

Work :- Electrical estimate for BRYC under Good Shed development policy. (Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.)

S.N o.	Description	Qty.	Unit	Rate - LAR / Price List / ROR									Average Rate	Cash	Store	Total
				Rate 1	Updated Rate 1	L A R 1	Rate 2	Updated Rate 2	L A R 2	Rate 3	Updated Rate 3	L A R 3				
1	Supply and recessing/fixing of PVC conduit pipe with accessories, junction box etc. including making chase, plastering/clamping etc.as per technical specifications. PVC conduit pipe conforming to IS 6946- 1978, 25mm dia(Medium) conforming to IS: 9537 Part-III, 1987 (Latest version).(Item no.1(b)(i) of CEE/NR/SOR)	560	Mtrs.	27.51	25.53	19/SrDEE/ G/MB/20, dt. 14.08.20	29.15	25.07	14/SrDEE/ G/MB/20, dt. 07.08.20	27.51	26.33	10/SrDEE/ G/MB/20, dt. 06.07.20	25.64	14358.40	0.00	14358.40
2	Supply of PVC insulated multi stranded copper conductor single core cable conforming to IS:694(latest version), and drawing in laid (recessed/surface) MS/PVC conduit pipe for wiring of point wiring/circuit wiring/sub main/Main as required as per technical specification including conections, testing and commissioning. (a) 0.75 sq.mm.	700	Mtrs.	5.55	5.15	19/SrDEE/ G/MB/20, dt. 14.08.20	5.70	4.90	14/SrDEE/ G/MB/20, dt. 07.08.20	5.55	5.31	10/SrDEE/ G/MB/20, dt. 06.07.20	5.12	3584.00	0.00	3584.00
3	(b) 1.5 sq.mm.	840	Mtrs.	11.43	10.61	19/SrDEE/ G/MB/20, dt. 14.08.20	11.86	10.20	14/SrDEE/ G/MB/20, dt. 07.08.20	11.43	10.94	10/SrDEE/ G/MB/20, dt. 06.07.20	10.58	8887.20	0.00	8887.20
4	(c) 2.5 sq.mm.	700	Mtrs.	15.29	14.19	19/SrDEE/ G/MB/20, dt. 14.08.20	15.89	13.67	14/SrDEE/ G/MB/20, dt. 07.08.20	15.29	14.64	10/SrDEE/ G/MB/20, dt. 06.07.20	14.16	9912.00	0.00	9912.00
5	(d) 4.0 sq. mm.	1120	Mtrs.	23.49	21.80	19/SrDEE/ G/MB/20, dt. 14.08.20	24.37	20.96	14/SrDEE/ G/MB/20, dt. 07.08.20	23.49	22.48	10/SrDEE/ G/MB/20, dt. 06.07.20	21.75	24360.00	0.00	24360.00
6	6.0 sq.mm.	560	Mtrs.	31.86	27.40	14/SrDEE/ G/MB/20, dt. 07.08.20	32.59	32.29	23/SrDEE/ G/MB/19, dt. 13.11.19	32.10	31.80	04/SrDEE/ G/MB/19(Ind cat), dt. 05.11.19	30.50	17080.00	0.00	17080.00
7	Supply, fixing, testing commissioning of MS switch boxes of the following size made out of 16 SWG MS sheet duly painted / coated with red oxide primer with egg white hylem sheet 3 mm. thick as per tech. specification, ISS / IE Rules and site requirement Hylem sheet shall be painted with red oxide primer. MS Boxes. (NOTE :- The MS boxes shall be with earthing bolts and sheet shall be fixed with 04 Nos. machine screws and washers etc.)	18	Nos.	46.34	43.00	19/SrDEE/ G/MB/20, dt. 14.08.20	48.52	41.73	14/SrDEE/ G/MB/20, dt. 07.08.20	46.34	44.36	10/SrDEE/ G/MB/20, dt. 06.07.20	43.03	774.54	0.00	774.54
8	Supply, fixing, testing commissioning of MS switch boxes of the following size made out of 16 SWG MS sheet duly painted / coated with red oxide primer with egg white hylem sheet 3 mm. thick as per tech. specification, ISS / IE Rules and site requirement Hylem sheet shall be painted with red oxide primer. MS Boxes. (NOTE :- The MS boxes shall be with earthing bolts and sheet shall be fixed with 04 Nos. machine screws and washers etc.)	8	Nos.	115.56	107.24	19/SrDEE/ G/MB/20, dt. 14.08.20	121.16	104.20	14/SrDEE/ G/MB/20, dt. 07.08.20	115.56	110.61	10/SrDEE/ G/MB/20, dt. 06.07.20	107.35	858.80	0.00	858.80

Signature
Verified

Digitally signed by ANJUSINGH X 100 X 60 mm. deep
Date: 2022.02.01
14:13:02 +05'30
Reason: IIRPS-CRIS
Location: New Delhi

Work :- Electrical estimate for BRYC under Good Shed development policy. (Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.)

