

# 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- 747/4209

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 Tamluk DH, district Purba Medinipur' at an estimated cost of Rs. 1,65,564.00 (Rupees One Lakh Sixty Five Thousand Five Hundred and Sixty Four) only against fund allotment No: 1518(Sanction)/HF/P/P&B/MS/W-55/2017 Dated 23/11/2017

The details are as follows:

Sl No	Schemes	Amount (Rs)
1	Electrical work relating to Construction of new plant cum manifold room for Medical Gas Pipe Line System(MGPS) at Tamluk DH, district Purba Medinipur	1,61,526.00
2	Contingency @ 2.5%	4,038.00
Total		1,65,564.00

The work will be executed by the Executive Engineer, P.W.D, Purba Medinipur 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-747/4209/1(10)

Copy forwarded for information and necessary action to:

1. Joint Secretary, M.S. Branch, Dept. of Health & Family Welfare
2. CMOH, Purba Medinipur
3. Superintendent, Tamluk DH
4. Superintending Engineer, PWD, South Western 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, Purba Medinipur 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

**Name of Work** :- Estimate of Electrical Installation work of Construction a new plant cum Manifold room for Medical Gas Pipeline System at Tamiluk District Hospital, Tamiluk under Purba Medinipur.

**Ref.** :- Memo. No. WBMS/PROC/1887/17/1872 Date : 12.06.2017 of the Managing Director & Secretary, Health & FW Department .

**Report** :- This Estimate has been framed to meet the probable expenditure amounting to rupees 164075.00 (One Six Four Zero Seven Five) only. As per requirement of IAS Managing Director & Secretary, Health & FW Department provision for 3ph & 1 ph power source with few fittings consider and cabilling work from nearest burn unit normal panel consider in this estimate.

Sl. No.	Description of Works	Qty.	Rate	Unit	Amounts
1	Supplying and fixing 415V, 100A TPN SFU with sheet steel enclosure on flat iron iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type 100A HRC fuse	1	7627.00 7649.20	Each	7627.00 7649.20
2	Supplying and fixing sheet steel (16SWG) cable end box on 100A TPN SFU enclosure with nuts bolts etc incl. powder coated painting.	2	622.00 616.20	Each	1244.00 1232.40
3	Supply and installation of wall mounted LT cubical type distribution panel board ( Size 1000x750x400mm ) having rigid and self supporting structure fabricated with 14 SWG CRCA sheet with M.S angle & flat iron frame etc as required. <b>Incoming Arrangement:-</b> 415V 100A FP MCCB (Legrand make, 25KA) -01 no. <b>BUS BAR CHAMBER-</b> 500V 200Amp. 4 bar copper bus Bar 500mm long mounted on non hygroscopic porcelain insulator/ hylam sheet having sufficient di electric strength duly wrapped with colour PVC tapes ( Red, yellow, blue, Black) for phase & neutral identification -1 set and LED indicating lamp - 3 nos HRC/Sliding fuse- 3 nos, E.I. Danger Board Suitable size-1 no. and 0-500V Digital Voltmeter - 1no. <b>Outgoing Arrangement:-</b> 415V 63A FP MCCB (Legrand make, 25KA) - 1 no. and 240V 32A DP MCB (Legrand make) -2 nos. <b>Connection</b> - All Inter-connection between Bus-bar & MCCB/MCBs made by proper size Cu. Flex wire	1	26885.00	Set	26885.00
4	Supply & Laying of 1.1KV Gr. 4 core 25 sqmm Al. Armoured XLPE insulated cable (Make- Gloster/Polycable/ Havells/KEI) on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting	75	387.00 382.20	Mtr.	29025.00 28665.00
5	Supply & Laying of 1.1KV Gr. 4-core 25 sqmm Al. Armoured XLPE insulated cable (Make- Gloster/Polycable/ Havells/KEI) 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 rammed	35	470.00 487.20	Mtr.	16450.00 17095.20
6	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of 4 core 25 sqmm XLPE/PVC armoured cable.	4	180.00 178.20	Set	720.00 712.80
7	Finishing the end of 4 core 25 sqmm XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials.	4	130.00 129.20	Set	520.00 516.80
8	Supplying and fixing double-door 6 way SPN MCB Distribution Board (Legrand) with IP-42/43 protection and comprising with 1no. 40A DP isolator and 04nos. 8-10A SP MCB as outgoing (Legrand), 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.	1	2892.00 3125.20	Set	2892.00 3125.20
9	Cutting Channel of size (40 mm x 40 mm) on masonry wall by Electric operated cutting machine incl. supplying & fixing heavy gauge 19 mm dia 3 mm thick polythene pipe without earth continuity wire by means of anchoring chemical (Hilti/Sika) and GI 'U' hooks of 8 SWG incl. supplying and drawing 18 SWG GI wire as Fish wire and mending good damages to original finish by using own tools and tackles	30	71.00 70.20	Mtr.	2130.00 2106.00
10	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required a) 3 x 22/0.3 (1.5 sqmm) [ for Separate 2x6A Plug Pt.] b) 2x84/0.3 (6 sqmm) + 1x56/0.3 (4 sqmm) as ECC [for SPN DB Ckt.]	20	58.00	Mtr.	1160.00
11	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. a) 4 sqmm b) 6 sqmm	35 4 10	478.00 7.00 9.00	Mtr. Each Each	16780.00 28.00 90.00

