

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- 741/4203

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 Lalbagh SDH, district Murshidabad' at an estimated cost of Rs. 4,41,912.00 (Rupees Four Lakh Fourty One Thousand Nine Hundred and Twelve) 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 Lalbagh SDH, district Murshidabad	4,31,134.00
2	Contingency @ 2.5%	10,778.00
Total		4,41,912.00

The work will be executed by the Executive Engineer, P.W.D, Murshidabad 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.

PD 24/11/17

Managing Director

Date: 24/11/2017

Memo No: WBMSC/AAES-741/4203/1(10)

Copy forwarded for information and necessary action to:

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

PD 24/11/17

Managing Director



GOVERNMENT OF WEST BENGAL

Office of the Executive Engineer (P.W.D)

Murshidabad Electrical Division

184 CR Das Road, Berhampore

Pin: - 742101

E mail - eemspd@wb.gov.in

J.C 482 - 261582

Memo No:-1238

Date: ..20.07.2017

To
The Managing Director &
Secretary, Health & FW Department
WBMSC

Sub: Submission of estimate for the works "Construction of New plant cum Manifold room for Medical Gas Pipe line System at Lalbagh SDH- E.I work for power distribution. "

Ref: Memo no-WBMSC/PROC/1887/17/1872 dt 12/06/2017 from the Managing Director & Secretary Health & FW Department.

The undersigned is sending herewith this office estimates Nos (i) 116/MsdED of 2017-2018 amounting to Rs 5,98,486/- respectively for obtaining administrative approval & allotment of fund. Fund may be placed in favour of The Executive Engineer, PWD, Murshidabad Electrical Division in the shape of draft or cheque and if in the shape of GO then place fund in favour of The Chief Engineer, Electrical - I, PWD to enable him to issue the same in the form of e-bantan to the Executive Engineer, PWD, Murshidabad Electrical Division for execution of the work.

Encl: - Estimate in duplicate

Executive Engineer, PWD
Murshidabad Electrical Division
Berhampore

Memo No 1238 /1(2)

Date: 20.07.2017

Copy forwarded for information and necessary action to:

- (i) The Assistant Engineer (P.W.D) Berhampore Electrical Sub-Division
- (ii) Office copy

Executive Engineer, PWD
Murshidabad Electrical Division
Berhampore

Estimate

Estimate no- 116 /MsdED/2017-18

Estimate no-42/BESD/2017-18

Name of work:- Construction of New plant cum Manifold room for Medical Gas Pipe line System at Lalbagh SDH- E.I work for power distribution.

Reference:- Memo no-WBMS/PROC/1887/17/1872 dt 12/06/2017 from the Managing Director & Secretary Health & FW Department.

Report:- This estimate has been framed to meet up the probable cost of the above work. As per the joint inspection and the letter for the requirement this estimate has been framed which includes double cable from substation to the gas station, internal wiring, switches DB & power source for gas alarm. Therefore the estimate made accordingly for sanction please.

