

		TECHNICAL SPECIFICATION STATION LIGHTING SYSTEM 2 X 800 MW NTPC LARA STPS STAGE - II					PE-TS-508-558-E001	
							Issue No: 01	
							Rev. No. 00	
UNPRICED SCHEDULE (MAIN SUPPLY)								
Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL PRICE	Freight %age in terms of Total Ex- Works price	GST %age	Remarks
	MAIN SUPPLY ITEMS							
1.0	Lighting Luminaires (complete with accessories)							
1.1	Luminaire Type LED FC06 (LED)	Nos.	2938					
1.2	Luminaire Type LED FC07 (LED) - DC	Nos.	480					
1.3	Luminaire Type LED FC30 (LED)	Nos.	734					
1.4	Luminaire Type LED FC33 (LED) - DC	Nos.	279					
1.5	Luminaire Type LED FC34 (LED) - DC	Nos.	728					
1.6	Luminaire Type LED FC81 (LED)	Nos.	425					
1.7	Luminaire Type LED SB11 (LED)	Nos.	167					
1.8	Luminaire Type LED SB02 (LED)	Nos.	605					
1.9	Luminaire Type LED SB03 (LED)	Nos.	227					
1..10	Luminaire Type LED SF63 (LED)	Nos.	185					
1.11	Luminaire Type LED SF64 (LED)	Nos.	87					
1.12	Luminaire Type LED SS62 (LED)	Nos.	754					
1.13	Luminaire Type LED SS63 (LED)	Nos.	535					
1.14	Luminaire Type LED SW41 (LED)	Nos.	8900					
1.15	Luminaire Type LED SW42 (LED)	Nos.	2284					
1.16	Luminaire Type LED MW96 (LED)	Nos.	138					
1.17	LUMINAIRE TYPE DOWNLIGTER 15-18W(LED)	Nos.	438					
1.18	LUMINAIRE DIMABLE DOWNLIGTER 15-18W(LED)	Nos.	30					
1.19	Cove Light - LED (5m Strip)	Nos.	79					
2.0	Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)							
2.1	SWITCH BOXES TYPE SWB1	Nos.	50					
2.2	SWITCH BOXES TYPE SWB2	Nos.	100					
2.3	SWITCH BOXES TYPE SWB3	Nos.	20					
2.4	SWITCH BOXES TYPE SWB4	Nos.	10					
2.5	SWITCH BOXES TYPE SWB5	Nos.	5					
3.0	Junction boxes							
3.1	JUNCTION BOXES TYPE JB-F	Nos.	19,276					
3.2	JUNCTION BOXES TYPE JB-FE	Nos.	425					
4.0	Receptacles							
4.1	RECEPTACLES TYPE RA	Nos.	640					
4.2	RECEPTACLES TYPE RA (FLAME PROOF)	Nos.	9					
4.3	RECEPTACLES TYPE RB	Nos.	217					
4.4	RECEPTACLES TYPE RC	Nos.	380					
4.5	RECEPTACLES TYPE-RC (FLAME PROOF)	Nos.	2					
4.6	RECEPTACLES TYPE-RD	Nos.	4					
5.0	Fans							
5.2	Pedestal Fan	Nos.	50					
6.0	Emergency lighting Units							
6.1	With Ni-Cd battery, Charger and 2 LED lamps	Nos.	20					
7.0	24V Supply module & lamp unit complete with all accessories							
7.1	Fixed type 24V supply modules	Nos.	30					
7.2	Portable type 24V supply modules	Nos.	33					
7.3	Portable halogen lamp unit (With Halogen/LED lamp)	Nos.	30					
8.0	5A, 24V SOCKET & LAMP (Lamp excluded)	Nos.	143					
9.0	EXIT SIGN	Nos.	110					
10.0	Occupancy Sensor	Nos.	55					
11.0	Lighting Dimmer System	Nos.	1					

Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL PRICE	Freight %age in terms of Total Ex- Works price	GST %age	Remarks
	MAIN SUPPLY ITEMS							
12.0	FLEXIBLE CONDUITS							
12.1	20 mm dia TERNE coated conduit	mtrs.	25,000					
13.0	Ladder							
13.1	Free standing ladder (adjustable from 05M to 10M)	Nos.	7					
13.2	Wheel mounted portable ladder	Nos.	7					
14.0	Structural steel	MT	60					
15.0	GI wire & Flat							
15.1	14 SWG Wire	mtrs.	5,40,000					
15.2	25 X 3 MM GI FLAT	mtrs.	6,000					
15.3	50 X 6 MM GI FLAT	mtrs.	3,000					
