

SI No.	Package Name	Total Price to be filled
1	Package C: Erection, testing, pre-commissioning and handing over of Illumination (Station Lighting) System, all lighting equipment's as per Technical conditions of contract (TCC) and all other materials including handling at storage yard/ stores, transportation to work site, calibration, pre-assembly as required for completion of Unit#1 & 2 of 2x660 MW NTPC Talcher Project	

BOQ CUM RATE SCHEDULE FOR ILLUMINATION PACKAGE OF 2X660 MW NTPC TALCHER PROJECT U#1 and U#2

ILLUMINATION PACKAGE OF 2X660 MW NTPC TALCHER PROJECT UNIT # 1&2						
Sl.No	DESCRIPTION	UOM	Qty	Unit Rate	Total	Weightage
E5J	PLANT ILLUMINATION PACKAGE (LIGHTING SYSTEM)					
E5J.1	LIGHTING DISTRIBUTION BOARD (LDB)					
E5J.1.01	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 1 No 100kVA transformer)	Nos.	20	₹ 0.00	₹ 0.00	0.0043438164
E5J.1.02	100kVA transformer for housing in E5J.1.01 above. Normal encapsulated type.	Nos.	20	₹ 0.00	₹ 0.00	0.0020393215
E5J.1.03	AC LDB Type LDB-H (12) without transformer (including cubicles suitable for 2 No 100kVA transformer)	Nos.	6	₹ 0.00	₹ 0.00	0.0013031449
E5J.1.04	100kVA transformer for housing in E5J.1.03 above. Normal encapsulated type.	Nos.	12	₹ 0.00	₹ 0.00	0.0012235929
E5J.1.05	DCLDB Type LDB-D (12)	Nos.	6	₹ 0.00	₹ 0.00	0.0007837912
E5J.1.06	AC WDB Type WDB-H (12) without transformer (including cubicles suitable for 1 No 100kVA transformer)	Nos.	8	₹ 0.00	₹ 0.00	0.0017087835
E5J.1.07	100kVA transformer for housing in E5J.1.06 above.	Nos.	8	₹ 0.00	₹ 0.00	0.0009748536
E5J.1.08	AC LDB Type LDB-F (8) without transformer (including cubicles suitable for 2 No 50kVA transformer)	Nos.	5	₹ 0.00	₹ 0.00	0.0009974143
E5J.1.09	50kVA transformer for housing in E5J.1.08 above.	Nos.	10	₹ 0.00	₹ 0.00	0.0010122764
E5J.2	LIGHTING PANELS (LP)					
E5J.2.01	AC Normal /Emergency indoor Type LP – A (12) [with timer]	Nos.	53	₹ 0.00	₹ 0.00	0.0023747565
E5J.2.02	AC Normal /Emergency outdoor Type LP – A (12) [with timer]	Nos.	76	₹ 0.00	₹ 0.00	0.0037425882
E5J.2.03	AC Normal (Decorative) Type LP – A (12)	Nos.	35	₹ 0.00	₹ 0.00	0.0017234470
E5J.2.04	AC Normal /Emergency indoor Type LP – A (18)) [with timer]	Nos.	47	₹ 0.00	₹ 0.00	0.0027043889
E5J.2.05	AC Normal /Emergency outdoor Type LP – A (18) [with timer]	Nos.	20	₹ 0.00	₹ 0.00	0.0011153076
E5J.2.06	Street Lighting Type LP – S (6)	Nos.	17	₹ 0.00	₹ 0.00	0.0006759032
E5J.2.07	DC indoor Type LP – D (12)	Nos.	32	₹ 0.00	₹ 0.00	0.0012840977
E5J.2.08	DC outdoor Type LP – D (12)	Nos.	17	₹ 0.00	₹ 0.00	0.0006859620
E5J.3	LIGHTING LUMINAIRES (COMPLETE WITH ACCESSORIES)					
E5J.3.01	Luminaire Type FC06	Nos.	4773	₹ 0.00	₹ 0.00	0.0422878599
E5J.3.02	Luminaire Type FC07-DC	Nos.	552	₹ 0.00	₹ 0.00	0.0046262493
E5J.3.03	Luminaire Type FC30	Nos.	2033	₹ 0.00	₹ 0.00	0.0170188675
