

WEST BENGAL MEDICAL SERVICES CORPORATION LTD.

(Wholly Owned by the Government of West Bengal)

CIN: U85110WB2008SGC126373

Regd. Off. : Swasthya Sathi, GN-29, Sector-V, Salt Lake, Kolkata-700091

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Memo No.: WBMSC/AAES- 727/4189

Date: 24/11/2017

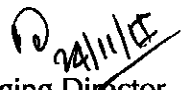
ORDER

Administrative Approval & Expenditure Sanction is hereby accorded for 'Electrical work relating to Construction of new plant cum manifold room for Medical Gas Pipe Line System (MGPS) at Mathabhanga SDH, district Cooch Behar' at an estimated cost of Rs. 2,58,313.00 (Rupees Two Lakh Fifty Eight Thousand Three Hundred and Thirteen) only against fund allotment No: 1518(Sanction)/HF/P/P&B/MS/W-55/2017 Dated 23/11/2017

The details are as follows:

SI No	Schemes	Amount (Rs)
1	Electrical work relating to Construction of new plant cum manifold room for Medical Gas Pipe Line System(MGPS) at Mathabhanga SDH, district Cooch Behar	2,52,013.00
2	Contingency @ 2.5%	6,300.00
Total		2,58,313.00

The work will be executed by the Executive Engineer, P.W.D, Cooch Behar Electrical Division & Ex-Officio Executive Engineer, West Bengal Medical Services Corporation Limited, as per norms stated in the order of the Health & Family Welfare Dept. M.S. Branch, vide No. HF/O/MS/384/W-39-12 dt. 01.06.2012 read with Notification No. 86-W(C)-1M-106/11 dt. 06.02.2012 and Memorandum no 37-W(C)-1M-106/11 dated 17.01.2012 of Public Works Department, Government of West Bengal.


Managing Director
Date: 24/11/2017

Memo No: WBMSC/AAES-727/4189/1(10)

Copy forwarded for information and necessary action to:

1. Joint Secretary, M.S. Branch, Dept. of Health & Family Welfare
2. CMOH, Cooch Behar
3. Superintendent, Mathabhanga SDH
4. Superintending Engineer, PWD, North Bengal Electrical Circle & Ex-Officio Superintending Engineer, West Bengal Medical Services Corporation Limited
5. Manager (Accounts), West Bengal Medical Services Corporation Limited.
6. Executive Engineer, P.W.D, Cooch Behar Electrical Division & Ex-Officio Executive Engineer, West Bengal Medical Services Corporation Limited
7. Consultant Project Engineer (Civil), West Bengal Medical Services Corporation Limited
8. Consultant Mechanical Engineer, West Bengal Medical Services Corporation Limited
9. Consultant Electrical Engineer, West Bengal Medical Services Corporation Limited
10. Office Copy.


Managing Director

ESTIMATE				
Name of Work : Electrical installation work at Proposed of new Plant cum Manifold room for Medical Gas Pipeline system in the campus of Mathabhanga S D Hospital-Hospital in the dist Cooch Behar				
Ref :- Memo No: 1562/1(3) , Dated: 28-08-2017 of the Superintendent, M.J.N.Hospital,Cooch Behar				
Report:- This estimate has been framed to meet up the probable cost of expenditure of the above noted work after site inspection. The Building will be constructed as early possible. So, Electrical work will be started at the time of construction work. The following things described below is considered in this estimate :-				
(i) INSTALLATION OF MAIN SWITCH:- Sheet steel enclosure, 415V, 160A TPN SFU is required at sub-station for supplying power to LT panel.				
(ii) INSTALLATION OF LT PANELS :- Cubical type floor mounted LT panel is considered at above building is required for 30KW supply.				
(iii) INSTALLATION OF SPNDR :- Separate SPNDR for Lighting Load is considered here				
(iv) FITTINGS AND FIXTURES :- Twin LED Tube fitting and 1200mm AC Ceiling fan is considered here.				
(v) LAYING OF PVC/A CABLE :- 01 No. 4 Core 35 sq. mm. PVC/A cable to connect south side LT Panel at Main Building of M.J.N Hospital is considered in this estimate.				
(vi) DISTRIBUTION WIRING :- Concealed Wiring With PVC Insulated & Unsheathed Single Core Stranded Copper Wire (FR Finolex/Havell's/Polycab) and Modular type Switches (Make-Lagrand (Myrus/Arteor)) are considered in this estimate.				
On the basis of the above this estimate has been framed and placed for administrative approval as well as technical sanction.				
Sl No	Description	Quantity	Rate(Rs)	Amount (Rs)
1	supplying & Fixing 415V, 160A, TPN SFU with sheet steel enclosure on flat iron/angle frame on wall with nuts bolts etc incl S&F 3 nos. DIN type HRC fuse as per rating (Make-L&T)	1 No	10352.10	10352.10
2	Supply of 415 V, 1.1KV grd 4 core 35 sq. mm PVC/A, Al Cable (PolyCab/Crystal/RRKable)	110 Mtr.	412.00	45320.00
3	Laying of one No. cable upto 35 sqmm in underground trench 460 mm wide x 760 mm average depth, with brick protection on the top of the cable with 8 (eight) Nos. bricks per metre, including filling the space between the brick & cable and also the trench with shifted soil, leveling up and restoring surface duly cammed	100 Mtr.	187.00	18700.00
4	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables as below :			0.00
	(a) 4 Core 35 sqmm	4 Nos	190.30	761.20
5	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials :			0.00
	(a) 4 core 35 sqmm cable	4 Sets	212.30	849.20
6	Supplying & fixing medium gauge 50sqmm GI Pipe (ISI-Medium) Protection with necessary fittings and jointing materials as	10 Mtr.	421.30	4213.00
7	Laying 4 core 35sqmm cable through existing 50sqmm GI Pipe	10 Mtr.	52.80	528.00
8	Supply, installation testing and commissioning of cubical type back openable compartmentalised, floor mounted indoor type, dust and vermin proof powder coated panel board for essential and non essential, suitable for 415v, 3 phase, 4 wire, 50 Hz AC supply of suitable size made out of 2mm thick MS steel as to accomodated the following mountings complete with copper bus bars of 300 AMP capacity, detachable gland plate, 75mm x 40mm x 4.8mm thick MS channel frame at the bottom, connections, inter connections with suitable size copper wire, copper bars, copper links, cable, connector etc. providing and fixing the following accessories etc. as required (all L&T make).			

