

Annexure- 1 (a) :BOQ CUM PRICE SCHEDULE FOR MAIN ITEMS (SUPPLY)

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE (Rs.)	TOTAL EX- WORKS PRICE (Rs.)	Excise Duty @...% (for self manufactured items only) (INR)	CST @% Against C- form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT (including service tax, if any) @% of total ex- works price	TOTAL F.O.R SITE PRICE (INR)
1.0	Lighting Distribution Board (LDB)								
1.1	AC LDB Type LDB-H (12)								
1.1.1	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 2 nos. 100 kVA transformer)	Nos.	22						
1.1.2	100kVA transformer for housing in 1.1.1	Nos.	22						
1.3	DCLDB Type LDB-D (12)	Nos.	4						
1.3	AC WDB Type WDB-H (12)								
1.3.1	AC WDB Type WDB-H (12) without transformer (including cubicles suitable for 2 nos. 100 kVA transformer)	Nos.	3						
1.3.2	100kVA transformer for housing in 1.4.1	Nos.	3						
2.0	Lighting Panels (LP)								
2.1	AC Normal /Emergency indoor Type LP – A (6) [with timer]	Nos.	6						
2.2	AC Normal (Decorative) Type LP – A (6)	Nos.	2						
2.3	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	28						
2.4	AC Normal /Emergency outdoor Type LP – A (12) [with timer]	Nos.	14						
2.5	AC Normal (Decorative) Type LP – A (12)	Nos.	20						
2.6	AC Normal /Emergency indoor Type LP – A (18) [with timer]	Nos.	20						
2.7	AC Normal /Emergency outdoor Type LP – A (18) [with timer]	Nos.	22						
2.8	DC indoor Type LP – D (6)	Nos.	11						
2.9	DC outdoor Type LP – D (6)	Nos.	4						
2.10	Street Lighting Type LP – S (6)	Nos.	8						
2.11	LP Outdoor type (LP-E24) with 3KVA TRF	Nos.	2						
3.0	Lighting Luminaires (complete with accessories)								
3.1	Luminaire Type FC02 (*)	Nos.	150						
3.2	Luminaire Type FC06 (*)	Nos.	1000						
3.3	Luminaire Type FC26 (*)	Nos.	700						
3.4	Luminaire Type FC81 (*)	Nos.	160						
3.5	Luminaire Type FC32 (*)	Nos.	300						
3.6	Luminaire Type FC07 (*)	Nos.	175						
3.7	Luminaire Type FC33 (*)	Nos.	125						
3.8	Luminaire Type FC34 (*)	Nos.	200						
3.9	Luminaire Type SF63 (*)	Nos.	60						
3.10	Luminaire Type SF64 (*)	Nos.	7						
3.11	Luminaire Type SF66 (*)	Nos.	60						
3.12	Luminaire Type SB11 (*)	Nos.	120						
3.13	Luminaire Type SB02 (*)	Nos.	250						
3.14	Luminaire Type SB03 (*)	Nos.	80						
3.15	Luminaire Type SS61 (*)	Nos.	50						
3.16	Luminaire Type SS62 (*)	Nos.	400						
3.17	Luminaire Type SS63 (*)	Nos.	100						
3.18	Luminaire Type SW41 (*)	Nos.	4800						
3.19	Luminaire Type SW42 (*)	Nos.	450						
3.20	Luminaire Type MW96 (*)	Nos.	400						
3.21	Luminaire Type FC30 (*)	Nos.	800						
3.22	Luminaire Type CC01 (*)	Nos.	10						
3.23	Luminaire Type CC02 (*)	Nos.	10						
3.24	Dichroic spot light fixture (For Halogen lamp)	Nos.	10						
4.0	Lighting Lamp								
4.1	28W T5 fluorescent tube	Nos.	4620						
4.2	70W HPSV lamp (SON-E)	Nos.	4800						
4.3	150W HPSV lamp (SON-E)	Nos.	570						
4.4	150W HPSV lamp (SON-T)	Nos.	400						
4.5	250W HPSV lamp (SON-E)	Nos.	410						
4.6	400W HPSV lamp (SON-E)	Nos.	207						
4.7	125W HPMV lamp	Nos.	400						
4.8	12V, 50W Dichroic lamp	Nos.	10						
4.9	14W T5 Fluorescent tube	Nos.	3200						
4.10	18W CFL	Nos.	520						
4.11	36W CFL	Nos.	20						
4.12	70W HPSV lamp (SON-T)	Nos.	10						
4.13	250W HPSV lamp (SON-T)	Nos.	10						