Sl no	Description of item	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	Supplying and fixing 415V 160A TPN FP on load front operated Changeover switch with Sheet Steel enclosure on angle iron frame on wall with nuts bolts etc (make I & T)	1	Nos	11080 11608	11,080.00 11,608.00
2	Supplying and fixing 415V 160A 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. (make I & T)	1	Nos	9500 9882	9,500.00 9,882.00
3	Supply, Installation, testing & Commissioning of floor-cum-wall mounted cubical type self supporting compartmentalized with separate bus & cable alleys made of 3mm thick CRCA sheet & angle iron frame supported incl. necy. interconnection by suitable size & grade copper cable / solid link/ flat bar incl. making cable end terminal box float boxes after making drill holes ect. As required incl. painting the panel board by powder coated paint as per direction of E.I.C and S & F of the following. ESSENTIAL: (A) INCOMING: (i) 415 Volt 160 Amp. FN type TPN main switch 1 no (make L&T) (ii) 415 Volt 160 Amp. FN type TPN changeover 1 no (make L&T) (B) Bus Bar Chamber: 415 Volts, 4 Bars Copper B.B.C incl. 4 Nos. 300/315 Amp capacity Copper Bars on DMC/ porcelain insulator of requisite length (85mm long) incl. drill hole etc. as required and as approved by E.I.C 3mm size (4x40x5mm) (C) OUTGOING: (i) 415 Volt 63 Amp FN type TPN main switch with HRC fuses -- 2 Nos (make L&T), (ii) 415 Volt 125 Amp FN type TPN main switch with HRC fuses -- 1 Nos (make L&T), (iii) 415 Volt 32 Amp DP main switch with HRC fuses -- 2 Nos (make L&T) D) Instruments. I) 0-500V voltmeter with selector switch -- 1 set ii) 0-100 A ammeter with selector switch -- 1 set iii) suitable CT -- 3 nos iv) sliding fuse -- 3 nos	1	Item	63000 50185	63,000.00 50,185.00
4	S/F 160Amp spreader link arrangement for each Ph&N by nut bolt etc incl necy connections as per direction of EIC.	2	Set	4500	9,000.00
5	S & laying of the following size 1.1 kv.gr.PVC/A Al.cable as below (Havells/Glowstar) with 2 nos. 10 swg G.I wire after cutting floor/pavement /wall and making holes incl. embedding the cable at an average depth as below and mending good the damages to original finish incl. removing the rubbish. 1 nos x 3.5 core 35sqmm (from sub station to Gas Bank)	240	Mtr	1160 552	278,400.00 1,32,980.00
6	S & F compression type gland complete with brass gland, brass rings & rubber ring for dust & moisture proof entry of XLPE/PVC armoured cable as below 3.5 core 35sqmm	4 2	Nos	209 182	836.00 364.00

7	Finishing the end of 3.5 core 35sqmm XLPE/PVC armoured cable by crimping method incl. S & F solderless socket tapes anticorrosive paste and jointing materials	4 2	Set	257 253.50	1,008.00 916.50
8	S&F of 1no 5A piano type switch & 1 no 5A plug in 6x4 PVC switch board (approve make) incl necy connection by wire as per direction of EIC. (For Gas alarm panel)	18	Nos	260 174.50	4,680.00 3,132.00
9	S&F Drawing 1.1kv grade, single core stranded FR PVC insulated & unsheathed copper wires (approve make) of the following sizes in polythene pipe (size as reqd) and by the G.I fish wire and making necy connections with S/F sockets as reqd.				9636.00
	2x1.5sqmm + 1x1.5sqmm as ECC (for gas alarm panel 5 A point)	380	Mtr	121.28	48,640.00
	2x2.5sqmm + 1x1.5sqmm as ECC (for gas panel of OT)	140	Mtr	192.52	21,280.00
	2x4sqmm + 1x2.5sqmm as ECC (for single phase 3 KW power)	40	Mtr	180.493	7,720.00
10	Finishing the end of following sizes PVC/A cable/copper wire by crimping method as to G.S.				7266.50
	2x1.5sqmm + 1x1.5sqmm as ECC	50	Set	15	750.00
	2x2.5sqmm + 1x1.5sqmm as ECC	16	Set	18	288.00
	2x4sqmm + 1x2.5sqmm as ECC	12	Set	21	252.00
11	Distribution wiring in 1.1 kv grade 2 x22/0.3(1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Finolex FR) in 20mm size PVC rigid conduit 'FR' (Precision make), with 1x1.5 sqmm single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/CFL points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar with holes fixed on bakelite/hard rubber insulation over the JB welded chairs incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish.(Av. run 8 mtr)	26	Nos	1043 1083.50	27,118.00 28,158.50
12	S&F 4ft (Philips) with LED 20W (WH) philips lamps suspended 25cm below the ceiling with 2no 20 mm dia EI conduit (14SWG) supports fixed with "L" type MS clamp as to GS. TMC 501/2x22 LED P double tube	8	Set	2772 2917.50	22,176.00 23,336.50
13	Supply & fixing of 240V 1400mm sweep AC ceiling fan (Approve make) white color complete with blades, canopy, fork, rubber bush without regulator ready to use.	4	Set	2150	8,600.00
14	S&F Extra for suspension exceeding 25cm with S&F additional 2no 20mm dia EI conduit (14SWG) supports & necy PVC insulated wire and painting etc as reqd by 2x1.5sqmm flexible Cu wire of 1.10mtr length.	8 7	Nos mts.	191	1,528.00 764.50
15	S & fixing of step type electronic fan regulator (EME) (make Anchor)	4	Nos	280 277.50	1,120.00 1,068.50
16	S & F MS fan clamp of 2 piece type for RC ceiling as per approved specification.	4	Nos	295 275.50	1,180.00 1,066.50
17	S&F 50Hz 12inch sweep 920rpm heavy duty AC exhaust fan after making hole and mending good the damages to original finish incl S&F 300mm G.I louver shutter (make- EPC/ C.G)	4	Set	3600 3568.50	14,400.00 14,272.50
18	S&F sequence multifunction timer for exhaust fan consisting DP MS box with necy connections by Cu wire with the socket, fixed on wall & necy screw etc. Provided one number blank plate as per direction of EIC. (CMDTO multifunction timer 0.1sec-100Hts. make-L&T/DP enclosure MS box 607882 make Legrand/ Blank plate 601470G)	4	Set	2250 2200.50	9,000.00 8,802.50
19	S/F industrial plug & socket with 415v 63A TPN & earth, neutral and 63A industrial plug top incl S/F 63A 4pole MCB breaking capacity 10Ka C curve in s.s encloser fixed on wall and necy connection Legrand/Hager.	1	Item	13500	13,500.00
20	S/F industrial plug & socket with 240v 32A Ph & earth, neutral and 32A industrial plug top incl S/F 63A DP MCB breaking capacity 10Ka C curve in s.s encloser fixed on wall and necy connection Legrand/Hager.	1	Item	3870 3293.50	3,870.00 3,293.50