Sl No	Description	Quantity	Rate(Rs)	Amount (Rs)
	In coming:- a) 160 A, TPN 415V, SDFU with HRC fuse (SK95814) - 1 no b) 500V, 300A capacity 4 bar copper bar of suitable length in two separate section with R-Y-B colour Insulated taping for indication for essential & non-essential. 1 set Outgoing:- a) 100 A, TPN, 415V, SDFU with HRC fuse - 1 Nos b) 32 A, TPN, 415V, SDFU with HRC fuse - 1 Nos. c) Danger Board (6"X4")-01 No. f) 0-500 V voltmeter with selector switch -1 set. g) Sliding fuse to be provided for voltmeter & indicating lamp set with toggle switch (Senens/ L&T) 100A capacity 4 pole connector for outgoing connection for outgoing switch. h) 160A, TPN 415V, 4 pole cubical Changeover switch - 1 no	1	Item	6516.90 6529.90
9	Supplying and fixing double-door (2+8) way SPN MCB Distribution Board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. a) Enclosure (607711)-01No, b) 6-16Amp SPMCB-8Nos, 40Amp Isolator-01No (All make- Legrand)	1	Nos	4366.00 4323.20
10	S & drawing 1.1 kv grade single core stranded 'FR' PVC insulated & unheathed single core copper wire (Havells) of following size in 25 mm/40 mm dia 3 mm thick polythene pipe by cutting channel of 43 mm x 43 mm size on masonry wall incl. S & F heavy gauge polythene pipe by means of iron hooks & S& drawing 18 SWG G.I. wire as fish wire incl. mending good damages to building			0.00
	(a) 2 x 2.5 sq. mm. +1 x 1.5 sq. mm	75	Mtr	144.75 108.40
	(b) 2 x 4 sq. mm. +1 x 2.5 sq. mm	20	Mtr	177.02 3552.40
11	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unheathed single core stranded copper wire (Finolex/Havells/Polycab) in 19 mm bore, 3 mm thick polythene pipe complete with all accessories embedded in wall to light/fan/call bell points with Modular type switch (Make- Legrand- Myrius/Arteor) fixed on Modular GI switch board with top cover plate flushed in wall incl. mending good damages to original finish 2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC. a) Average run 3 mtr	14	Pls	1200.34 12399.20
12	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unheathed single core stranded copper wire (Finolex/Polycab/Havells) in 19 mm bore, 3 mm thick polythene pipe complete with all accessories embedded in wall to 240 V 6A 5 pin plug point incl. S&F 240 V 6A 3 pin Modular type plug socket & Modular type switch (Brand approved by EIC) incl. S&F earth continuity wire, fixed on 4 Module GI switch board with 3/4 Module top cover plate flushed in wall incl. mending good damages to original finish 2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC			0.00
	a) On board	2	Pls	258.43 547.20
13	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	6	Nos	140.00 95.20
14	Supply of LED light fittings incl. 2xT-LED Essential LED tube 1290mm 18W 840 TB API complete with all accessories. Make-Philips	6	Nos	2578.00 2698.20
15	Fixing only single/twin fluorescent light fitting suspended 25 cm below the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type M5 clamp whose one side fixed on ceiling with suitable size 4 nos. fastenor and other side connected with the conduit with suitable size of bolts and nuts incl. S&F EI conduit, "L" type (125mmx125mm) 6mm thick and 25mm with M5 clamps and connecting the length of PVC insulated wire and mending good damages to original finish and painting etc. by 2x24/0.20 mm (1.5sqmm,) flexible copper wire of 1.10 mt. length.	4	Nos	231.71 237.60