Chul Bhanger
(15/10/15)

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX-WORKS PRICE (Rs.)	TOTAL EX-WORKS PRICE (Rs.)	Excise Duty @...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT (including service tax, if any) @% of total ex-works price	TOTAL F.O.R SITE PRICE (INR)
5.0	Switch Boxes								
5.1	Type SWB1	Nos.	250						
5.2	Type SWB2	Nos.	110						
5.3	Type SWB3	Nos.	45						
6.0	Junction boxes								
6.1	Type JB-F	Nos.	8000						
6.2	Type JB-FE	Nos.	160						
6.3	Type JB-S	Nos.	250						
7.0	Receptacles								
7.1	Type RA	Nos.	350						
7.2	Type RA (Flame proof)	Nos.	22						
7.3	Type RB	Nos.	350						
7.4	Type RC	Nos.	60						
7.5	Type RC (Flame proof)	Nos.	2						
7.6	Type RD	Nos.	2						
8.0	Ceiling fans with electronic regulators								
8.1	1200 mm sweep	Nos.	40						
8.2	1400 mm sweep	Nos.	40						
9.0	Emergency lighting Units								
9.1	With Ni-Cd battery and 2 X 10W fluorescent lamp	Nos.	20						
10.0	Poles								
10.1	Type PS1	Nos.	200						
10.2	Type PS2	Nos.	120						
10.3	Type PS4	Nos.	20						
10.4	Type PF1	Nos.	2						
10.5	Type PF2	Nos.	20						
11.0	Wires								
11.1	1x2.5 mm ² Cu PVC	mtrs.	3,50,000						
11.2	1x 4 mm ² Cu PVC	mtrs.	50,000						
12.0	GI wire, GI flat & MS rod								
12.1	16 SWG GI wire	mtrs.	2,20,000						
12.2	35X8 mm GI flat	mtrs.	1,000						
12.3	50X6mm GI flat	mtrs.	1,000						
12.4	40mm dia MS rod	mtrs.	2,000						
13.0	Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)								
13.1	20 mm dia GI conduit, 1.6 mm thick	mtrs.	1,10,000						
13.2	25 mm dia GI conduit, 1.6 mm thick	mtrs.	20,000						
13.3	40 mm dia GI conduit, 2 mm thick	mtrs.	7,000						
13.4	50 mm dia GI conduit, 2 mm thick	mtrs.	1,000						
13.5	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	mtrs.	1,100						
14.0	Flexible PVC coated conduit								
14.1	20 mm dia PVC coated conduit	mtrs.	12000						
15.0	Structural steel	MT	50						
16.0	Hume pipe								
16.1	Hume pipe 100 mm dia	mtrs.	500						
17.0	24V supply module & lamp unit complete with all accessories								
17.1	Fixed type 24V supply modules	Nos.	10						
17.2	Portable type 24V supply modules	Nos.	4						
17.3	Portable halogen lamp unit	Nos.	10						
17.4	5A, 24V industrial type sockets	Nos.	40						
18	HIGH MAST	Nos.	10						
19.0	Ladder								
19.1	Free standing ladder	Nos.	4						
19.2	Wheel mounted ladder	Nos.	1						
20	EXIT SIGN	Nos.	15						

Lakul Bhargava
15/10/15

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX-WORKS PRICE (Rs.)	TOTAL EX-WORKS PRICE (Rs.)	Excise Duty @...% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT (including service tax, if any) @% of total ex-works price	TOTAL F.O.R SITE PRICE (INR)
21.0	Padestal Fan	Nos.	10						
	Total (Supply)								
	Total (Mandatory Spares) (Break-up annexure I(b))								
	Total (E&C) (Break-up annexure I(c))								
	Total (Supply + Mandatory Spares + E&C)								

