENDER ENQUIRY NO: PE/PG/RTC/E-6545/2020, DTD-24.10.2020**

DUE DATE
19.12.2020
BY 11:00 AM

1. E & C Spares BOQ items sl.no. 2.1.03, 2.1.04, 2.1.06, 2.1.07, 2.1.09, 2.1.12, & 2.1.15 has been amended. Please refer attached Amendment-I to Annexure-I of NIT. Necessary changes have been done in e-procurement portal also. Bidders are requested to please submit their fresh bid considering this corrigendum.
2. Performance Security (Bank Guarantee) percentage has been reduced from 5% to 3% for our subject tender enquiry no. PE/PG/RTC/E-6545/2020, DTD-24-01-2020. Rest of the Performance Security (Bank Guarantee) term remain same as per NIT & GCC(Rev07). However, the benefit of the reduced Performance Security will not be given in the contracts under dispute wherein arbitration/ court proceedings have been already started or are contemplated.  
In all contracts where Performance Security has been reduced to 3%, the reduced percentage of Performance Security shall continue for the entire duration of the contract and there should be no subsequent increase of Performance Security even beyond 31.12.2021.

3. With reference to pre-bid meeting held on 02/12/2020, please find BHEL reply for technical/commercial queries raised by bidders:

3.1 Bidder Query: With reference to price schedule: Please clarify the basis of percentage of each item because if quantity of any item is more than price became lesser than actual price and if quantity is less than price became more than actual price.

BHEL Reply- Basis of percentage allocation is same as the proportion we have allocated in our costing. Bidders to follow NIT terms.

- 3.2 Bidder Query: With reference to price schedule: Please note that due to percentage prices come different for the same type of items e.g. fixtures in main supply and mandatory spares are same but their prices are different to each other due to percentage. Please clarify/ resolve it.

BHEL Reply- NIT terms will prevail. Bidders to quote accordingly.

Please reply to:

**Sh Sumeet Sahay, Manager  
CMM**

Power Project Engineering Institute Building  
HRD & ESI Complex Plot No. 25, Sector -16 A,  
BHEL-PEM, Noida-201301 (U.P.)  
Tel No.0120-4213532, 09999498202

Ref No. : PE/PG/RTC/E-6545/2020/CORRIGENDA-05

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3.3 Bidder Query: With reference to price schedule: Please note that quantities given under E&C Spares are in decimal/ fraction so request you please correct the same in whole numbers.

BHEL Reply- Suitable corrections has been done in e-procurement portal. Please refer attached Amendment-I to Annexure-I of NIT.

3.4 Bidder Query: With reference to price schedule: Please note that lighting fixtures type FC-07, 33 & 34 operated with DC supply are not available with approved lighting manufacturers so request you please provide the same with AC supply instead of DC supply.

BHEL Reply - Bidders were informed during pre-bid meeting that additional make of 220V DC fixture shall be proposed to NTPC for approval during detailed engineering since most of the reputed/NTPC approved luminaire makes available in the market does not have 220Vdc fixture in their industrial product category.

4. The last date of submission of offer against tender for (Framework Agreement) Rate Contract of LIGHTING FIXTURES, LAMPS AND MISC. ITEMS invited vide Enquiry No PE/PG/RTC/E-6545/2020, DTD-24.10.2020 has been extended till 19.12.2020, 11.00AM. Part I Bid opening will be done on 19.12.2020, 03.00PM. All bidders are requested to visit the website [www.bhel.com](http://www.bhel.com) (Tender Notifications Section) OR [www.bhelpem.com](http://www.bhelpem.com). All future corrigenda/ amendment and due date extension, if any, for this tender shall be hosted only on above websites.

Thanking You,

With Regards,

For & on behalf of BHEL

SUMEET SAHAY

MGR/CMM

Please reply to:

**Sh Sumeet Sahay, Manager  
CMM**

Power Project Engineering Institute Building  
HRD & ESI Complex Plot No. 25, Sector -16 A,  
BHEL-PEM, Noida-201301 (U.P.)  
Tel No.0120-4213532, 09999498202



AMENDMENT - I TO ANNEXURE- I TO NIT NO. PE/PG/RTC/E-6545/2020, DTD-24.10.2020

PRICE SCHEDULE FOR MAIN SUPPLY , E & C SPARES , MANDATORY SPARES , & SUPERVISION OF E & C OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT

