

DELIVERY/ DOCUMENT SUBMISSION SCHEDULE

ANNEXURE-A

Lighting Fixtures, Lamps & Misc. Items : 5X800 MW Yadadri TPS

ENQUIRY NO.: PE/PG/YAD/E-6954/2022 dtd. 19.04.2022

Sl. No.	BHEL Drawing No	Drawing Title	Primary/Secondary	BHEL Inputs	Drg Sch for Vendors	Standard Delivery Terms for Supply Portion	Scope of Services, (if any, as per Indent) and corresponding schedule for rendering the services
1	PE-V0-417-558-E101	OGA of LED Lighting Fixtures.	Primary		R-0 within 28 days of PO & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	For Lot-1: Within 4 months from the approval of last applicable primary drawing/document for the released items in lot-1, subjected to drawing/document submission/re-submission schedule as stipulated, delay in initial submission (if any) of last submitted applicable primary drawing/document and/or delay in re-submissions of last applicable approved primary drawing/document (with reduction of overlapping period) shall be reduced from delivery period of four months.	Demonstration at site by vendor: Vendor to depute its service engineer for respective site activity within 15 days from BHEL's intimation (for deputing service engineer) for such site activity.
2	PE-V0-417-558-E102	GA/Datasheet of Misc. Items	Primary				
3	PE-V0-417-558-E103	OGA of DC & Flameproof Lighting Fixtures.	Primary				
4	PE-V0-417-558-E901	MQP FOR LUMINARIES	Primary				
5	PE-V0-417-558-E905	MQP FOR MISCELLANEOUS ITEMS	Primary				
6	PE-V0-417-558-E201	Lighting design Calculation	Secondary		Within 3 weeks from the date of BHEL input drawing & re- submission within 15 days of BHEL comments. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	Delivery of subsequent lots: within 4 months from approval of last applicable primary drawing/document (of items released first time in present lot only) or lot clearance by BHEL, whichever is later. This is subjected to drawing/document submission/re-submission schedule as stipulated, delay in initial submission (if any) of last submitted applicable primary drawing/document and/or delay in re-submissions of last applicable approved primary drawing/document (with reduction of overlapping period) shall be reduced from delivery period of four months.	For delay in deputing service engineer, LD on site activities portion shall be applicable @ ½% of the total site activities portion contract value (excluding element of taxes) per week or part thereof, with applicable GST. However, total LD (supply + site activities) shall be limited to 10% of cumulative total contract value excluding taxes and freight (supply + site activities).
7	PE-V0-417-558-E301	Lighting Layout	Secondary				
8	PE-V0-417-558-E107	BILL OF MATERIAL	Secondary		R0 within 1 month of approval of all primary documents. & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	Mandatory Spares : Supply of mandatory spares shall be after completion of main supply. Delivery shall be within four (04) months from the date of BHEL manufacturing clearance. Seperate dispatch / manufacturing clearance shall be issued for mandatory spares.	
9	PE-V0-417-558-E401	Conduit Layout	Secondary		Within 15 days from the approval of respective LLOs & re- submission within 15 days of BHEL comments. BHEL shall furnish comments / approval on each submission within 18 days from receipt.		
10	PE-V0-417-558-E104	MOUNTING ARRANGEMENT DRAWING	Secondary		Along with respective OGA		
11	PE-V0-417-558-E105	TYPE TEST REPORTS FOR LIGHTING FIXTURES	Secondary		Within 2 months from PO/ within 1 week of type test conduction (as applicable)		
12	PE-V0-417-558-E106	FIELD QUALITY PLAN OF LIGHTING FIXTURES	Secondary		Within 3 months from PO		

GENERAL NOTES FOR DELIVERY:

- The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.
- Vendor to start manufacturing activities only after obtaining specific manufacturing clearance from BHEL Purchase group.
- In case BHEL manufacturing clearance date is later than the date of Cat-1 approval of Primary drawing/documents, then the contractual delivery period will be calculated by setting off the time gap between Cat-1 approval date of Primary drawing/documents and the manufacturing clearance date, from any delay by vendor in submission/re-submission of Primary drawing/documents.