16.0	MS ROD							
16.1	20 MM DIA MS ROD	Nos.	700					
17.0	Hume pipe							
17.1	Hume pipe 100 mm dia	mtrs.	550					
18.0	Erection Material & consumables (For main supply items)	Lots	1					
19.0	LIGHTING DISTRIBUTION BOARD (LDB)							
19.1	AC LDB TYPE-H (O/G 18)-WITH TWO INCOMER							
19.1.1	AC LDB TYPE-H (O/G 18) without transformer (including cubicle suitable for 2 no. 100 kVA transformer)	Nos.	4					
19.1.2	100kVA transformer for AC LDB TYPE-H(O/G 18) - Normal Non-encapsulated type	Nos.	8					
19.2	AC LDB TYPE-H(O/G 12)-WITH TWO INCOMER							
19.2.1	AC LDB TYPE-H(O/G 12) without transformer (including cubicle suitable for 2 nos. 100 kVA transformer)	Nos.	24					
19.2.2	100kVA transformer for AC LDB TYPE-H(O/G 12) - Normal Non- encapsulated type	Nos.	48					
19.3	AC LDB TYPE-H(O/G 8)-WITH TWO INCOMER							
19.3.1	AC LDB TYPE-H(O/G 8) without transformer (including cubicle suitable for 2 no. 50 kVA transformer)	Nos.	3					
19.3.2	50kVA transformer for AC LDB TYPE-H(O/G 8) - Normal Non- encapsulated type	Nos.	6					
19.4	AC WDB TYPE -H (12)							
19.4.1	AC WDB TYPE -H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	10					
19.4.2	100kVA transformer for AC WDB TYPE -H (12) - Normal Non- encapsulated type	Nos.	10					
19.5	AC WDB TYPE -F (O/G 8)							
19.5.1	AC WDB TYPE -F (O/G 8) without transformer (including cubicle suitable for 1 no. 50 kVA transformer)	Nos.	2					
19.5.2	50kVA transformer for AC WDB TYPE -F (O/G 8) - Normal Non- encapsulated type	Nos.	2					
19.6	DC LDB TYPE-D (12)	Nos.	6					
20.0	LIGHTING PANELS (LP)							
20.1	LIGHTING PANEL (DECORATIVE) TYPE-A (18)	Nos.	7					
20.2	LIGHTING PANEL INDOOR TYPE-LP-A (18) WITH TIME SWITCH	Nos.	31					
20.3	LIGHTING PANEL OUTDOOR TYPE-LP-A (18) WITH TIME SWITCH	Nos.	47					

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	TECHNICAL SPECIFICATION						PE-TS-508-558-E001
	STATION LIGHTING SYSTEM						Issue No: 01
	2 X 800 MW NTPC LARA STPS STAGE - II						Rev. No. 00
UNPRICED SCHEDULE FOR ERECTION AND COMMISSIONING (INSTALLATION)							
Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL PRICE	GST %age	Remarks
	MAIN SUPPLY ITEMS						
1.0	Lighting Luminaires (complete with accessories)						
1.1	Luminaire Type LED FC06 (LED)	Nos.	2938				
1.2	Luminaire Type LED FC07 (LED) - DC	Nos.	480				
1.3	Luminaire Type LED FC30 (LED)	Nos.	734				
1.4	Luminaire Type LED FC33 (LED) - DC	Nos.	279				
1.5	Luminaire Type LED FC34 (LED) - DC	Nos.	728				
1.6	Luminaire Type LED FC81 (LED)	Nos.	425				
1.7	Luminaire Type LED SB11 (LED)	Nos.	167				
1.8	Luminaire Type LED SB02 (LED)	Nos.	605				
1.9	Luminaire Type LED SB03 (LED)	Nos.	227				
1..10	Luminaire Type LED SF63 (LED)	Nos.	185				
1.11	Luminaire Type LED SF64 (LED)	Nos.	87				
1.12	Luminaire Type LED SS62 (LED)	Nos.	754				
1.13	Luminaire Type LED SS63 (LED)	Nos.	535				
1.14	Luminaire Type LED SW41 (LED)	Nos.	8900				
1.15	Luminaire Type LED SW42 (LED)	Nos.	2284				
1.16	Luminaire Type LED MW96 (LED)	Nos.	138				
1.17	LUMINAIRE TYPE DOWNLIGTER 15-18W(LED)	Nos.	438				
1.18	LUMINAIRE DIMABLE DOWNLIGTER 15-18W(LED)	Nos.	30				