RATE CONTRACT													
SL. NO.	ITEM CODE	ITEM DESCRIPTION	UOM	QUANTITY	HSN CODE	FORMULA FOR UNIT EX- WORKS PRICE (DULY PACKED) (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	FORMULA FOR TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES WITHOUT GST @ % OF TOTAL EX WORKS (INR)	APPLICABLE GST RATE % ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL FOR SITE PRICE (INR)	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.0		MAIN SUPPLY OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT											
1.1		Lighting Luminaires (complete with accessories)											
1.1.01	558-12117-A	LED tube fixture with industrail box type base without any cover (Equivalent to FC02) for Stair Case	Nos.	250	9405	0.01572	Derived	3.92966	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.02	558-12118-A	Industrial type LED tube fixture suitable for conduit/surface/suspended mounting, with integral driver aesthetically designed for switchgear/ equipment room (Equivalent to FC06)	Nos.	3000	9405	0.00157	Derived	4.71246	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.03	558-12119-A	Panel (600X600) LED luminaire suitable for recess mounting in false ceiling with integral driver aesthetically designed for control room/oofice (Equivalent to FC26)	Nos.	1000	9405	0.01354	Derived	13.53906	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.04	558-12200-A	High bay, industrail type LED fixture with driver & module (Equivalent to SB03)	Nos.	550	9405	0.00871	Derived	4.79299	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.05	558-12199-A	Medium bay, industrail type LED fixture with driver & module (Equivalent to SB02)	Nos.	250	9405	0.00672	Derived	1.68079	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.06	558-12120-A	LED fixture corrosion proof, totally enclosed type for battery room (Equivalent to FC81)	Nos.	600	9405	0.00055	Derived	0.32747	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.07	558-12122-A	Street Light LED Fixture SS62	Nos.	450	9405	0.01152	Derived	5.18469	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.08	558-12201-A	LED Flood Light heavy duty type SF63	Nos.	200	9405	0.01556	Derived	3.11171	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.09	558-12202-A	LED Flood Light heavy duty type SF64	Nos.	250	9405	0.02722	Derived	6.80515	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	



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PRICE SCHEDULE FOR MAIN SUPPLY , E & C SPARES , MANDATORY SPARES , & SUPERVISION OF E & C OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT

RATE CONTRACT													
SL. NO.	ITEM CODE	ITEM DESCRIPTION	UOM	QUANTITY	HSN CODE	FORMULA FOR UNIT EX- WORKS PRICE (DULY PACKED) (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	FORMULA FOR TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES WITHOUT GST @ % OF TOTAL EX WORKS (INR)	APPLICABLE GST RATE % ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL FOR SITE PRICE (INR)	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.1.10	558-12205-A	Well glass type, Vapour proff LED ficture suitable for platforms SW41	Nos.	1500	9405	0.00403	Derived	6.03797	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.11	558-12206-A	Well glass type, vapour proff LED ficture suitable for platforms SW42	Nos.	500	9405	0.00709	Derived	3.54411	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.12	558-12195-A	Industrial type LED fixture suitable for conduit/ surface/ suspended/ column mounting, having integral driver. Fixture shall operate on 220V DC input supply.(Equivanet to FC07)	Nos.	220	9405	0.00201	Derived	0.44235	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.13	558-12196-A	Decorative, recessed type LED fixture having integral driver. Fixture shall operate on 220V DC input supply. (Equivanet to FC33)	Nos.	100	9405	0.00163	Derived	0.16339	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.14	558-12197-A	Well glass, dust proof type LED fixture having integral driver. Fixture shall operate on 220V DC input supply.(Equivanet to FC34)	Nos.	100	9405	0.00346	Derived	0.34631	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.1.15	558-12224-A	Downlighter LED ( 18 W = 6x3W)	Nos.	50	9405	0.00180	Derived	0.08999	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.2		<b>24V supply module &amp; lamp unit complete with all accessories (For tehcnical detail please refer specification)</b>											
1.2.01	558-12002-A	Fixed type 24V supply modules	Nos.	20	8537	0.02587	Derived	0.51732	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.2.02	558-12078-A	Portable halogen lamp unit	Nos.	100	9405	0.00381	Derived	0.38067	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.2.03	558-12105-A	5A, 24V industrial type sockets	Nos.	300	8536	0.00363	Derived	1.08929	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	