- All Fluorescent fixtures shall have energy efficient lamp (T5) and electronic ballast.
- The unit rates of supply and installation quoted by the bidder shall be firm for a variation of quantities limited to:
a) $\pm 30\%$ of total order value corresponding to BOQ of Main equipment supply as above till finalization of engineering details & BOQ.
- Basic Design Documents' cover: Drawings/ documents schedule, technical data sheets, GA dwgs. of equipments, quality plan, type test reports for Station Lighting System.
- Design engineering charges are considered to be included in main equipment supply price. No separate charges shall be applicable.
- Items shall be cleared for manufacturing and supply in stages on the basis of engineering information to be furnished by the vendor, who is responsible for engineering of the Lighting system.
- Each transformer shall be routine tested and one transformer shall be type tested in accordance with relevant standard. Bidder to include charges for the same. No separate charges are to be quoted by the bidder.

Sahul Bhargava
(15/10/15)

ANNEXURE - 1 (c) : BOQ CUM PRICE SCHEDULE FOR ERECTION & COMMISSIONING

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE (Rs.)	TOTAL EX- WORKS PRICE (Rs.)	Service Tax @....%	Total Price
1.0	Lighting Distribution Board (LDB)						
1.1	AC LDB Type LDB-H (12)						
1.1.1	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 2 nos. 100 kVA transformer)	Nos.	22				
1.1.2	100kVA transformer for housing in 1.1.1	Nos.	22				
1.2	DCLDB Type LDB-D (12)	Nos.	4				
1.3	AC WDB Type WDB-H (12)						
1.3.1	AC WDB Type WDB-H (12) without transformer (including cubicles suitable for 2 nos. 100 kVA transformer)	Nos.	3				
1.3.2	100kVA transformer for housing in 1.4.1	Nos.	3				
2.0	Lighting Panels (LP)						
2.1	AC Normal /Emergency indoor Type LP – A (6) [with timer]	Nos.	6				
2.2	AC Normal (Decorative) Type LP – A (6)	Nos.	2				
2.3	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	28				
2.4	AC Normal /Emergency outdoor Type LP – A (12) [with timer]	Nos.	14				
2.5	AC Normal (Decorative) Type LP – A (12)	Nos.	20				
2.6	AC Normal /Emergency indoor Type LP – A (18) [with timer]	Nos.	20				
2.7	AC Normal /Emergency outdoor Type LP – A (18) [with timer]	Nos.	22				
2.8	DC indoor Type LP – D (6)	Nos.	11				
2.9	DC outdoor Type LP – D (6)	Nos.	4				
2.10	Street Lighting Type LP – S (6)	Nos.	8				
2.11	LP Outdoor type (LP-E24) with 3KVA TRF	Nos.	2				
3.0	Lighting Luminaires (complete with accessories)						
3.1	Luminaire Type FC02 (*)	Nos.	150				
3.2	Luminaire Type FC06 (*)	Nos.	1000				
3.3	Luminaire Type FC26 (*)	Nos.	700				
3.4	Luminaire Type FC81 (*)	Nos.	160				
3.5	Luminaire Type FC32 (*)	Nos.	300				
3.6	Luminaire Type FC07 (*)	Nos.	175				
3.7	Luminaire Type FC33 (*)	Nos.	125				
3.8	Luminaire Type FC34 (*)	Nos.	200				
3.9	Luminaire Type SF63 (*)	Nos.	60				
3.10	Luminaire Type SF64 (*)	Nos.	7				
3.11	Luminaire Type SF66 (*)	Nos.	60				
3.12	Luminaire Type SB11 (*)	Nos.	120				
3.13	Luminaire Type SB02 (*)	Nos.	250				
3.14	Luminaire Type SB03 (*)	Nos.	80				
3.15	Luminaire Type SS61 (*)	Nos.	50				
3.16	Luminaire Type SS62 (*)	Nos.	400				
3.17	Luminaire Type SS63 (*)	Nos.	100				
3.18	Luminaire Type SW41 (*)	Nos.	4800				
3.19	Luminaire Type SW42 (*)	Nos.	450				
3.20	Luminaire Type MW96 (*)	Nos.	400				
3.21	Luminaire Type FC30 (*)	Nos.	800				
3.22	Luminaire Type CC01 (*)	Nos.	10				
3.23	Luminaire Type CC02 (*)	Nos.	10				
3.24	Dichroic spot light fixture (For Halogen lamp)	Nos.	10				
5.0	Switch Boxes						
5.1	Type SWB1	Nos.	250				
5.2	Type SWB2	Nos.	110				
5.3	Type SWB3	Nos.	45				
6.0	Junction boxes						
6.1	Type JB-F	Nos.	8000				
6.2	Type JB-FE	Nos.	160				