SI No	Description	Quantity	Rate (Rs)	Amount (Rs)
16	Fixing only single/twin florescent light fitting complete with tube lamp Directly on wall/ceiling with suitable size MS clamp etc. as required	4 Nos	182.11	728.44
17	S&F 240 V 1200mm ceiling fan incl. all accessories, connection with 3x1.5sqmm FR copper wire etc. as per direction of EIC (Make-tisha Striker/ORIENT-SUMMER PRIDE)	6 Nos	1836.00	11016.00
18	Fixing only ceilingfan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30m incl painting the rod with approved paint and making necessary connection as required by EXI. 5sqmm flexible copper wire	6 Nos	77.20	463.20
19	Supplying & Fixing of Box Type fan clamp of 150mm dia & 80mm depth made of 16 SWG CRCA sheet with one end duly sealed by cover, properly welded, incl. S&F 12mm dia 600mm long MS rod duly bent by heat treatment at the centre position of rod to grip fan bobbin properly, incl. binding the rod and fan box with reinforcement by 12 SWG steel binding wire, incl. supplying & covering the box with alkathene sheet placed in order to prevent concrete from entering the box.	6 Nos	204.00	1224.00
20	Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Make-Logrand -Myrius/Arteor) on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	5 Nos	500.50	2502.50
21	Supplying & Fixing exhaust fan of 1420RPM, 50W, 300 mm sweep (make-EPC) with timber including S & Fixing louver shutter/cover on wall with necy. bolts & nuts after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection etc.	4 Sets	3602.00	14408.00
22	37L 250W Buzzer (Anchorign HW board incl. S&F HW board)	1 No	135.00	135.00
23	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (1) Bell Push (Make-Logrand)	1 No	135.00	135.00
24	S & LED outdoor fitting on existing GI pipe bracket (Make-Philips, Cat No: BRP409 LED CW Q34 NR PC S1 PSU GR)	3 Sets	8702.00	26106.00
25	Providing CC (6:3:1) muffing 450X450X600 for grounding GI pipe bracket complete with 3mm thick brushed	3 Sets	754.00	2262.00
26	S & F 40mm dia 2 mtr long medium class G.I. pipe bracket bended to suitable shape for mounting of outdoor fitting	3 Sets	957.00	2871.00
27	S & F 12mm dia polythin pipe including making hole in roof below the CC muffing.	6 mtr	57.00	342.00
28	Making holes on RCC ceiling 125 mm depth having dia of following sizes a) 125 mm depth, 50 mm dia	0.900 Mtr	70.00	63.00
29	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required.	1 Mtr	187.00	187.00
30	Connecting the equipments to earth busbar including S & F 4 SWG GI (Hot Dip) wire of size as below on wall/floor with staples buried inside wall/floor as required and making connection to equipments with bolts, nuts, washers, cable lugs etc. as required and mending good damages	20 Mtr	22.00	440.00

Sl No	Description	Quantity	Rate(Rs)	Amount (Rs)
31	Earthing with 50 mm dia GI pipe (ISI-M) 3.66 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 30 mm long GI bolts, double-nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level driven to an average depth of 3.65 Mts. below the ground level incl. Excavation of soil (Soft Soil) for installation of Earth Electrode and filling & ramming.	2	2312.20	4624.40
32	Cost of submission of following documents:- 1) As built drawing (4 copies) duly signed by the agency and its authorized supervisor. 2) Photograph of completed works having digital time and date stamping. 3) Test certificates as per IEE regulation & IS 732-1989 and IEC rule duly signed by the agency and authorized supervisor as mentioned for the following tests: a) Insulation resistance to earth. b) Insulation resistance between conductor. c) Polarity of single pole switch. d) Resistance of metal conduit/sheath e) earth continuity test. f) Leakage current at full connected load's g) earth resistance h) Load balancing.	1	450.00	450.00

1% labour charges Rs. 7777.77
 2% Contingency Rs. 2222.22
 Total Rs. 28000.00
 Net Rs. 28885.00

Rupees In word-(Two lac Eighty Eight thousand Eight hundred Eighty Five only)

[Signature]
 Junior Engineer(PWD)
 Cooch-Behar Electrical Section-II

[Signature]
 Assistant Engineer(PWD)
 Cooch-Behar Electrical Sub-Division

[Signature] 17/07/17
 Executive Engineer(PWD)
 Cooch-Behar Electrical Division

Adding 1/2% cess

Rs. 2,49,518 = 50

2 1/2% = 18

Rs. 2,52,013 = 6

Adding Adminis-
 trative charges
 @ 4% = 10,080 = 5
 Rs. 2,62,094 = 2

Sup Rs. 2,62,094/-

Checked:
[Signature]
 Consultant Eng. (Elect.)
 West Bengal Medical Services Corporation Ltd.