ANNEXURE - I
MAIN SUPPLY BOQ FOR LIGHTING FIXTURES, LAMPS & MISC. ITEMS
PROJECT:-5X800 MW Yadadri TPS
PACKAGE:-Lighting Fixtures, Lamps & Misc. items
ENQUIRY NO.: PE/PG/YAD/E-6954/2022 dtd. 19.04.2022

Item No.	DESCRIPTION	UNIT	QTY.	LOT-I	UNIT PRICE (INR)	TOTAL PRICE (INR)	REMARKS
	MAIN SUPPLY ITEMS						
1.0	Lighting Luminaires (complete with all accessories)						
1.1	Luminaire Type FC06 (LED)	Nos.	5530	1100			
1.2	Luminaire Type FC26 (LED)	Nos.	730	150			
1.3	Luminaire Type FC30 (LED)	Nos.	1330	250			
1.4	Luminaire Type FC07	Nos.	1500	300			
1.5	Luminaire Type FC33	Nos.	400	80			
1.6	Luminaire Type FC34	Nos.	1200	250			
1.7	Luminaire Type FC32 (LED)	Nos.	200	0			
1.8	Luminaire Type FC81 (LED)	Nos.	900	200			
1.9	Luminaire Type SF63 (LED)	Nos.	300	50			
1.10	Luminaire Type SF64 (LED)	Nos.	350	70			
1.11	Luminaire Type SF66 (LED)	Nos.	200	20			
1.12	Luminaire Type SB11 (LED)	Nos.	500	100			
1.13	Luminaire Type SB02 (LED)	Nos.	1580	300			
1.14	Luminaire Type SB03 (LED)	Nos.	520	100			
1.15	Luminaire Type SS61 (LED)	Nos.	100	20			
1.16	Luminaire Type SS62 (LED)	Nos.	1500	200			
1.17	Luminaire Type SS63 (LED)	Nos.	1800	250			
1.18	Luminaire Type SW41 (LED)	Nos.	20300	4000			
1.19	Luminaire Type SW42 (LED)	Nos.	6080	1200			
1.20	Luminaire Type MW96	Nos.	940	300			
1.21	LUMINAIRES TYPE DOWNLIGHTER 15-18W(LED)	Nos.	250	0			
1.22	COVE LIGHT (LED) - 5 MTR STRIP	Nos.	500	0			
2.0	Driver for LED Luminaires						
2.1	Driver - Luminaire Type FC06 (LED)	Nos.	20	0			
2.2	Driver - Luminaire Type FC26 (LED)	Nos.	20	0			
2.3	Driver - Luminaire Type FC30 (LED)	Nos.	20	0			
2.4	Driver - Luminaire Type FC32 (LED)	Nos.	20	0			
2.5	Driver - Luminaire Type FC81 (LED)	Nos.	20	0			
2.6	Driver - Luminaire Type SF63 (LED)	Nos.	200	0			
2.7	Driver - Luminaire Type SF64 (LED)	Nos.	160	0			
2.8	Driver - Luminaire Type SF66 (LED)	Nos.	20	0			
2.9	Driver - Luminaire Type SB11 (LED)	Nos.	160	0			
2.10	Driver - Luminaire Type SB02 (LED)	Nos.	120	0			
2.11	Driver - Luminaire Type SB03 (LED)	Nos.	120	0			
2.12	Driver - Luminaire Type SS61 (LED)	Nos.	300	0			
2.13	Driver - Luminaire Type SS62 (LED)	Nos.	200	0			
2.14	Driver - Luminaire Type SS63 (LED)	Nos.	100	0			
2.15	Driver - Luminaire Type SW41 (LED)	Nos.	200	0			
2.16	Driver - Luminaire Type SW42 (LED)	Nos.	80	0			
2.17	Driver - LuminaireS TYPE DOWNLIGHTER 15-18W(LED)	Nos.	20	0			
3.0	Switch boxes for individual control of circuits						
	Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.						
3.1	Type SWB1	Nos.	400	80			
3.2	Type SWB2	Nos.	150	30			
3.3	Type SWB3	Nos.	50	10			
4.0	Junction boxes						