Abdul Wahid
15/10/15

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE (Rs.)	TOTAL EX- WORKS PRICE (Rs.)	Service Tax @....%	Total Price
6.3	Type JB-S	Nos.	250				
7.0	Receptacles						
7.1	Type RA	Nos.	350				
7.2	Type RA (Flame proof)	Nos.	22				
7.3	Type RB	Nos.	350				
7.4	Type RC	Nos.	60				
7.5	Type RC (Flame proof)	Nos.	2				
7.6	Type RD	Nos.	2				
8.0	Ceiling fans with electronic regulators						
8.1	1200 mm sweep	Nos.	40				
8.2	1400 mm sweep	Nos.	40				
9.0	Emergency lighting Units						
9.1	With Ni-Cd battery and 2 X 10W fluorescent lamp	Nos.	20				
10.0	Poles						
10.1	Type PS1	Nos.	200				
10.2	Type PS2	Nos.	120				
10.3	Type PS4	Nos.	20				
10.4	Type PF1	Nos.	2				
10.5	Type PF2	Nos.	20				
11.0	Wires						
11.1	1x2.5 mm ² Cu PVC	mtrs.	5,56,000				
11.2	1x 4 mm ² Cu PVC	mtrs.	50,000				
12.0	GI wire, Glat & MS rod						
12.1	16 SWG GI wire	mtrs.	2,20,000				
12.2	35X6 mm GI flat	mtrs.	1,000				
12.3	50X6mm GI flat	mtrs.	1,000				
12.4	40mm dia MS rod	mtrs.	2,000				
13.0	Hot dip Galvanised Rigid Steel Conduits (Heavy Duty)						
13.1	20 mm dia GI conduit, 1.6 mm thick	mtrs.	1,10,000				
13.2	25 mm dia GI conduit, 1.6 mm thick	mtrs.	20,000				
13.3	40 mm dia GI conduit, 2 mm thick	mtrs.	7,000				
13.4	50 mm dia GI conduit, 2 mm thick	mtrs.	1,000				
13.5	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	mtrs.	2,000				
14.0	Flexible PVC coated conduit						
14.1	20 mm dia PVC coated conduit	mtrs.	12000				
15.0	Hume pipe						
15.1	Hume pipe 100 mm dia	mtrs.	500				
16.0	24V supply module & lamp unit complete with all accessories						
16.1	Fixed type 24V supply modules	Nos.	10				
16.2	5A, 24V industrial type sockets	Nos.	40				
17	HIGH MAST	Nos.	10				
18	EXIT SIGN	Nos.	15				
19.0	Laying & termination of cables						
19.1	Armoured cables to be laid on tray						
	a) 3.5C X 95 mm ² Al	mtrs.	5000				
	b) 3.5C X 50 mm ² Al	mtrs.	4000				
	c) 3.5C X 25 mm ² Al	mtrs.	2000				
	d) 3C X 2.5 mm ² Al	mtrs.	2000				

Sahul Bhatnagar
(15/10/15)