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1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.3		Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)											
1.3.01	558-12087-A	Type SWB1	Nos.	300	8536	0.00061	Derived	0.18448	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.3.02	558-12088-A	Type SWB2	Nos.	100	8536	0.00195	Derived	0.19541	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.3.03	558-12089-A	Type SWB3	Nos.	100	8536	0.00437	Derived	0.43699	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.3.04	558-12099-A	Type SWB4	Nos.	100	8536	0.00499	Derived	0.49936	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.3.05	558-12100-A	Type SWB5	Nos.	100	8536	0.00606	Derived	0.60575	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.4		Junction boxes							Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.4.01	558-12026-A	Type JB-F	Nos.	8000	8536	0.00058	Derived	4.60705	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.4.02	558-12027-A	Type JB-FE	Nos.	520	8536	0.00061	Derived	0.31722	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.5		Receptacles											
1.5.01	558-12079-A	Type RA	Nos.	250	8536	0.00205	Derived	0.51195	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.5.02	558-12081-A	Type RB	Nos.	200	8536	0.00194	Derived	0.38750	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.5.03	558-12082-A	Type RC (welding receptacle)	Nos.	130	8536	0.01908	Derived	2.48068	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.6		Ceiling fans with electronic regulators											
1.6.01	558-12010-A	1200 mm sweep	Nos.	100	8414	0.00281	Derived	0.28111	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.7	558-12018-A	Emergency lighting Units (With Ni-Cd battery, Charger and 2 CFL lamp)	Nos.	100	8513	0.01779	Derived	1.77889	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	



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1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.8		<b>Flexible conduit</b>											
1.8.01	558-12021-A	20 mm dia TERNE coated conduit	mtrs.	11000	8307	0.00138	Derived	15.13886	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.9		<b>Ladder</b>											
1.9.01	558-12022-A	Free standing ladder	Nos.	10	8307	0.21083	Derived	2.10832	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.9.02	558-12091-A	Wheel mounted ladder	Nos.	10	7616	0.20018	Derived	2.00176	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.9.03	558-12019-A	EXIT SIGN	Nos.	100	9405	0.01380	Derived	1.38016	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.9.04	558-12094-A	Pedestal Fan 400m sweep (50-65 watt approx)	Nos.	100	8414	0.00688	Derived	0.68813	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.9.05	558-12139-A	Occupancy Sensor	Nos.	50	9999	0.00719	Derived	0.35949	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
1.10	<b>SUB TOTAL FOR MAIN SUPPLY ITEMS(from 1.1 to 1.9.05)</b>							<b>90.65849</b>	Derived	Derived	Derived	Derived	
2.0		<b>E&amp;C SPARE ITEMS</b>											
2.1		<b>Lighting Luminaires DRIVER</b>											
2.1.01	558-12017-A	Industrial type LED tube fixture suitable for conduit/surface/suspended mounting, with integral driver aesthetically designed for switchgear/ equipment room (Equivalent to FC06)	Nos.	90	9405	0.00131	Derived	0.11789	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.02	558-12017-A	Panel (600X600) LED luminaire suitable for recess mounting in false ceiling with integral driver aesthetically designed for control room/ooffice (Equivalent to FC26)	Nos.	30	9405	0.00471	Derived	0.14137	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.03	558-12017-A	High bay, industrail type LED fixture with driver & module (Equivalent to SB03)	Nos.	17	9405	0.02389	Derived	0.40617	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	



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RATE CONTRACT													
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1	2	3	4	5	6	7	8	9	10	11	12	13	14
2.1.04	558-12017-A	Medium bay, industrail type LED fixture with driver & module (Equivalent to SB02)	Nos.	8	9405	0.01797	Derived	0.14379	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.05	558-12017-A	LED fixture corrosion proof, totally enclosed type for battery room (Equivalent to FC81)	Nos.	18	9405	0.00280	Derived	0.05042	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.06	558-12017-A	LED tube fixture with industrail box type base without any cover (Equivalent to FC02) for Stair Case	Nos.	8	9405	0.00123	Derived	0.00983	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.07	558-12017-A	Street Light LED Fixture SS62	Nos.	14	9405	0.01111	Derived	0.15554	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.08	558-12017-A	LED Flood Light heavy duty type SF63	Nos.	6	9405	0.01556	Derived	0.09335	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.09	558-12017-A	LED Flood Light heavy duty type SF64	Nos.	8	9405	0.02552	Derived	0.20415	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.10	558-12017-A	Well glass type, Vapour proff LED ficture suitable for platforms SW41 (For Platform Lighting)	Nos.	45	9405	0.00403	Derived	0.18114	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.11	558-12017-A	Well glass type, vapour proff LED fixture suitable for platforms SW42 (For Platform Lighting 30% of SW41)	Nos.	15	9405	0.00709	Derived	0.10632	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.12	558-12017-A	Industrial type LED fixture suitable for conduit/ surface/ suspended/ column mounting, having integral driver. Fixture shall operate on 220V DC input supply.(Equivanet to FC07)	Nos.	7	8539	0.00190	Derived	0.01327	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.13	558-12017-A	Decorative, recessed type LED fixture having integral driver. Fixture shall operate on 220V DC input supply. (Equivanet to FC33)	Nos.	3	8539	0.00164	Derived	0.00491	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	



