

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- 767/4229

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 Bolpur SDH, district Birbhum' at an estimated cost of Rs.. 3,01,852.00 (Rupees Three Lakh One Thousand Eight Hundred and Fifty Two) 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 Bolpur SDH, district Birbhum	2,94,490.00
2	Contingency @ 2.5%	7362.00
Total		3,01,852.00

The work will be executed by the Executive Engineer, P.W.D, Birbhum 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-767/4229/1(10)

Copy forwarded for information and necessary action to:

1. Joint Secretary, M.S. Branch, Dept. of Health & Family Welfare
2. CMOH, Birbhum
3. Superintendent, Bolpur SDH
4. Superintending Engineer, PWD, 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 Birbhum 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

Office of the
Executive Engineer,
Birbhum Electrical Division, P.W.D
P.O.-Suri, Dist- Birbhum
Pin - 731101, Ph. 03462-259015
eebired@gmail.com
eebiredpwd@wb.gov.in

GOVERNMENT OF WEST BENGAL



পশ্চিমবঙ্গ সরকার

নির্বাহী বাস্তবায়নের করণ
বীরভূম জলিৎ ভূক্তি, পুতবিভাগ
ডাকঘর-সিউডি, জেলা-বীরভূম
পিন- ৭৩১১০১, দুরভাগ-০৩৪৬২-২৫৯০১৫
eebired@gmail.com
eebiredpwd@wb.gov.in

Memo No. 866

Date. 21.07.2017

To
The Managing Director,
W.B. M.S.C.L
Swasthya Bhavan, Salt Lake City
Kolkata 700091.

Sub:- Resubmission of Estimate of Electrical Installation work for proposed Medical Gas Pipeline System (MGPS) building incl. SITC of D.G. set at Bolpur Sub Divisional Hospital, Bolpur.

Ref:- Memo No. WBMSC/PROC/1887/17/1872 dated 12.06.2017 of Managing Director & Secretary, Health & Family Welfare Department.

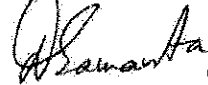
Sir,

With reference to the above the undersigned is sending herewith the estimate as stated subject work for amounting to **Rs. 3,47,679/- (Rupees Three Lakh Forty Seven Thousand Six Hundred Seventy Nine) only** in duplicate copy for administrative approval and placement of fund in favour of Chief Engineer (Electrical)- I, PWD or Executive Engineer, PWD, Birbhum Electrical Division (**BRDPWE003**) through e-Bantan. The work will be taken up only after sanctioned the fund.

Thanking you.

Enclo:- As stated.

Yours faithfully

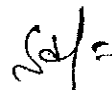

21.07.17
Executive Engineer, P.W.D.
Birbhum Electrical Division

Memo No. 866/1(4)

Dated. 21.07.2017

Copy forwarded for information to :

- The Superintending Engineer, Western Electrical Circle, PWD, Purta Bhavan, Burdwan
- The CMOH, Birbhum, Suri, Birbhum.
- The Superintendent, Bolpur Sub Divisional, Bolpur, Birbhum.
- The Assistant Engineer, Bolpur Electrical Sub Division, PWD, Bolpur, Birbhum.


Executive Engineer, P.W.D.
Birbhum Electrical Division.

Name of work: Electrical installation for Medical Gas pipe line system (MGPS) at Bolpur SD Hospital, Birbhum.

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

Report: This estimate has been framed to meet up the probable cost and expenditure for the above work. After thoroughly inspection of the site & as per drawing of the authority. necy. point wiring, fan, fittings, socket, SPNDB, VTPNDB, Main Switch, connecting cable, wire, earthing, compound lighting has considered. Also as per demand of the authority, necy. E.I work for 30KW power source for plant room & 3KW single phase power source for Mainfold room. Thus the estimate has framed accordingly & placement for fund.