4.1	Type JB-F	Nos.	42000	8600			
4.2	Type JB-FE	Nos.	900	200			
4.3	Type JB-S	Nos.	800	0			
5.0 Receptacles							
5.1	Type RA	Nos.	2500	500			
5.2	Type RA (Flame proof)	Nos.	50	10			
5.3	Type RB	Nos.	580	100			
5.4	Type RC	Nos.	540	100			
5.5	Type RC (Flame proof)	Nos.	15	5			
6.0 Ceiling fans with electronic regulators							
6.1	1200 mm sweep	Nos.	20	0			
6.2	1400 mm sweep	Nos.	40	0			
6.3	Pedestal Fan	Nos.	20	0			
7.0 Emergency lighting Units							
7.1	With Ni-Cd battery and 2 X 6 W LED lamp	Nos.	40	0			
8.0 24V supply module & lamp unit complete with all accessories							
8.1	Fixed type 24V supply modules	Nos.	150	30			
8.2	Portable type 24V supply modules	Nos.	50	10			
8.3	Portable halogen lamp unit	Nos.	50	10			
8.4	5A, 24V industrial type sockets	Nos.	600	120			
9.0 Ladder							
9.1	Free standing ladder (Adjustable from 5M to 10M)	Nos.	8	0			
9.2	Wheel mounted ladder	Nos.	2	0			
10.0	EXIT SIGN	Nos.	40	0			
11.0 SUPERVISION OF E&C							
11.1	CHARGES PER VISIT	VISIT	10				REFER NOTE-1, 2, 3 & 4
11.2	MANDAYS CHARGES	DAYS	50				REFER NOTE-1, 2, 3 & 4
12.0	ERECTION HARDWARES & CONSUMABLES	LOT	1				REFER ANNEXURE-A

NOTES

- FOR SUPERVISION OF E&C 10 (TEN) VISIT AND 50 (FIFTY) MANDAYS TO BE CONSIDERED. THE PRICES SHALL BE INCLUSIVE OF CHARGES OF AIRFARE (TO & FRO), BOARDING, LODGING, VISA, MEDICAL, INSURANCE ETC & EXCLUSIVE OF TAXES.
- AMOUNT PAYABLE PER VISIT = VISIT CHARGES AS PER SL. NO. 11.1 ABOVE (+) UNIT PRICE FOR MANDAYS CHARGES AS PER SL. NO. 11.2 ABOVE (x) NO. OF MANDAYS AT SITE (TO BE CERTIFIED BY BHEL SITE)
- UNIT RATE FOR 11.1 AND 11.2 ARE INR 20000/- AND INR 5000/- RESPECTIVELY AND SAME IS FIRM.
- NOS. OF VISIT FOR SUPERVISION OF E&C MAY CHANGE BASED ON PROJECT REQUIREMENT.
- CONTAINERS 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.
- 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.
- QUANTITY FOR MANDATORY SPARES FROM ABOVE MENTIONED QUANTITY SHALL BE FURNISHED AS SEPARATE LOT.



