



सत्यमेव जयते



GOVERNMENT COLLEGE OF ENGINEERING AND CERAMIC TECHNOLOGY

Established 1941

Accredited by NAAC with Grade A

(2015)

73, Abinash Chandra Banerjee Lane

Kolkata-700010

West Bengal, India

E-mail: gcctwb@gmail.com

Bills for the purchase of equipment's for the facilities created

GOVERNMENT OF WEST BENGAL
Govt. College of Engineering & Ceramic Technology

73, Abinash Chandra Banerjee Lane, Kolkata - 700 010

Phone / FAX - (033) 2370 1264

E-mail: gcctwb@gmail.com, website: www.gcct.ac.in

No. GCECT/251 /1-D(141)/17-18

Date- 29.05.17


Supply, Installation, Commissioning and Handover Certificate

Customer / Buyer name	Govt. College of Engineering and Ceramic Technology
Customer / Buyer address & contact no.	73, Abhinash Chandra Banerjee Lane, Kolkata-700 010
Purchase order / LOA no. & date	1) GCECT/75 1-D(141) 16-17 dated 06.02.17 2) GCECT/76 1-D(141) 16-17 dated 06.02.17 3) GCECT/101 1-D(141) 16-17 dated 14.02.17
Project / Product description	7KWP Grid Tied Solar Roof Top Power Plant
Quantity (Nos / Sets)	01 No. Set
Purchase order / LOA value (Rs)	1) Rs. 1,04,276 - 2) Rs. 1,22,000 - 3) Rs. 4,45,680 -
Contractor / Seller name	RMB Power Projects Pvt. Ltd.
Contractor / Seller address & contact no.	RMB House, Udayan Industrial Estate, 3 Pagladanga Road, Kolkata - 700015 Tel : +91-33-2323 0091 92

This is to certify that M/s RMB Power Projects Pvt. Ltd. has successfully supplied, installed, commissioned and handed over the above mentioned project s in timely manner to us. The quality of workmanship is appreciable. The system/s are performing satisfactorily as on date without any break.

Thanking you,

Yours sincerely


(Signature of authorised signatory of customer / buyer)

Name : DAYANTA KUMAR CHAUDHURY

Designation : REGISTRAR

Official seal :

Registrar
Govt. College of Engineering
& Ceramic Technology
Govt. of West Bengal
Kolkata-700015

ANNUAL MAINTENANCE ESTIMATE

File Estimate No.06/KCEG/Estt. 2021-22

Name of Annual Maintenance Estimate of the Electrical Installation of Govt. College of Engineering & Ceramic Technology For the Work: year 2021 - 2022.

Report : This estimate has been prepared to metthe probable expenditure of the captioned work. The item wise rates are based on PWD scheduled rates. Accordingly this estimate is being palced before the Authority concern for obtaining necessary Approval and allotment of fund. So that the day to day operation, maintenance, some repair and replacement works may be carried out smoothly throughtout the year.