sl no	Description of item	Qty.	Rate	Unit	Amount
1	Supplying and fixing 415V. TPN SFU with sheet steel enclosure on flat iron/angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating. 125A. Siemens make. on Flat iron frame. [4.a/D-3]	1	10,926.00 11,025.00	Set	10,926.00 11,025.00
2	Supplying and fixing 415V. TPN on load front operated Changeover switch with Sheet Steel enclosure on angle iron frame on wall with nuts bolts etc 125A. L&T make. on Flat iron frame. [3.a/D-2]	1	10,589.00 10,588.00	Set	10,589.00 10,588.00
3	Supplying and fixing sheet steel (16SWG) cable end box on TPN SFU enclosure with nuts bolts etc incl. powder coated painting. For 125A SFU. [5/D-5]	2	634.00 628.00	set	1,268.00 1,256.00
4	S&Laying 3x2 core 70sqmm XLPE/A Aluminium cable. saddling on wall in UG trench as per GS. in GI pipe protection	12 130 12	986.704.00 583.045.00 402.685.00	mt	9831.28.448.00 7579.65.650.00 4832.26.220.00
5	Supplying & fixing medium gauge GI Pipe (ISI-Medium) Protection with necessary fittings and jointing materials as required 50 mm dia [11.d/F-6]	12	406.00 402.00	mt	4872.00 4824.00
6	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables for 3x1/2 core 70sqmm. [7.d/F-4]	2	242.00 182.00	Set	484.00 364.00
7	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: A 3x2 core 70sqmm cable [8.b. xvii / F-5]	2	299.00 203.00	Set	598.00 406.00
8	Supplying and fixing double door Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment Legrand make. Up to 250A. 3 way. Enclosure (607723)	1	22,372.00 22,150.00	Set	22,372.00 22,150.00
9	Supplying and fixing 415 V Four Pole MCCB of Breaking capacity 25kA/35kA with fixed thermal and fixed magnetic / adjustable thermal and fixed magnetic setting in existing DBs enclosure and necessary connection. Legrand make, FP.125A. [10/D-8]	1	10,291.00 10,088.00	each	10,291.00 10,088.00
10	Supplying and fixing MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment [11/D-9]		384.00		
	4 Way	3	328.00 388.00	each	1152.00 1164.00
	2way	2	328.00 334.00	each	656.00 662.00

sl no	Description of item	Qty.	Rate	Unit	Amount
11	Supplying and fixing double-door SPN MCB Distribution Board with IP-4243 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. Legrand make. 2+10 way. Enclosure (607712) [13/D-9]	1	2182.00 2160.00	Set	2182.00 2160.00
12	Supplying and fixing 240-415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection Legrand make. [7/D-6]				
	6-32 A IP	3	1106.00 117.00	each	3318.00 351.00
	6-32 A SP	19	235.00 237.00	each	4465.00 4503.00
	63A TP	2	1775.00 1810.00	each	3550.00 3620.00
13	Cutting channel of 40 mm x 40 mm size on masonry wall incl. S&F heavy gauge polythene pipe dia as stated below, by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building work. 19 mm dia 3 mm thick polythene pipe without earth continuity wire [3.a/E-2]	120	97.00 96.00	mt	11640.00 11520.00
14	Cutting channel of 31 mm x 31 mm size on masonry wall incl. S&F heavy gauge polythene pipe dia as stated below, by means of iron hooks and supplying and drawing 18 SWG GI Wire fish wire incl. mending good damages to building works, 13 mm dia 3 mm thick polythene pipe without earth continuity wire [2.a/E-2]	40	82.00 81.00	mt	3280.00 3240.00
15	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 prelaidd polythene pipe and by the prelaidd GI fish wire and making necy. connection as required				
	4x34/0.3 (6 sqmm) + 2x56/0.3 (4 sqmm) as ECC [1.a/E-9]	40	340.00 347.00	mt	13600.00 13880.00
	2x84/0.3 (6 sqmm) + 1x56/0.3 (4 sqmm) as ECC [1.y/E-9]	10	171.00 173.00	mt	1710.00 1730.00
	2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC [1.v/E-9]	50	117.00 118.00	mt	5850.00 5900.00
	2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC [1.s/E-9]	50	80.00 82.00	mt	4000.00 4100.00
	3 x 22/0.3 (1.5 sqmm) [1.v/E-9]	10	59.00 60.00	mt	590.00 600.00
	4x25 sqmm + 2x16 sqmm as ECC [NS]	10	1326.00 1339.00	mt	13260.00 13390.00
16	Supply & Fixing 240 V, 3 nos. 16 A, 3 pin Modular type plug socket with 3 nos. 16A Modular type switch (Brand approved by EIC), 20A Modular switch type SP MCB (C Curve) and Indicator without plug top on 2 row 12 Module GI Modular type switch board with 2 row 12 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc. [13/E-18]	5	2006.00 1986.00	Set	10030.00 9930.00
17	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 Modular type switch (Brand approved by EIC) fixed on Modular GI switch board complete with 2 no. suitable size "Ph & N" copper bar with top cover plate making earthing attachment fixed on wall incl. mending good damages to original finish, [only PVC Rigid Conduit on ceiling and remaining portion concealed] Avg run 8mt [4.c/E-25]	14	1150.00 1139.00	pt	16100.00 15946.00