12	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) partly in 20mm size PVC rigid conduit 'FR' (Precision make) [for ceiling portion only] and in 19mm bore, 3mm thick polythene pipe [for horizontal & vertical run embedded in wall], with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board on wall complete with 2 no. "Ph & N" copper bar incl. bakelite/ Perspex top cover 3 mm thick and incl. 175x100x65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish [only PVC Rigid Conduit on ceiling and remaining portion concealed] (Avg. run 8 Mtr.)	17	1044.00 1039.20	Pt	17748.00 17578.20
13	Supplying & Fixing MS fan clam of two piece type for RC ceiling as per approved specification, fabricated from 40 mm x 9 mm MS flat including making good damages to building roof with satisfactory finishing and painting - (As per Drawing no. 475 of PWD Specification Book - May 1991)	4	273.00 278.20	Each	1092.00 1080.20
14	Supply & Fixing ceiling fan (Orient PSPO New Breeze/Crompton High Speed) complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire.	4	1950.00	Each	7800.00
15	Supply & Fixing Socket type fan regulator (Step type) (Anchor make) on existing sheet metal switch board with bakelite/ perspex top cover by screw incl. making necy. connections etc.	4	273.00 280.20	Each	1092.00 1120.20
16	Supply & Fixing 240V 12" Exhaust Fan with louver shutter after making hole on wall and making good the damages incl. Connection.	4	8750.00 3646.20	Each	35000.00 14584.20
17	Supply & Fixing single LED 4' Tube light fitting (Philips make: TMC 501 P 1xT-LED 22W P3242 with 1x20W MAS 865 T8 1 lamp) comprising with LED Tube lamp (Philips make) suspended 25 cm below the ceiling with 2 No. 20 mm dia EI conduit (14 SWG) supports fixed with "L" type MS clamp whose one side fixed on ceiling with suitable size 4 nos. fastener 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 MS 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.	8	1938.00 1793	Set	15488.00 13,499.20
18	Supplying & Fixing bulk head light fitting (Havells make) with die cast aluminium housing & frosted glass on wall/ceiling incl. S&F 6watt CFL lamp complete set.	1	701.00	Each	701.00
19	Supply & Fixing 240 V, 2 nos. 6A socket with 2 nos. 6A Pianokey type switch (Anchor make) on sheet metal switch board embedded in wall incl. S & F 175x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	2	255.00 959.20	Each	700.00 908.20
20	Supplying & fixing medium gauge 40mm GI Pipe (ISI-Medium) Protection with necessary fittings and jointing materials as required	12	296.00 298.20	MT	3552.00 3516.20
21	Earthing with 60 mm dia GI pipe (ISI - Medium) 3.64 mm thick x 3.04 Mts. long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 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	2	1500.00 1545.20	Set	3420.00 3090.20
22	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	0.5	477.00 175.20	MT	188.50 88.20
23	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	21.00	MT	420.00
				Rs.	159256.50
				Contingency Charge Rs.	478.90
				Total Rs.	164075.40
				Bay Rs.	164075.00

Adding W/P cost @ 1%  
 159,927.20  
 1599.20  
 Rs. 1,61,526.20

Adding Admin. & Station charges by W&MSCL @ 4%  
 6461.20  
 Rs. 1,67,987.20

checked.  
 19/7/17  
 Consultant Eng. (Elect.)  
 West Bengal Medical Services Corporation Ltd.  
 Executive Engineer, R.W.D.  
 Purba Medinipur Electrical Divn.  
 TAMLUK  
 Govt. of West Bengal  
 18/07/17