Sl. No.	Description of Work	Qty.	Rate (₹)	Unit	Amount (₹)
1	Incandescent light point (Non-Residential)	0	₹ 65.00	Each	₹ 0.00
2	Do-(Residential)		₹ 25.00	Each	₹ 0.00
3	Fan Point (Ceiling/Cabin/Exhaust fan) including repairing	542	₹ 163.00	Each	₹ 88,346.00
4	Do-(Vacant)	40	₹ 26.00	Each	₹ 1,040.00
5	Pedestal Fan & Air Circulator fan	30	₹ 179.00	Each	₹ 5,370.00
6	Wall bracket Fan	33	₹ 160.00	Each	₹ 5,280.00
7	Exhaust Fan	28	₹ 165.00	Each	₹ 4,620.00
8	Twin Fluo Light fitting point	520	₹ 185.00	Each	₹ 96,200.00
9	Single Fluo Light fitting point	365	₹ 111.00	Each	₹ 40,515.00
10	Buzzer/Call Bell Point	35	₹ 36.00	Each	₹ 1,260.00
11	Call Bell with indicator	4	₹ 76.00	Each	₹ 304.00
12	5A, 3/5 pin Plug Point	65	₹ 13.00	Each	₹ 845.00
13	15A, 3 pin Plug Point	110	₹ 22.00	Each	₹ 2,420.00
14	Computer Plug Point 5A-3 Nos, 15A-1 No, Fuse-1 No, Indicator-1 No.	130	₹ 34.00	Set	₹ 4,420.00
15	LED lamp				₹ 0.00
	a. 15 Watt	0	₹ 125.00	Each	₹ 0.00
	b.10 Watt	0	₹ 85.00	Each	₹ 0.00
	c. Squire type 10 Watt & 20 Watt	110	₹ 125.00	Each	₹ 13,750.00
	d. Down lighter 20 Watt	0	₹ 125.00	Each	₹ 0.00
	e. 3.5 Watt	0	₹ 65.00	Each	₹ 0.00
	f. 6 Watt	0	₹ 65.00	Each	₹ 0.00
	g. 2Watt	0	₹ 65.00	Each	₹ 0.00
	h. Spot Light	0	₹ 65.00	Each	₹ 0.00
	i. Linear Fitting	20	₹ 125.00	Each	₹ 2,500.00
16	LED Strip 3 Mtr & 5 Mtrs. Length	0	₹ 3,000.00	Each	₹ 0.00
17	16-21A, 6 Pin Modular Plug Point	5	₹ 60.00	Each	₹ 300.00
18	6A Modular Switch	90	₹ 50.00	Each	₹ 4,500.00
19	16A Modular Switch	40	₹ 55.00	Each	₹ 2,200.00
20	16A Modular Fan regulator	250	₹ 76.00	Each	₹ 19,000.00
21	OLP20/30 Electronic AC starter	93	₹ 500.00	Each	₹ 46,500.00
22	SON/H.P.S.V/H.P.M.V light fitting point				₹ 0.00
	(a) 70 Watt/80 Watt	0	₹ 647.00	Each	₹ 0.00
	(b) 150 Watt/125 Watt	22	₹ 672.00	Each	₹ 14,784.00
	(c) 250 Watt	3	₹ 756.00	Each	₹ 2,268.00
	(d) 400 Watt	12	₹ 853.00	Each	₹ 10,236.00
23	Metal Halide/Sport Light Flood Fitting				₹ 0.00
	(a) 70 Watt	0	₹ 1,002.00	Each	₹ 0.00
	(b) 150 Watt	0	₹ 1,108.00	Each	₹ 0.00
	(c) 250 Watt	0	₹ 1,366.00	Each	₹ 0.00
	(d) 400 Watt	0	₹ 1,450.00	Each	₹ 0.00
25	150 W Post top Decorative Fitting.	2	₹ 1,400.00	Each	₹ 2,800.00
26	Garden Light fitting point	24	₹ 111.00	Each	₹ 2,664.00
27	Modular Light fitting with 4/6 Nos. 2 ft fluo	0	₹ 723.00	Each	₹ 0.00
28	Decorative light fitting (Bracket type/Ceiling type)	12	₹ 83.00	Each	₹ 996.00
29	Glow Sign Board/Sq. ft.				
	(a) LED Type		₹ 200.00	Sq/ft	₹ 0.00

