

RESTORATION OF OBRA 'B' TPS UNIT-12 &13
PACAKGE:- STATION LIGHTING SYSTEM (ERECTION AND COMMISSIONING)
BOQ CUM PRICE SCHEDULE
ANNEXURE - II TO ENQUIRY NO. PE/PG/ORP/E-6198/2019, Dt:- 10.05.19

Sl. No.	Item Code	DESCRIPTION	UOM	QTY.	SAC	UNIT E & C PRICE (Rs.)	TOTAL E & C PRICE (Rs.)	GST		TOTAL E & C PRICE INCL. GST (Rs.)
								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
1.0		Lighting/ Welding Distribution Board (LDB/WDB)								
1.1	558-11013-C	AC WDB Type LDB-H (12) without transformer (including cubicle suitable for 2 nos. 100 kVA transformer)	Nos.	1	995461					
1.2	558-11136-C	100kVA transformer for housing in 1.1 - Normal Non encapsulated type	Nos.	2	995461					
1.3	558-11010-C	AC LDB Type LDB-F (8) without transformer (including cubicle suitable for 2 nos. 50 kVA transformer)	Nos.	3	995461					
1.4	558-11139-C	50kVA transformer for housing in 1.3 - Normal Non encapsulated type	Nos.	6	995461					
1.5	558-11019-C	DCLDB Type LDB-D (6)	Nos.	1	995461					
2.0		Lighting Panels (LP)								
2.1	558-11074-C	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	4	995461					
2.2	558-11075-C	AC Normal /Emergency indoor Type LP – A (18) [with timer]	Nos.	9	995461					
2.3	558-11072-C	AC Normal /Emergency (Decorative) Type LP – A (12) [with timer]	Nos.	5	995461					
2.4	558-11217-C	DC indoor Type LP – D (6)	Nos.	4	995461					

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								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
3.0		Lighting Luminaires (complete with accessories)								
3.1	558-11284-C	Industrial type LED tube fixture suitable for conduit/surface/suspended mounting, with integral driver aesthetically designed for switchgear/ equipment room (Equivalent to FC06)	Nos.	402	995461					
3.2	558-11285-C	Panel (600X600) LED luminaire suitable for recess mounting in false ceiling with integral driver aesthetically designed for control room/ooffice (Equivalent to FC26)	Nos.	563	995461					
3.3	558-11286-C	LED fixture corrosion proof, totally enclosed type for battery room (Equivalent to FC81)	Nos.	132	995461					
3.4	558-11283-C	LED tube fixture with industrail box type base without any cover (Equivalent to FC02) for Stair Case	Nos.	20	995461					
3.5	558-11311-C	LED Flood Light heavy duty type SF63	Nos.	5	995461					

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Sl. No.	Item Code	DESCRIPTION	UOM	QTY.	SAC	UNIT E & C PRICE (Rs.)	TOTAL E & C PRICE (Rs.)	GST		TOTAL E & C PRICE INCL. GST (Rs.)
								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
3.6	558-11269-C	FC07 (1 x 18) Fluorescent, industrial box type base and vitreous enamelled side reflectors operating on 220V DC input supply. (Switchgear Room DC lighting)	Nos.	36	995461					
3.7	558-11267-C	FC33 (1 x 18) Fluorescent, decorative, recessed type with mirror optic reflector operating on 220V DC input supply. (Control Room DC lighting)	Nos.	37	995461					
3.8	558-11268-C	FC34 (1 x 18) Fluorescent, dust proof, totally enclosed type with sheet steel housing operating on 220V DC input supply. (Misc. Area DC lighting)	Nos.	10	995461					
4.0		24V supply module & lamp unit complete with all accessories (For tehcnical detail please refer specification)								
4.1	558-11002-C	Fixed type 24V supply modules	Nos.	13	995461					
4.2	558-11263-C	5A, 24V industrial type sockets	Nos.	17	995461					
5.0		Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)								