E5J.3.04	Luminaire Type FC33-DC	Nos.	133	₹ 0.00	₹ 0.00	0.0011146721
E5J.3.05	Luminaire Type FC34-DC	Nos.	518	₹ 0.00	₹ 0.00	0.0043036565
E5J.3.06	Luminaire Type FC81	Nos.	492	₹ 0.00	₹ 0.00	0.0041134939
E5J.3.07	Luminaire Type SF63	Nos.	129	₹ 0.00	₹ 0.00	0.0016176641
E5J.3.08	Luminaire Type SF66	Nos.	32	₹ 0.00	₹ 0.00	0.0004818677
E5J.3.09	Luminaire Type SB02	Nos.	839	₹ 0.00	₹ 0.00	0.0098806252
E5J.3.10	Luminaire Type SB03	Nos.	220	₹ 0.00	₹ 0.00	0.0029802914
E5J.3.11	Luminaire Type SB11	Nos.	316	₹ 0.00	₹ 0.00	0.0037843650
E5J.3.12	Luminaire Type SS62	Nos.	1054	₹ 0.00	₹ 0.00	0.0102920372
E5J.3.13	Luminaire Type SS63	Nos.	385	₹ 0.00	₹ 0.00	0.0037594354
E5J.3.14	Luminaire Type SW41	Nos.	7050	₹ 0.00	₹ 0.00	0.0610309707
E5J.3.15	Luminaire Type SW42	Nos.	2902	₹ 0.00	₹ 0.00	0.0272038958
E5J.3.16	Luminaire Type MW96	Nos.	320	₹ 0.00	₹ 0.00	0.0034237841
E5J.3.17	Luminaire Dimmable Downlighter (15-18W)	Nos.	28	₹ 0.00	₹ 0.00	0.0002726489
E5J.3.18	Luminaire Type Downlighter (15-18W)	Nos.	630	₹ 0.00	₹ 0.00	0.0061346001
E5J.3.19	Cove Light- LED (5m strip)	Nos.	530	₹ 0.00	₹ 0.00	0.0051608541
E5J.4	SWITCH BOXES					
E5J.4.01	Type SWB1 Decorative	Nos.	84	₹ 0.00	₹ 0.00	0.0005450576
E5J.4.02	Type SWB2 Decorative	Nos.	170	₹ 0.00	₹ 0.00	0.0011157464
E5J.4.03	Type SWB3 Decorative	Nos.	15	₹ 0.00	₹ 0.00	0.0001070675
E5J.4.04	Type SWB4 Decorative	Nos.	117	₹ 0.00	₹ 0.00	0.0010953161
E5J.4.05	Type SWB5 Decorative	Nos.	5	₹ 0.00	₹ 0.00	0.0000468102
E5J.5	JUNCTION BOXES					
E5J.5.01	Type JB-F	Nos.	21031	₹ 0.00	₹ 0.00	0.1051535174
E5J.5.02	Type JB-FE	Nos.	557	₹ 0.00	₹ 0.00	0.0029078920
E5J.6	RECEPTACLES					
E5J.6.01	Type RA	Nos.	583	₹ 0.00	₹ 0.00	0.0039942990
E5J.6.02	Type RA (Flame proof)	Nos.	2	₹ 0.00	₹ 0.00	0.0000148749
E5J.6.03	Type RB	Nos.	805	₹ 0.00	₹ 0.00	0.0062540622
E5J.6.04	Type RC	Nos.	336	₹ 0.00	₹ 0.00	0.0041627433
E5J.6.05	Type RC (Flame proof)	Nos.	2	₹ 0.00	₹ 0.00	0.0000324744
E5J.6.06	Type RD	Nos.	2	₹ 0.00	₹ 0.00	0.0000401441
E5J.7	FANS WITH ELECTRONIC REGULATORS					
E5J.7.01	1200 mm sweep	Nos.	20	₹ 0.00	₹ 0.00	0.0001507550
E5J.7.02	Pedestal Fans	Nos.	10	₹ 0.00	₹ 0.00	0.0000734349
E5J.8	EMERGENCY LIGHTING UNITS INSTALLATION					
E5J.8.01	With Ni-Cd battery and 2x9W fluorescent lamp	Nos.	50	₹ 0.00	₹ 0.00	0.0004447952
E5J.9	POLES INSTALLATION INCLUDING ALL ACCESSORIES. (SWAGED, STEEL TUBULAR, GALVANIZED)					
E5J.9.01	Octagonal Pole Type PS1 (9m) Including price of foundation bolt)	Nos.	237	₹ 0.00	₹ 0.00	0.0222360537
E5J.9.02	Octagonal Pole Type PS2 (11m) Including price of foundation bolt)	Nos.	327	₹ 0.00	₹ 0.00	0.0321285148
E5J.9.03	Octagonal Pole Type PF1 (9m) Including price of foundation bolt)	Nos.	64	₹ 0.00	₹ 0.00	0.0064689415
E5J.9.04	Fabrication of J-Poles	Nos.	10	₹ 0.00	₹ 0.00	0.0000698404