1.19	Cove Light - LED (5m Strip)	Nos.	79				
2.0	Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)						
2.1	SWITCH BOXES TYPE SWB1	Nos.	50				
2.2	SWITCH BOXES TYPE SWB2	Nos.	100				
2.3	SWITCH BOXES TYPE SWB3	Nos.	20				
2.4	SWITCH BOXES TYPE SWB4	Nos.	10				
2.5	SWITCH BOXES TYPE SWB5	Nos.	5				
3.0	Junction boxes						
3.1	JUNCTION BOXES TYPE JB-F	Nos.	19,276				
3.2	JUNCTION BOXES TYPE JB-FE	Nos.	425				
4.0	Receptacles						
4.1	RECEPTACLES TYPE RA	Nos.	640				
4.2	RECEPTACLES TYPE RA (FLAME PROOF)	Nos.	9				
4.3	RECEPTACLES TYPE RB	Nos.	217				
4.4	RECEPTACLES TYPE RC	Nos.	380				
4.5	RECEPTACLES TYPE-RC (FLAME PROOF)	Nos.	2				
4.6	RECEPTACLES TYPE-RD	Nos.	4				
5.0	Emergency lighting Units						
5.1	With Ni-Cd battery, Charger and 2 LED lamps	Nos.	20				
6.0	24V Supply module & lamp unit complete with all accessories						
6.1	Fixed type 24V supply modules	Nos.	30				
7.0	5A, 24V SOCKET & LAMP (Lamp excluded)	Nos.	143				
8.0	EXIT SIGN	Nos.	110				
9.0	Occupancy Sensor	Nos.	55				
10.0	Lighting Dimmer System	Nos.	1				

Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL PRICE	GST %age	Remarks
	MAIN SUPPLY ITEMS						
11.0	FLEXIBLE CONDUITS						
11.1	20 mm dia TERNE coated conduit	mtrs.	25,000				
12.0	GI wire & Flat						
12.1	14 SWG Wire	mtrs.	5,40,000				
12.2	25 X 3 MM GI FLAT	mtrs.	6,000				
12.3	50 X 6 MM GI FLAT	mtrs.	3,000				
13.0	MS ROD						
13.1	20 MM DIA MS ROD	Nos.	700				
14.0	Hume pipe						
14.1	Hume pipe 100 mm dia	mtrs.	550				
15.0	LIGHTING DISTRIBUTION BOARD (LDB)						
15.1	AC LDB TYPE-H (O/G 18)-WITH TWO INCOMER						
15.1.1	AC LDB TYPE-H (O/G 18) without transformer (including cubicle suitable for 2 no. 100 kVA transformer)	Nos.	4				
15.1.2	100kVA transformer for AC LDB TYPE-H(O/G 18) - Normal Non-encapsulated type	Nos.	8				
15.2	AC LDB TYPE-H(O/G 12)-WITH TWO INCOMER						
15.2.1	AC LDB TYPE-H(O/G 12) without transformer (including cubicle suitable for 2 nos. 100 kVA transformer)	Nos.	24				
15.2.2	100kVA transformer for AC LDB TYPE-H(O/G 12) - Normal Non- encapsulated type	Nos.	48				
15.3	AC LDB TYPE-H(O/G 8)-WITH TWO INCOMER						
15.3.1	AC LDB TYPE-H(O/G 8) without transformer (including cubicle suitable for 2 no. 50 kVA transformer)	Nos.	3				
15.3.2	50kVA transformer for AC LDB TYPE-H(O/G 8) - Normal Non- encapsulated type	Nos.	6				
15.4	AC WDB TYPE -H (12)						
15.4.1	AC WDB TYPE -H (12) without transformer (including cubicle suitable for 1 no. 100 kVA transformer)	Nos.	10				
15.4.2	100kVA transformer for AC WDB TYPE -H (12) - Normal Non- encapsulated type	Nos.	10				
15.5	AC WDB TYPE -F (O/G 8)						
15.5.1	AC WDB TYPE -F (O/G 8) without transformer (including cubicle suitable for 1 no. 50 kVA transformer)	Nos.	2				
15.5.2	50kVA transformer for AC WDB TYPE -F (O/G 8) - Normal Non- encapsulated type	Nos.	2				
15.6	DC LDB TYPE-D (12)	Nos.	6				
16.0	LIGHTING PANELS (LP)						
16.1	LIGHTING PANEL (DECORATIVE) TYPE-A (18)	Nos.	7				
16.2	LIGHTING PANEL INDOOR TYPE-LP-A (18) WITH TIME SWITCH	Nos.	31				
16.3	LIGHTING PANEL OUTDOOR TYPE-LP-A (18) WITH TIME SWITCH	Nos.	47				
16.4	LIGHTING PANEL (DECORATIVE) TYPE-A (12)	Nos.	8				