No.	Description of Work	Qty.	Rate (₹)	Unit	Amount (₹)
30	(b) Fluoro Lamp/PL Type Water Cooler (Upto 150 Ltr)	60	₹ 22.00	Sq/ft	₹ 1,320.00
31	Water Heater (Geysér)		₹ 1,000.00	Sq/ft	₹ 0.00
	a. 25 ltrs				
	b. 35 ltrs	0	₹ 1,000.00	Each	₹ 0.00
32	Air Conditione (1.5 Tr to 3 Tr)	0	₹ 1,200.00	Each	₹ 0.00
	(a) Window type				
	(b) Split type	4	₹ 3,600.00	Each	₹ 14,400.00
33	Central AC Plant	101	₹ 2,400.00	Each	₹ 242,400.00
	(a) Upto 10 Tr. Ductable				
	(b) Above 10 Tr. To 20 Tr.	0	₹ 48,000.00	Each	₹ 0.00
	(c) Above 20 Tr. To 40 Tr.				
34	Ductable Split AC 11 Tr Complete System	0	₹ 25,000.00	Each	₹ 0.00
35	Submersible/Centrifugal Pump-Motor Set	12	₹ 35,000.00	Each	₹ 0.00
	(a) Upto 5 HP		₹ 25,000.00	Each	₹ 300,000.00
	(b) Above 5 HP to 10 HP	0			₹ 0.00
36	L.T. Panel Board	0	₹ 3,900.00	Each	₹ 0.00
	(a) 32A TPNIC, Busbar & Outgoing Switches		₹ 4,550.00	Each	₹ 0.00
	(b) 63 A - Do - Do -	0	₹ 1,200.00	Each	₹ 0.00
	(c) 100A - Do - -Do -	1	₹ 1,500.00	Each	₹ 1,500.00
	(d) 200A - Do - -Do -	0	₹ 2,500.00	Each	₹ 0.00
	(e) 250A - Do - -Do -	1	₹ 4,000.00	Each	₹ 4,000.00
	(f) 315 A - Do - -Do -	3	₹ 4,000.00	Each	₹ 12,000.00
	(h) 400A, ACB/OCB/MCCB with Busbar & Outgoing Switches	1	₹ 4,500.00	Each	₹ 4,500.00
	(h) 800 A - Do - -Do -	2	₹ 6,000.00	Each	₹ 12,000.00
37	Goods/Passenger Lift/Hospital Lift (Fully Automatic)	0	₹ 9,000.00	Each	₹ 0.00
38	St Pole	1	₹ 16,500.00	Each	₹ 16,500.00
	(a) Upto 8.5 Mtrs.				₹ 0.00
	(b) Upto 9.0 Mtrs.	11	₹ 125.00	Each	₹ 1,375.00
39	L.T./H.T. Cable	3	₹ 140.00	Each	₹ 420.00
40	Pillar box with all accessories 14000 x 900 x 600 mm	13000	₹ 3.00	Mtr	₹ 39,000.00
41	Plumbing Line	2	₹ 597.00	set	₹ 1,194.00
	(a) Upto 4" Dia Pipe				₹ 0.00
	(b) Above 4" Dia Pipe	0	₹ 5.00	Mtr	₹ 0.00
42	Substation HT Switch Gear equipment with	0	₹ 6.50	Mtr	₹ 0.00
	(a) Single upto 160 KVA Transformar				₹ 0.00
	(b) Single above 160 to 315 KVA Transformar	0	₹ 5,000.00	Set	₹ 0.00
	(c) Twin 150 KVA Transformar	1	₹ 8,000.00	Set	₹ 8,000.00
	(d) Single above 315 to 500 KVA Transformar	0	₹ 5,000.00	Set	₹ 0.00
	(e) Single above 500 to 750 KVA Transformar	0	₹ 10,000.00	Set	₹ 0.00
43	250V PBDB/VPBDB with Control Switch	0	₹ 13,000.00	Set	₹ 0.00
	(a) 15 A per way				₹ 0.00
44	500V PBDB/VPBDB with Control Switch		₹ 100.00	Set	₹ 0.00
	(a) 4 - Way				₹ 0.00
	(b) 6 - Way	9	₹ 176.00	Set	₹ 1,584.00
	(c) 8-Way	36	₹ 225.00	Set	₹ 8,100.00
	(d) 15 A per way	3	₹ 324.00	Set	₹ 972.00
	(c) 30 A per way	0	₹ 150.00	Set	₹ 0.00
45	250V, SPNBDB with Control Switch	0	₹ 225.00	Set	₹ 0.00
	(a) (2+4) to upto (2+8) Way				₹ 0.00
	(b) Upto (2+12) Way	0	₹ 100.00	Set	₹ 0.00
46	PL Compact Light fittings(Non-Retrofit)	64	₹ 150.00	Set	₹ 9,600.00
	(a) PL-S7/9/11 Watt	0	₹ 113.00	Each	₹ 0.00