ANNEXURE - II

BOQ OF ERECTION HARDWARES & CONSUMABLES FOR LIGHTING FIXTURES, LAMPS & MISC. ITEMS

PROJECT:-5X800 MW Yadadri TPS

PACKAGE:-Lighting Fixtures, Lamps & Misc. items

ENQUIRY NO.: PE/PG/YAD/E-6954/2022 dtd. 19.04.2022

Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE (INR)	TOTAL PRICE (INR)	REMARKS
	ERECTION HARDWARES & CONSUMABLES					
1.0	Erection Hardwares & Consumables					
1.1	20mm Saddle	Set	4000			1 Set = 100 Pieces
1.2	20mm Spacer	Set	2500			
1.3	20mm Coupler	Set	1000			
1.4	20mm 1 way circular junction box	Nos.	10000			
1.5	20mm 2 way circular junction box	Nos.	20000			
1.6	20mm 3 way circular junction box	Nos.	20000			
1.7	20mm circular box	Nos.	10000			
1.8	20mm inspection bend	Nos.	100000			
1.9	20mm ball & socket	Nos.	40000			
1.10	20mm checknut	Set	400			
1.11	Adaptor gland set for 20mm flexible	Set	1000			1 Set = 100 Pieces
1.12	25mm Saddle	Set	600			1 Set = 100 Pieces
1.13	25mm Spacer	Set	350			
1.14	25mm Coupler	Set	150			
1.15	25mm 1 way circular junction box	Nos.	2000			
1.16	25mm 2 way circular junction box	Nos.	4000			
1.17	250mm 3 way circular junction box	Nos.	4000			
1.18	25mm circular box	Nos.	2500			
1.19	25mm inspection bend	Nos.	15000			
1.20	25mm ball & socket	Nos.	6000			
1.21	25mm checknut	Set	60			
1.22	Adaptor gland set for 25mm flexible	Set	150			1 Set = 100 Pieces
1.23	20mm Epoxy coated Saddle spacer set	Set	50			1 Set = 100 Pieces
1.24	25mm Epoxy coated Saddle spacer set	Set	5			
1.25	40/20 mm reducer	Nos.	5000			
1.26	40mm 90 deg bend	Nos.	2000			
1.27	40mm U Bolt with nut washer	Nos.	1000			
1.28	40 mm Clamp/ Saddle	Nos.	500			
1.29	M4x25 csk nut bolt	Set	1000			1 Set = 100 Pieces
1.30	M / H Hook with rawl plug	Nos.	5000			
1.31	Anchor bolt M10x70	Nos.	10000			
1.32	Screw (Ball & socket on circular box)	Set	4000			1 Set = 100 Pieces
1.33	Machine Screw with rawl plug 3/4"	Set	4000			
1.34	Aluminium paint for pole & MS structure painting	Set	200			1 Set = 4 Ltr.
1.35	Primer and oxide paint for pole & MS structure painting	Set	500			1 Set = 4 Ltr.
1.36	Nail clamp for 3Cx2.5 Sq. mm CU LT XLPE Cable	Set	100			1 Set = 100 Pieces
1.37	Electrical tape 18mm Width & 8 Mtr. Length	Set	50			1 Set = 30 Pieces

NOTES

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THE ABOVE QUANTITIES ARE INDICATIVE QUANTITY FOR ERECTION HARDWARES & CONSUMABLES & FINAL QUANTITY SHALL VARY DURING ENGINEERING, HOWEVER UNIT PRICE OF ITEM SHALL REMAINS SAME IRRESPECTIVE OF CHANGE IN ITEM QUANTITY. THE MATERIAL SHALL BE SUPPLIED IN LOTS. LOTS SHALL BE RELEASED PROGRESSIVELY BASED ON ENGINEERING AND PROJECT/SITE REQUIREMENT.

ANNEXURE - III**SCHEDULE OF TECHNICAL AND COMMERCIAL DEVIATION****PROJECT:-5X800 MW Yadadri TPS****PACKAGE:-Lighting Fixtures, Lamps & Misc. items****ENQUIRY NO.: PE/PG/YAD/E-6954/2022 dtd. 19.04.2022****NAME OF VENDOR:-**

SL NO	VOULME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWL OF DEVIATION (POSITIVE/ NEGATIVE)	REASON FOR QUOTING DEVIATION
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TECHNICAL DEVIATIONS

COMMERCIAL DEVIATIONS

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE

NAME	DESIGNATIONS	SIGN & DATE

NOTES:

1. Cost of Withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. All the bidders have to list out all their technical & commercial deviations (if any) in details in the above format.
3. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
4. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable. In absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.
5. Bidder shall furnish price copy of above format along with price bid.
6. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
7. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
8. For deviations w.r.t. Credit Period, Liquidated damages, Firm prices if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VII of GCC, Rev-07 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
9. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
10. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
11. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL.
12. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
13. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.