9	Supply of Piano type switch as per IS:4979-1968(latest version)/Bell push as per IS:4794(Part-2)-1986(latest version)/Flush type socket outlet as per IS:1293-1988(latest version) & installation on the recessed switch box including cutting of phenolic laminated sheet, connection, testing & commissioning as per technical specifications. (a) Piano type switch 5A(1-way)	42	Nos.	13.97	12.96	19/SrDEE/ G/MB/20, dt. 14.08.20	14.71	12.65	14/SrDEE/ G/MB/20, dt. 07.08.20	13.97	13.37	10/SrDEE/ G/MB/20, dt. 06.07.20	13.00	546.00	0.00	546.00
10	(b) Piano type switch 15A(1-way)	25	Nos.	41.40	38.42	19/SrDEE/ G/MB/20, dt. 14.08.20	42.29	36.37	14/SrDEE/ G/MB/20, dt. 07.08.20	41.40	39.63	10/SrDEE/ G/MB/20, dt. 06.07.20	38.14	953.50	0.00	953.50
11	(c) Plug socket outlet 5pin 5A	25	Nos.	16.30	15.13	19/SrDEE/ G/MB/20, dt. 14.08.20	17.03	14.65	14/SrDEE/ G/MB/20, dt. 07.08.20	16.30	15.60	10/SrDEE/ G/MB/20, dt. 06.07.20	15.12	378.00	0.00	378.00
12	(d) Plug socket outlet 6pin 5/15A	25	Nos.	41.40	38.42	19/SrDEE/ G/MB/20, dt. 14.08.20	42.29	36.37	14/SrDEE/ G/MB/20, dt. 07.08.20	41.40	39.63	10/SrDEE/ G/MB/20, dt. 06.07.20	38.14	953.50	0.00	953.50
13	Supply of Batten/Angle Holder/Ceiling Rose & installation with 3 mm.thick on white phenolic laminated sheet on Junction Box/fan Box etc. of laid conduit including connection, testing & commissioning as per relevant IS and Tech. Specification and as per site requirement.	90	Nos.	12.94	12.01	19/SrDEE/ G/MB/20, dt. 14.08.20	13.32	11.46	14/SrDEE/ G/MB/20, dt. 07.08.20	12.94	12.39	10/SrDEE/ G/MB/20, dt. 06.07.20	11.95	1075.50	0.00	1075.50
14	Supply & fixing of complete 18-20 watt LED tube light fitting 1200 mm Integrated with Aluminium Extrusion Base with LED & Driver, decorative pin type lens caps & copper contacts with Diffuser made of transparent polycarbonate with tube light, operating voltage single phase 230 volt AC, 50 Hz conforming to CEE/NR specification No. -CEE/NR/121-Elect/PS/2018(Rev. 3) ,dated. 28.06.2018 and PCEE/NR/121-Elect/PS/2019 (Rev-4), dated 04.11.2019 or Latest.	50	Nos.	385.45	357.70	19/SrDEE/ G/MB/20, dt. 14.08.20	403.55	347.05	14/SrDEE/ G/MB/20, dt. 07.08.20	385.45	368.95	10/SrDEE/ G/MB/20, dt. 06.07.20	357.90	17895.00	0.00	17895.00
15	Supply, erection, fixing, testing & commissioning of 1200/1400 mm sweep Energy efficient Ceiling fan with fan regulator etc. complete in all respects per site requirement.(5 Star Rating)	18	Nos.	1519.20	1409.82	19/SrDEE/ G/MB/20, dt. 14.08.20	1568.53	1348.94	14/SrDEE/ G/MB/20, dt. 07.08.20	1519.20	1454.18	10/SrDEE/ G/MB/20, dt. 06.07.20	1404.31	25277.58	0.00	25277.58

Work :- Electrical estimate for BRYC under Good Shed development policy. {Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.}