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## PRICE SCHEDULE FOR MAIN SUPPLY , E &amp; C SPARES , MANDATORY SPARES , &amp; SUPERVISION OF E &amp; C OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT

RATE CONTRACT													
SL. NO.	ITEM CODE	ITEM DESCRIPTION	UOM	QUANTITY	HSN CODE	FORMULA FOR UNIT EX- WORKS PRICE (DULY PACKED) (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	FORMULA FOR TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES WITHOUT GST @ % OF TOTAL EX WORKS (INR)	APPLICABLE GST RATE % ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL FOR SITE PRICE (INR)	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13	14
2.1.14	558-12017-A	Well glass, dust proof type LED fixture having integral driver. Fixture shall operate on 220V DC input supply.(Equivalent to FC34)	Nos.	3	8539	0.00346	Derived	0.01039	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.1.15	558-12017-A	Downlighter LED ( 18 W = 6x3W)	Nos.	2	9405	0.00135	Derived	0.00270	Derived	% TO BE QUOTED	% TO BE QUOTED	Derived	
2.2	SUB TOTAL FOR E & C SPARES (from 2.1.1 to 2.1.15)							1.64124	Derived	Derived	Derived	Derived	
3	MANDATORY SPARES OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT - For Break-up of items please refer Annexure- IA .							6.82181	Derived	Derived	Derived	Derived	
4	SUPERVISION OF E & C OF LIGHTING FIXTURES, LAMPS AND MISC. ITEMS RATE CONTRACT - For Break-up of items please refer Annexure-IB							0.87846	Derived	-	Derived	Derived	
5	GRAND TOTAL FOR MAIN SUPPLY , E & C SPARES , MANDATORY SPARES , & SUPERVISION OF E & C ( 1.10+2.2+3+4)							100.00000	X= TO BE QUOTED (IN FIGURES)	Derived	Derived	Derived	
6	GRAND TOTAL IN WORDS FOR SL.NO.5								X= TO BE QUOTED (IN WORDS)				

## NOTE :-

- Bidder has to quote only Total Value 'X' = i.e. Total lumpsum ex-works price for Main Supply+E& C Spares +Mandatory Spares + Supervision of E & C . Based on this price, unit price shall be derived for all items as per formula indicated above.
- Bidder to note that evaluation shall be on Total Ex works price + Freight. Bidder to quote grand total Ex works value of the complete package only as per the BOQ above. The item wise break up of Ex works prices (unit as well as total) for all the items in the BOQ shall be derived as per the formulae indicated above by BHEL. Bidder also need to indicate Freight and GST rate in percentage in the respective column. Freight percentage to be quoted in percentage of Ex works value considering delivery anywhere in India.
- Value is to be filled only where "to be quoted" is mentioned and for other columns where "derived" is mentioned same shall be derived by BHEL as per % allocation fixed against each item.
- Price mentioned anywhere else in BOQ shall not be taken in cognizance.
- For any clarification please refer Technical Specification no. PE-TS-999-558-E006, REV-0
- In case of Reverse Auction, vendor has to quote their Ex Works price+ Freight .
- Quantity variation shall be as per NIT.
- Container as mentioned cl.no.07 of section-II of Technical Specification are to be supplied along with the supplies. The price of container is deemed to be included in package price. No separate charges shall be payable.
- The material shall be supplied in LOTs. LOTs shall be released progressively based on approved conduit layout of different areas and project requirement.
- Lighting system design charges are deemed to be included in the price of above items. No separate charges for design activity will be payable.
- 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. 5.