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Sl. No.	Item Code	DESCRIPTION	UOM	QTY.	SAC	UNIT E & C PRICE (Rs.)	TOTAL E & C PRICE (Rs.)	GST		TOTAL E & C PRICE INCL. GST (Rs.)
								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
5.1	558-11132-C	Type SWB1	Nos.	12	995461					
5.2	558-11133-C	Type SWB2	Nos.	12	995461					
5.3	558-11134-C	Type SWB3	Nos.	23	995461					
5.4	558-11250-C	Type SWB4	Nos.	14	995461					
6.0		Junction boxes								
6.1	558-11038-C	Type JB-F	Nos.	1165	995461					
6.2	558-11039-C	Type JB-FE	Nos.	123	995461					
7.0		Receptacles								
7.1	558-11121-C	Type RA	Nos.	23	995461					
7.2	558-11123-C	Type RB	Nos.	135	995461					
7.3	558-11124-C	Type RC	Nos.	5	995461					
8.0		Ceiling fans with electronic regulators								
8.1	558-11014-C	1200 mm sweep	Nos.	1	995461					
9.0	558-11024-C	Emergency lighting Units (With Ni-Cd battery, Charger and 2 CFL lamp)	Nos.	15	995461					
10.0		Wires								
10.1	558-11145-C	1x2.5 mm ² Cu PVC	mtrs.	37700	995461					
10.2	558-11146-C	1x 4 mm ² Cu PVC	mtrs.	13700	995461					
11.0		Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)								

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Sl. No.	Item Code	DESCRIPTION	UOM	QTY.	SAC	UNIT E & C PRICE (Rs.)	TOTAL E & C PRICE (Rs.)	GST		TOTAL E & C PRICE INCL. GST (Rs.)
								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
11.1	558-11030-C	20 mm dia GI conduit, 1.6 mm thick	mtrs.	12700	995461					
11.2	558-11031-C	25 mm dia GI conduit, 1.6 mm thick	mtrs.	1700	995461					
11.3	558-11149-C	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	mtrs.	1000	995461					
12.0		Flexible PVC coated conduit								
12.1	558-11026-C	20 mm dia PVC coated conduit	mtrs.	3220	995461					
13.0	558-11025-C	EXIT SIGN	Nos.	28	995461					
14.0	558-11006-C	35X6 mm GI flat	mtrs.	132	995461					
15.0	558-11008-C	50X6mm GI flat	mtrs.	30	995461					
16.0	558-11035-C	16 SWG Wire	Meter	18075	995461					
17.0		Laying & termination of cables (cables to be laid on tray)								
17.1	558-11175-C	3.5C X 95 mm2	Meter	100	995461					
17.2	558-11173-C	3.5C X 50 mm2	Meter	50	995461					
17.3	558-11171-C	3.5C X 25mm2	Meter	25	995461					
17.4	558-11207-C	3C X 2.5 mm2 armoured cable	Meter	25	995461					
17.5	558-11185-C	2C X 25 mm2	Meter	25	995461					
18.0		Laying & termination of cables (Cables to be buried under ground)								
18.1	558-11193-C	3.5C X 95 mm2	Meter	10	995461					

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								GST RATE IN % ON TOTAL E & C PRICE)	GST AMOUNT ON (TOTAL E & C PRICE) (Rs.)	
18.2	558-11191-C	3.5C X 50 mm2	Meter	10	995461					
18.3	558-11189-C	3.5C X 25mm2	Meter	10	995461					
18.4	558-11203-C	2C X 25 mm2	Meter	10	995461					
19.0		TOTAL OF E & C								

NOTES:

- 1.Erection & commissioning materials (such as double compression cable glands, conduit fittings viz. couplers, elbows, bends,tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs,ferrules, expansion fastners, covers for power outlets in wash rooms and showers, ball & sockets, earth clips, fan boxes,clamps, screws, ceiling rose, casing and capings etc. form part of erection activities) and accessories including commissioning & operational spares upto system handing over to customer has to be worked out for complete and successful erection & commissioning of the total supply as per BOQ. The price to be quoted for SUPPLY accordingly for equipment and fittings.
- 2.Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
3. Installation of lamp shall be part of E&C of respective fixture. The E&C price of fixtures to be quoted accordingly.
4. All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back.