16	Supply, erection, fixing, testing & commissioning of Fresh air Fan size 12" 220 V.A.C. 50 Hz, ISI marked to be approved by SrDEE /MB complete in all respect as per tech. specification / site requirement.	10	Nos.	1183.70	1157.89	20/SrDEE/ G/MB/202 0, dt. 04.08.202 0	1188.50	1241.10	16/SrDEE/ G/MB/201 9 (lind Call), dt. 11.02.202 0	1193.70	1148.72	26/SrDEE/ G/MB/201 9, dt. 24.01.202 0	1182.57	11825.70	0.00	11825.70
17	Supply, fixing, testing & commissioning of Main TPN Distribution Board Double Door ,4 way complete with MCCB 63/100 Amps.(4 pole, 35 KA) 1 No. and MCB SP 6-32 Amps of 10 KA 12 Nos. complete in all respect & as per IS technical specification & site requirement.	3	Nos.	8222.06	8558.07	19/SrDEE/ G/MB/20, dt. 14.08.20	9577.58	8236.72	14/SrDEE/ G/MB/20, dt. 07.08.20	9222.06	8827.36	10/SrDEE/ G/MB/20, dt. 06.07.20	8540.72	25622.16	0.00	25622.16
18	Design & Manufacture, Supply, Installation, fixing, testing & commissioning of 8 way MCB Distribution Board , dust & vermin proof, 3 phase, 4 wire 415 volt, AC supply system. The switch board shall be complete with inter connections, instrument connections with copper conductor cable as per IS 13032, Phosphatised & Painted with epoxy polyester based powder paints. Three phase Double Door Sheet steel Enclosure detachable gland plates, flush/surface mounting for MCB's fitted with Busbars, Earth bars & Nutral links etc. of suitable capacity, comprising of following ie. Double door 8 way Distubtion Board 1 No, 1x 40 A.MCB DP 10 KA, 240/415 V., 50 Hz & 6x16-32 A.MCB SP 10 KA, 240/415 V., 50 Hz complete in all respect as per site requirement/IE Rule & tech. specification.	5	Nos.	3081.54	2859.67	19/SrDEE/ G/MB/20, dt. 14.08.20	3237.04	2783.85	14/SrDEE/ G/MB/20, dt. 07.08.20	3081.54	2949.65	10/SrDEE/ G/MB/20, dt. 06.07.20	2864.39	14321.95	0.00	14321.95
19	Earthing with 40mm dia. GI pipe class 'B', 3 meter long, earth electrode as per IS:3043 (latest version) to achieve earth resistances less than 5 ohms including construction of masonry enclosures with masonry enclosures with hinged cover plate of cast iron/RCC(Heavy duty with lifting arrangement) with locking arrangement as required (out hole size: 450x450 mm and Cover plate (CI/RCC) size: 300x300 mm on top, provision of earth plate, connections from earth electrode to switch gear/pole as per tech. specification / IE Rule..	5	Jobs	823.28	682.50	16/SrDEE/ G/MB/20, dt. 24.08.20	773.30	717.82	19/SrDEE/ G/MB/20, dt. 14.08.20	823.28	708.02	14/SrDEE/ G/MB/20, dt. 07.08.20	702.71	3513.55	0.00	3513.55

Work :- Electrical estimate for BRYC under Good Shed development policy. (Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.)

20	Design, Fabrication, Supply, Fixing and commissioning of Feeder Piller (Size- 0.4 m.x0.4 m.x0.5 m.) made of Angle Iron size - 40x40x6 mm covered from all sides with MS Sheet 20 SWG including door with hinge, locking arrangement, nut & bolts, Aluminium Bus Bar (Size- 35x5x400 mm.), Bakelite Gutka, cable glands, Earthing points, Cemen, sand, interconnections etc. and painting with two coats of enamel gray paint over a coat of red oxide primer for antirust complete in all respect & as per site requirement.	6	Nos.	2821.46	2618.31	19/SrDEE/ G/MB/20, dt. 14.08.20	3048.16	2621.42	14/SrDEE/ G/MB/20, dt. 07.08.20	2821.46	2700.70	10/SrDEE/ G/MB/20, dt. 06.07.20	2646.81	15880.86	0.00	15880.86
21	Supply, laying, testing & Commissioning of LT U/G cable PVC Insulated 1100 Volt grade armoured aluminium conductor cable in the trench 0.8 Mtrs.															
22	4 Core X 35 Sqmm	600	Mtrs.	137.43	127.54	19/SrDEE/ G/MB/20, dt. 14.08.20	137.43	131.55	10/SrDEE/ G/MB/20, dt. 06.07.20	137.43	133.31	08/SrDEE/ G/MB/20, dt. 06.07.20	130.80	78480.00	0.00	78480.00
23	4 Core X 120 Sqmm	800	Mtrs.	381.15	400.21	15/SrDEE/ G/MB/202 0, dt. 25.08.202 0	381.15	369.72	12/SrDEE/ G/MB/20, dt. 06.07.20	403.55	391.44	11/SrDEE/ G/MB/20, dt. 07.07.20	387.12	309696.00	0.00	309696.00
24	Provision, supply and laying by Horizontal Boring Trench less method 2.5 meter deep as per relevant IS suitable for laying HDPE Pipe of 140 mm inner dia and 160 mm outer dia. & shall be in conformity to IS 1255 /1983 (Latest Version). Excavation shall be done complying with code of safety as per IS 3764/1992 and as per site requirement. (Supply of HDPE pipe as per IS:4984-1995 (latest version) included).	150	Mtrs.	691.52	670.77	12/SrDEE/ G/MB/20, dt. 08.07.20	691.52	670.77	11/SrDEE/ G/MB/20, dt. 07.07.20	691.52	661.92	10/SrDEE/ G/MB/20, dt. 06.07.20	667.82	100173.00	0.00	100173.00