No.	Description of Work	Qty.	Rate (₹)	Unit	Amount (₹)
	(b) PL-C10/13/18/26 Watt	50	₹ 180.00	Each	₹ 9,000.00
	(c) PL-L18/24/36/40 Watt		₹ 262.00	Each	₹ 0.00
47	ML-N Light fittings		₹ 271.00	Each	₹ 0.00
48	CFL Light Fittings(Retrofit)				₹ 0.00
	(a) Saver-5/9/11/15/20/23 Watt	0	₹ 281.00	Each	₹ 0.00
	(b) Décor-15/20 Watt	0	₹ 332.00	Each	₹ 0.00
49	Sound system	0	₹ 20,000.00	Set	₹ 0.00
50	Projector	0	₹ 35,000.00	Set	₹ 0.00
51	Serveliance System	0	₹ 30,000.00	Set	₹ 0.00
52	Fire Detection System With Controll Panel, Transponder, Sencer, etc complete System	0	₹ 20,000.00	Set	₹ 0.00
53	fire extinguisher (5 Kg)	0	₹ 430.00	set	₹ 0.00
			TOTAL=	Rs.	₹ 1,060,983.00
	Deduction cost of Labour @ 60% of above			(-) Rs.	₹ 636,589.80
	Part-A: Cost of Maintenance Materials:-			Rs.	₹ 424,393.20

Annual Maintenance Contracts

1	Annual Maintenance of E.I. including operation of DG Set (inclu. Supply of diesel oil).	1	₹ 405,600.00	Each	₹ 405,600.00
2	Annual Maintenance of A.C. Machine	1	₹ 337,200.00	Job	₹ 337,200.00
3	Annual Maintenance & Operation of Lift	1	₹ 300,100.00	Job	₹ 300,100.00
4	Annual Maintenance of Disel Generator Set	1	₹ 68,532.00	Job	₹ 68,532.00
	Part-B:		SUB TOTAL=	Rs.	₹ 1,111,432.00

Special Repairing Works

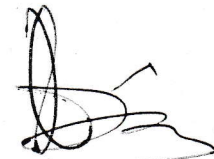
1	Special repairing of EI & Air-Conditioning Systems.	1	₹ 50,000.00	Job	₹ 50,000.00
	Part-C:		SUB TOTAL=	Rs.	₹ 50,000.00


Part-A=	₹ 424,393.20
Part-B=	₹ 1,111,432.00
Part-C=	₹ 50,000.00

(Part-A+Part-B+Part-C)=	₹ 1,585,825.20
Add CGST @ 6% of Part C	₹ 3,000.00
Add CGST @ 6% of Part C	₹ 3,000.00
Total	₹ 1,591,825.20
Add: Labour Welfare Cess 1% of Total Amount	₹ 15,918.25
Add Contingency@ 3% of Total Amount	₹ 47,754.76
Total	₹ 1,655,498.21
Say	₹ 1,655,498.00

Rupees Sixteen Lac Fifty Five Thousand Four Hundred Ninety Eight Only.

Suraint panna
29-06-2021
Junior Engineer-II, PWD
Kolkata Central Electrical Sub-Division-II
Estimate No:- 03/JE-II/KCESD-II/2021-'22


Assistant Engineer, PWD
Kolkata Central Electrical Sub-Division-II
Estimate No: A/KCESD-II/2021-'22


Executive Engineer
Kolkata Central Electrical Division
PWD
05/07/21