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RESTORATION OF OBRA 'B' TPS UNIT-12 &13
PACAKGE:- STATION LIGHTING SYSTEM (MAIN SUPPLY)
BOQ CUM PRICE SCHEDULE
ANNEXURE - I TO ENQUIRY NO. PE/PG/ORP/E-6198/2019, Dt:- 10.05.19

Item Code	Sl. No.	DESCRIPTION MAIN SUPPLY ITEMS	UOM	QTY.	HSN CODE	UNIT EX- WORKS PRICE (DULY PACKED) (Rs.)	TOTAL EX- WORKS PRICE (DULY PACKED) (Rs.)	FREIGHT CHARGES		TOTAL PRICE (EXWORKS + FREIGHT) (Rs.)	GST		Total FOR Site Price (Rs.)
								@ % OF TOTAL EX WOKRS	FREIGHT AMOUNT (Rs.)		GST RATE IN % ON TOTAL EXWORKS + FREIGHT)	GST AMOUNT ON (EXWORKS + FREIGHT) (Rs.)	
	1.0	Lighting/ Welding Distribution Board (LDB/WDB)											
558-11013-A	1.1	AC WDB Type WDB-H (12) without transformer (including cubicle suitable for 2 nos. 100 kVA transformer)	Nos.	1	8537								
558-11136-A	1.2	100kVA transformer for housing in 1.1 - Normal Non encapsulated type	Nos.	2	8504								
558-11010-A	1.3	AC LDB Type LDB-F (8) without transformer (including cubicle suitable for 2 nos. 50 kVA transformer)	Nos.	3	8537								
558-11139-A	1.4	50kVA transformer for housing in 1.3 - Normal Non encapsulated type	Nos.	6	8504								
558-11019-A	1.5	DC LDB Type LDB-D (6)	Nos.	1	8537								
	2.0	Lighting Panels (LP)											
558-11074-A	2.1	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	4	8537								
558-11075-A	2.2	AC Normal /Emergency indoor Type LP – A (18) [with timer]	Nos.	9	8537								
558-11072-A	2.3	AC Normal /Emergency (Decorative) Type LP – A (12) [with timer]	Nos.	5	8537								
558-11217-A	2.4	DC indoor Type LP – D (6)	Nos.	4	8537								
	3.0	Lighting Luminaires (complete with accessories)											
558-11284-A	3.1	Industrial type LED tube fixture suitable for conduit/surface/suspended mounting, with integral driver aesthetically designed for switchgear/ equipment room (Equivalent to FC06)	Nos.	402	9405								

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Item Code	Sl. No.	DESCRIPTION MAIN SUPPLY ITEMS	UOM	QTY.	HSN CODE	UNIT EX- WORKS PRICE (DULY PACKED) (Rs.)	TOTAL EX- WORKS PRICE (DULY PACKED) (Rs.)	FREIGHT CHARGES		TOTAL PRICE (EXWORKS + FREIGHT) (Rs.)	GST		Total FOR Site Price (Rs.)
								@ % OF TOTAL EX WOKRS	FREIGHT AMOUNT (Rs.)		GST RATE IN % ON TOTAL EXWORKS + FREIGHT)	GST AMOUNT ON (EXWORKS + FREIGHT) (Rs.)	
558-11285-A	3.2	Panel (600X600) LED luminaire suitable for recess mounting in false ceiling with integral driver aesthetically designed for control room/ooffice (Equivalent to FC26)	Nos.	563	9405								
558-11286-A	3.3	LED fixture corrosion proof, totally enclosed type for battery room (Equivalent to FC81)	Nos.	132	9405								
558-11283-A	3.4	LED tube fixture with industrail box type base without any cover (Equivalent to FC02) for Stair Case	Nos.	20	9405								
558-11311-A	3.5	LED Flood Light heavy duty type SF63	Nos.	5	9405								
558-11269-A	3.6	FC07 (1 x 18) Fluorescent, industrial box type base and vitreous enamelled side reflectors operating on 220V DC input supply. (Switchgear Room DC lighting)	Nos.	36	9405								
558-11267-A	3.7	FC33 (1 x 18) Fluorescent, decorative, recessed type with mirror optic reflector operating on 220V DC input supply. (Control Room DC lighting)	Nos.	37	9405								
558-11268-A	3.8	FC34 (1 x 18) Fluorescent, dust proof, totally enclosed type with sheet steel housing operating on 220V DC input supply. (Misc. Area DC lighting)	Nos.	10	9405								
558-11271-A	3.9	18W CFL for DC LIGHTING	Nos.	83	9405								
	4.0	24V supply module & lamp unit complete with all accessories (For tehcnical detail please refer specification)											