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		TECHNICAL SPECIFICATION STATION LIGHTING SYSTEM 2 X 800 MW NTPC LARA STPS STAGE - II				PE-TS-508-558-E001		
						Issue No: 01		
						Rev. No. 00		
UNPRICED SCHEDULE (E&C SPARES)								
Item No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL PRICE	Freight %age in terms of Total Ex-Works price	GST %age	Remarks
	MAIN SUPPLY ITEMS							
1.0	Lighting Luminaires (complete with accessories)							
1.1	Luminaire Type LED FC06 (LED)	Nos.	147					
1.2	Luminaire Type LED FC07 (LED) - DC	Nos.	24					
1.3	Luminaire Type LED FC30 (LED)	Nos.	37					
1.4	Luminaire Type LED FC33 (LED) - DC	Nos.	14					
1.5	Luminaire Type LED FC34 (LED) - DC	Nos.	36					
1.6	Luminaire Type LED FC81 (LED)	Nos.	21					
1.7	Luminaire Type LED SB11 (LED)	Nos.	8					
1.8	Luminaire Type LED SB02 (LED)	Nos.	30					
1.9	Luminaire Type LED SB03 (LED)	Nos.	11					
1.10	Luminaire Type LED SF63 (LED)	Nos.	9					
1.11	Luminaire Type LED SF64 (LED)	Nos.	4					
1.12	Luminaire Type LED SS62 (LED)	Nos.	38					
1.13	Luminaire Type LED SS63 (LED)	Nos.	27					
1.14	Luminaire Type LED SW41 (LED)	Nos.	445					
1.15	Luminaire Type LED SW42 (LED)	Nos.	114					
1.16	Luminaire Type LED MW96 (LED)	Nos.	7					
1.17	LUMINAIRE TYPE DOWNLIGHTER 15-18W(LED)	Nos.	22					
1.18	LUMINAIRE DIMABLE DOWNLIGHTER 15-18W(LED)	Nos.	2					
1.19	Cove Light - LED (5m Strip)	Nos.	4					
2.0	Switch boxes for individual control of circuits (Switchboards consisting of switch boxes, switches, switch plates and fixing accessories.)							
2.1	SWITCH BOXES TYPE SWB1	Nos.	3					
2.2	SWITCH BOXES TYPE SWB2	Nos.	5					
2.3	SWITCH BOXES TYPE SWB3	Nos.	1					
2.4	SWITCH BOXES TYPE SWB4	Nos.	1					
3.0	Junction boxes							
3.1	JUNCTION BOXES TYPE JB-F	Nos.	964					
3.2	JUNCTION BOXES TYPE JB-FE	Nos.	21					
4.0	Receptacles							
4.1	RECEPTACLES TYPE RA	Nos.	32					
4.3	RECEPTACLES TYPE RB	Nos.	11					
4.4	RECEPTACLES TYPE RC	Nos.	19					
5.0	Lighting Driver (complete with accessories)							
5.1	Luminaire Type LED FC06 (LED)	Nos.	10					
5.2	Luminaire Type LED FC07 (LED) - DC	Nos.	10					
5.3	Luminaire Type LED FC30 (LED)	Nos.	10					
5.4	Luminaire Type LED FC33 (LED) - DC	Nos.	10					
5.5	Luminaire Type LED FC34 (LED) - DC	Nos.	10					
5.6	Luminaire Type LED FC81 (LED)	Nos.	10					
5.7	Luminaire Type LED SB11 (LED)	Nos.	10					
5.8	Luminaire Type LED SB02 (LED)	Nos.	10					
5.9	Luminaire Type LED SB03 (LED)	Nos.	10					
5.10	Luminaire Type LED SF63 (LED)	Nos.	10					
5.11	Luminaire Type LED SF64 (LED)	Nos.	10					
5.12	Luminaire Type LED SS62 (LED)	Nos.	10					
5.13	Luminaire Type LED SS63 (LED)	Nos.	10					
5.14	Luminaire Type LED SW41 (LED)	Nos.	10					
5.15	Luminaire Type LED SW42 (LED)	Nos.	10					
5.16	Luminaire Type LED MW96 (LED)	Nos.	10					
5.17	LUMINAIRE TYPE DOWNLIGHTER 15-18W(LED)	Nos.	10					
5.18	LUMINAIRE DIMABLE DOWNLIGHTER 15-18W(LED)	Nos.	10					

NOTES:								
1	Unit price of main supply item and E&C spares shall be same wherever applicable.							
2	E&C spares shall be released in consultation with site during erection and commissioning.							