Work :- Electrical estimate for BRYC under Good Shed development policy. {Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.}

25	Design & manufacture LT switch board as per IS 8623/IEC 60439, Supply, installation, fixing, testing & commissioning of cubicle, floor /wall mounted type, dust & vermin proof LT Switch Board, 3 phase, 4 wire 415 volt, AC supply system. The LT Switch Board shall be powder coated. The switch board shall be complete with inter connections, instrument connections with copper conductor cable, copper busbar & front operated switchgears, Volt meter on each Incoming Panel, Ampere meter Digital with Selector switch on each I/C & O/G panels, Indication lights (lamp set.) earthing studs etc comprising of following ie. MCCB 200 Amps-1 No., 100 Amps-02 Nos., COS 100 Amps-01 No. complete in all respect:- (3 ways-1 No. I/C & 2 Nos. O/G.)	3	Job	51260.80	49681.75	29/SrD EE/G/M B/19, dt. 12.02.2 0	45768.57	49836.97	16/SrD EE/G/M B/2019 (IInd Call), dt. 11.02.2 020	45768.57	44252.94	26/SrD EE/G/M B/2019 dt. 24.01.2 020	47923.89	143771.67	0.00	143771.67
26	PLASTIC BODY DESERT COOLER SB-2003 POWERFUL AIR FLOW:1750 CUBIC METER/hr (PEAK) 1200 CUBIC METER /hr (AVERAGE) LARGE COOLING CAPACITY: 200 SQ. FT. AUTO WATER LEVEL CONTROLLER HUMIDITY CONTROL VALVE WATER TANK CAPACITY: 32 LITRES DIMENSIONS L x B x H (IN MM): 560 X 500 X 410 MAKE BAJAJ, USHA, SYMPHANY Make - Bajaj	1	Nos.	7740.00	6910.71	P.O.No.: 9620544 7100489 dated 01- MAY-20							6910.71	6910.71	0.00	6910.71

Work :- Electrical estimate for BRYC under Good Shed development policy. {Provision of (electrification) lighting, water coolers, air coolers and fan arrangements for merchant room, CGS office, canteen, labor shed. The associated maintenance for 10 years.}

27	Self contained drinking water cooler with non CFC refrigerant R-134a, with automatic thermostat, with manual temperature selection, with PUF insulation of minimum 50 MM thickness on all sides of water tank including top floor, with suitable energy efficient compressor of Tecumseh make model: AWS-4515/YGE, with cooling capacity 150 Ltrs/Hr and storage capacity 150 Ltrs, with maximum energy consumption of 1550 watts, with 02 Nos. water taps of chrome plated heavy brass for water dispensing on the front side, with all inlet & outlet fittings of brass, with outer cabinet 0.8 MM SS-304 grade stainless steel sheet (with hairline PC) and inner chamber 0.8 MM food grade SS-304 stainless steel sheet, with copper tube condenser and evaporator coils, with base frame of cooler body made of SS Angle 202 grade 32x32x3 MM, with 4 legs of 6 inches square pipe of 1.5 inches side of	1	Nos.	33500.00	29910.71	P.O.No.: 8620544 7100489 dated 01-MAY-20				29910.71	29910.71	0.00	29910.71
28										Total	867000.33	0.00	867000.33
29	GST @ 12%										104040.04	0.00	104040.04
30										Total	971040	0.00	971040
31	Load Enhancement Charges for 15 Kwatt										100000	0.00	100000
32	Maintenance Charges @10% for 10 years										97104	0.00	97104
33	Approximate Charges for Temporary Electric connection.										30000	0.00	30000
34										Grand Total	1198144	0.00	1198144

Je/Elect/HQ/MB

ON LEAVE

ADEE/G/MB

Sr.DEE/G/MB