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE (Rs.)	TOTAL EX- WORKS PRICE (Rs.)	Service Tax @....%	Total Price
	e) 2C X 25 mm ² Al	mtrs.	3000				
19.2	Armoured cables to be buried underground						
	a) 3.5C X 95 mm ² Al	mtrs.	2000				
	b) 3.5C X 50 mm ² Al	mtrs.	2000				
	c) 3.5C X 25 mm ² Al	mtrs.	1000				
	d) 2C X 25 mm ² Al	mtrs.	1000				
	Total (E&C)						

- 1 The unit rates of supply and installation quoted by the bidder shall be firm for a variation of quantities limited to:
a) $\pm 30\%$ of total order value corresponding to BOQ of Main equipment supply as above till finalization of engineering details & BOQ.
- 2 All measuring and testing instruments required during erection, testing, commissioning and performance testing shall be arranged by the bidder and taken back.
- 3 Design engineering charges are considered to be included in main equipment supply price. No separate charges shall be applicable.
- 4 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 fasteners, ball & sockets, earth clips, fan boxes, clamps, screws, pull out boxes 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 E & C accordingly for equipment and fittings.
- 5 Fabrication & painting charges of structural steel shall be part of erection charges of those equipment for which the same is being used.
- 6 Cost of E&C for lighting fixture shall be inclusive of cost of lamp installation.

Lakshmi Bhatnagar
(15/10/15)

1 X 800 MW WANAKBORI TPP (Station Lighting) Enq No. PE/PGWAN/E-5065/2015 dtd 15.10.15

ANNEXURE - 1 (b) : BOQ CUM PRICE SCHEDULE FOR MANDATORY SPARES (SUPPLY)

SL. NO.	ITEM DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE (Rs.)	TOTAL EX- WORKS PRICE (Rs.)	Excise Duty @.....% (for self manufactured items only) (INR)	CST @% Against C-form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT (including service tax, if any) @% of total ex- works price	TOTAL F.O.R SITE PRICE (INR)
1	Complux Lamp	nos.	40						
2	High Pressure Mercury Vapour Lamp 125W	nos.	20						
3	High Pressure Sodium Vapour Lamp 70W	nos.	150						
4	High Pressure Sodium Vapour Lamp 150W	nos.	40						
5	High Pressure Sodium Vapour Lamp 250W	nos.	40						
6	High Pressure Sodium Vapour Lamp 400W	nos.	40						
7	Ignitors (Separate type) for High Pressure Sodium Vapour Lamp	nos.	200						
8	Ballast for 1 x 125 W High Pressure Sodium Vapour Lamp	nos.	30						
9	Ballast for 1 x 70 W High Pressure Sodium Vapour Lamp	nos.	150						
10	Ballast for 1 x 150 W High Pressure Sodium Vapour Lamp	nos.	100						
11	Ballast for 1 x 250 W High Pressure Sodium Vapour Lamp	nos.	50						
12	Capacitor for 1 x 125 W High Pressure Sodium Vapour Lamp	nos.	50						
13	Capacitor for 1 x 70 W High Pressure Sodium Vapour Lamp	nos.	80						
14	Capacitor for 1 x 150 W High Pressure Sodium Vapour Lamp	nos.	80						
15	Capacitor for 1 x 250 W High Pressure Sodium Vapour Lamp	nos.	80						
16	Capacitor for 1 x 400 W High Pressure Sodium Vapour Lamp	nos.	80						
17	Fluorescent Lamp 2 X 28W (T5)	nos.	20						
18	Ballast for Fluorescent Lamp 2 X 28W (T5)	nos.	50						
19	Clockswitch type Time Switch	nos.	40						
20	Miniature Circuit Breakers (M.C. Bs)								
20.1	1-Pole 20 Amps.	nos.	40						
20.2	2-Pole 20 Amps.	nos.	20						
20.3	2-Pole 16 Amps.	nos.	20						
21	Receptacles								
21.1	5Amp	nos.	20						
21.2	15Amp	nos.	20						
21.3	63Amp	nos.	20						
	Total (Mandatory Spares)								

NOTE :

Prices quoted for mandatory spares as above will be considered for bid evaluation purpose.

Shubh Chaturvedi
15/10/15