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								@ % OF TOTAL EX WOKRS	FREIGHT AMOUNT (Rs.)		GST RATE IN % ON TOTAL EXWORKS + FREIGHT)	GST AMOUNT ON (EXWORKS + FREIGHT) (Rs.)	
558-11002-A	4.1	Fixed type 24V supply modules	Nos.	13	8537								
558-11120-A	4.2	Portable halogen lamp unit	Nos.	6	9405								
558-11263-A	4.3	5A, 24V industrial type sockets	Nos.	17	8536								
	5.0	Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)											
558-11132-A	5.1	Type SWB1	Nos.	12	8536								
558-11133-A	5.2	Type SWB2	Nos.	12	8536								
558-11134-A	5.3	Type SWB3	Nos.	23	8536								
558-11250-A	5.4	Type SWB4	Nos.	14	8536								
	6.0	Junction boxes											
558-11038-A	6.1	Type JB-F	Nos.	1165	8536								
558-11039-A	6.2	Type JB-FE	Nos.	123	8536								
	7.0	Receptacles											
558-11121-A	7.1	Type RA	Nos.	23	8536								
558-11123-A	7.2	Type RB	Nos.	135	8536								
558-11124-A	7.3	Type RC	Nos.	5	8536								
	8.0	Ceiling fans with electronic regulators											
558-11014-A	8.1	1200 mm sweep	Nos.	1	8414								
558-11024-A	9.0	Emergency lighting Units (With Ni-Cd battery, Charger and 2 CFL lamp)	Nos.	15	8513								
	10.0	Wires											
558-11145-A	10.1	1x2.5 mm ² Cu PVC	mtrs.	37700	8544								
558-11146-A	10.2	1x 4 mm ² Cu PVC	mtrs.	13700	8544								
	11.0	Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)											
558-11030-A	11.1	20 mm dia GI conduit, 1.6 mm thick	mtrs.	12700	7306								

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								@ % OF TOTAL EX WOKRS	FREIGHT AMOUNT (Rs.)		GST RATE IN % ON TOTAL EXWORKS + FREIGHT)	GST AMOUNT ON (EXWORKS + FREIGHT) (Rs.)	
558-11031-A	11.2	25 mm dia GI conduit, 1.6 mm thick	mtrs.	1700	7306								
558-11149-A	11.3	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	mtrs.	1000	7306								
	12.0	Flexible PVC coated conduit											
558-11026-A	12.1	20 mm dia PVC coated conduit	mtrs.	3220	8307								
558-11127-A	13.0	Structural steel	MT	3.5	7216								
	14.0	Ladder											
558-11028-A	14.1	Free standing ladder	Nos.	1	7616								
558-11142-A	14.2	Wheel mounted ladder	Nos.	1	7616								
558-11025-A	15.0	EXIT SIGN	Nos.	28	9405								
558-11170-A	16.0	Pedestal Fan	Nos.	5	8414								
558-11006-A	17.0	35X6 mm GI flat	mtrs.	132	7211								
558-11008-A	18.0	50X6mm GI flat	mtrs.	30	7211								
558-11035-A	19.0	16 SWG Wire	Meter	18075	7217								
	20.0	TOTAL OF MAIN SUPPLY											

NOTES:

- Items shall be cleared for manufacturing and supply in stages (Lots) on the basis of engineering progress. Required information of engineering progress to be furnished by vendor who is responsible for engineering of lighting system
- 'Basic Design Documents' cover: Drawings/ documents schedule, technical data sheets, GA dwgs. of equipments, quality plan, type test reports for Station Lighting System.
- Erection & commissioning materials (such as double compression cable glands, conduit fittings viz. couplers, elbows, bends, tees, circular boxes etc., conduit accessories viz. clips, saddles, spacing plates, entry bushes, lock nuts, plugs, heavy duty lugs, ferrules, expansion fastners, covers for power outlets, ball & sockets, earth clips, fan boxes, clamps, screws, ceiling rose, casing and capings etc. form part of erection activities) and accessories including commissioning & operational spares upto system handing over to customer has to be worked out for complete and successful erection & commissioning of the total supply as per BOQ. The price to be quoted for SUPPLY accordingly for equipment and fittings.
- Design engineering charges are considered to be included in main equipment supply price. No separate charges shall be applicable.
- Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
- Installation of lamp shall be part of E&C of respective fixture. The E&C price of fixtures to be quoted accordingly.
- All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder.

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