Sl no	Description of item	Qty.	Rate	Unit	Amount
18	Distn. wiring in 22.0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & un-sheathed single core stranded copper wire (Brand approved by EIC) in 19 mm bore, 3 mm thick poly then 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 On Board [3.i./E-20]	2	264.00 261.20	pt	528.00 522.40
19	S&F Suspended LED linear 1200mm long 40W lighting system suitable for continuous mounting. CROMPTON-GREAVES make TREND-T (cat no LCPTSNEN40-CDL) with necessary suspension system suspended from truss. S&F Room Sweep A.C. ceiling fan as required	4	6620.00 2276.20	set	26480.00 9104.20
20	Supply & Fixing of 4ft LED T-8 box type batten with end cap complete with all accessories [CROMPTON-GREAVES make cat no DMLN1 LT8-16] On directly on ceiling wall by suitable size fastener lamp with battery on ceiling as required	2	339.00 1798.50	set	678.00 3996.20
21	Supply & Fixing of Twin 4ft LED T-8 box type batten complete with all accessories [CROMPTON-GREAVES make cat no IGPI32-LT8-16] On directly on ceiling/wall by suitable size fastener with 2x18 watt LED on ceiling as required Philips make	4	325.00 2917.20	set	1300.00 11668.20
22	S&F 20W LED T-8 lamp [CROMPTON-GREAVES make cat no LT-T8-20] on fittings.	6	967.00	set	5802.00
23	S&F Asymmetrical ON 'OFF & OFF 'ON 0.1 sec - 100 hrs, 240 V AC/DC, 1 C/O. Base/DIN [L&T make ICD10] with necessary DIN rail.	2	1163.00	each	2326.00
24	S&F 250V 300mm (12") sweep AC heavy duty exhaust fan incl. louver shutter etc. after cutting hole on wall & mending good the damages. As per GS. (make - EPC, 1420rpm)	1	3828.00 3717.20	set	3828.00 19868.20
25	Excavation of soil for installation of Earth Electrode and filling & ramming. (For Murrum Soil) [1.b/G-1]	8	303.00 300.20	cum	2424.00 2401.60
26	Earthing with 50 mm dia GI pipe 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 as below. (For Murrum Soil by TATA Medium GI pipe)	2	1777.00 1789.20	set	3554.00 3518.20
27	Supplying & fixing earth busbar of galvanized 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 brass bolts, nuts, washers, spacing insulators etc. as required	0.6	181.00 179.20	mt	108.60 107.52
28	Connecting the equipments to earth busbar including S & F GI wire of 4SWG 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
Total					3,37,52.60
Contingency @3%					10,126.58
Total Amount					3,47,679.18
Say					3,47,679.00

(Three lakh forty seven thousand Six hundred seventy nine only)

Rs. 2,91,579.00

Bob
Asst. Engineer (Electrical)
Bol. Electrical Sub-Division, P.W.D.
of West Bengal

Checked
John
22/7/17

Adding 110000
21/- 2916.20
Prasanta
21.07.17
Executive Engineer P.W.D.
Birbhum Electrical Division
Adding Administrative
Charges @ 1% 11780.20
Rs. 2,99,490.20

Rs. 3,06,270.20