BOQ CUM RATE SCHEDULE FOR ILLUMINATION PACKAGE OF 2X660 MW NTPC TALCHER PROJECT U#1 and U#2

Sl.No	DESCRIPTION	UOM	Qty	Unit Rate	Total	Weightage
E5J.10	WIRES (LAYING & TERMINATION)					
E5J.10.01	1x1.5sqmm Cu PVC	Meter	1031200	₹ 0.00	₹ 0.00	0.0295272400
E5J.10.02	1x4sqmm Cu PVC	Meter	112800	₹ 0.00	₹ 0.00	0.0088766984
E5J.11	HOT DIP GALVANISED RIGID STEEL CONDUITS (HEAVY DUTY)					
E5J.11.01	20 mm dia GI conduit, 1.6 mm thick	Meter	334357	₹ 0.00	₹ 0.00	0.4082620727
E5J.11.02	25 mm dia GI conduit, 1.6 mm thick	Meter	41390	₹ 0.00	₹ 0.00	0.0546763619
E5J.11.03	40 mm dia GI conduit, 2 mm thick	Meter	18000	₹ 0.00	₹ 0.00	0.0279848684
E5J.11.04	20 mm dia GI conduit with epoxy coating, 1.6 mm thick	Meter	5690	₹ 0.00	₹ 0.00	0.0081906272
E5J.12	24V SUPPLY MODULE & LAMP UNIT COMPLETE WITH ALL ACCESSORIES					
E5J.12.01	Fixed type 24V supply modules	Nos.	78	₹ 0.00	₹ 0.00	0.0006713092
E5J.12.02	Portable type 24V supply modules	Nos.	11	₹ 0.00	₹ 0.00	0.0000680415
E5J.12.03	Portable halogen lamp unit	Nos.	11	₹ 0.00	₹ 0.00	0.0000505992
E5J.12.04	5A, 24V industrial type sockets	Nos.	178	₹ 0.00	₹ 0.00	0.0009897659
E5J.12.05	Exit Sign	Nos.	139	₹ 0.00	₹ 0.00	0.0020681637
E5J.12.06	Occupancy Sensor	Nos.	100	₹ 0.00	₹ 0.00	0.0002739666
E5J.12.07	Lighting Dimmer System	Nos.	1	₹ 0.00	₹ 0.00	0.0001201704
E5J.13	Structure Steel Fabrication & Installation (MS Angle,Channel,Plate Etc)	MT	42	₹ 0.00	₹ 0.00	0.0099163719
E5J.14	LAYING & TERMINATION OF CABLES					
E5J.14.01	3.5Cx95sqmm Al	Meter	4000	₹ 0.00	₹ 0.00	0.0032585119
E5J.14.02	3.5Cx50sqmm Al	Meter	15000	₹ 0.00	₹ 0.00	0.0093715646
E5J.14.03	3Cx2.5sqmm Cu	Meter	500	₹ 0.00	₹ 0.00	0.0001070662
E5J.14.04	2Cx95sqmm Al	Meter	1500	₹ 0.00	₹ 0.00	0.0007026756
E5J.15	ABOVE GROUNG EARTHING & LIGHTNING PROTECTION MATERIALS					
E5J.15.01	14SWG GI wire	Meter	18300	₹ 0.00	₹ 0.00	0.0008798465
E5J.15.02	50x6mm GI flat	Meter	660	₹ 0.00	₹ 0.00	0.0006849839
E5J.15.03	25x3mm GI flat	Meter	1110	₹ 0.00	₹ 0.00	0.0008972150
E5J.15.04	40mm dia MS Rod of 3 Meter length each	Nos.	100	₹ 0.00	₹ 0.00	0.0018933860
E5J.16	HUME PIPE					
E5J.16.01	Hume pipe 100 mm dia	Meter	1000	₹ 0.00	₹ 0.00	0.0023292870
E5J.17	LAYING & TERMINATION OF CABLES (ARMOURED CABLES TO BE BURIED UNDERGROUND)					
E5J.17.01	3.5Cx25sqmm Al	Meter	500	₹ 0.00	₹ 0.00	0.0008316102
E5J.17.02	3.5Cx50sqmm Al	Meter	500	₹ 0.00	₹ 0.00	0.0009504661
E5J.17.03	3.5Cx95sqmm Al	Meter	500	₹ 0.00	₹ 0.00	0.0010693221
E5J.18	Ladder					
E5J.18.01	Free standing adjustable from 5M to 10M aluminium ladder	Nos.	2	₹ 0.00	₹ 0.00	0.0001000855
E5J.18.02	Step ladder (0.5M to 1.5M)	Nos.	2	₹ 0.00	₹ 0.00	0.0000240971
Total for ILLUMINATION PACKAGE Talcher Unit # 1 & 2					₹ 0.00	1.0000000000