21	S & F 8"x6"x4" c.i. water proof loop box (4 mm thick) having hinged c.i. top cover with rubber gasket, locking arrangement, earthing terminal with lug, 15 A kitkat fush unit. porcelain insulator etc. flushed in wall and mending good the damages.	2	Nos	900	1,800.00
22	S&F of 40 mm. dia. 1.5 Mts. long G.I. pipe (medium) arm bracket grouted by 4 nos. 5" long GI nut bolt & 2 nos. "U" clamp arrangement on wall with S&F 1 no. 40 mm X 20 mm reducer as per G.S.	2	Nos	1143	2,286.00
23	Painting of arm brackct fixing the top of the pole with fittings with 2 coat of Al. Paints over one coat of R.O. Primer.	2	Nos	105	210.00
24	S & F 240V single MF-I starter (make L & T) for S.V. lamp.	1	Nos	1300	1,300.00
25	S & F LED 36W Street Light fittings complete with all accessories duty wired for ready to use (Phillips). To be fitted in the pole as per the direction of EIC	2	Set	8400 8119	16,800.00 16228
26	S&fixing 250V, (2+10) way, 6-10A per way, SPN MCBDB with SS enclosure double door with IP-42/43 protection with DP Isolator as incomer and SPMCB ('C' Curve, 10KA) as outgoing, 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 cat no 607713) flushed on wall as per GS. With all accessories and one no. 40A DP isolator and 10nos 6-20A SP MCB. (LEGRAND make)	2	set	6552.00 5082	13104.0 10169
27	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 & restoring surface duly rrammed as by TATA-Medium GI pipe	2	Set	1910	3,820.00
28	Connecting the equipments to earth bus bar incl. S & F 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.	10	Mtr	6	60.00
29	Supplying & fixing earth bus bar of galvanised (Hot Dip) M.S. flat of size .25 mm x 6 mm on wall having clearance of 6 mm from wall incl. providing drilled holes on the Bus bar complete with G.I. bolts, nuts, washers, spacing insulators etc as required.	1	Mtr	180 179	180.00 179
Total				₹	598,486.0 84,26,865

Say Rs. 5,98,486/-

E
Junior Engineer, P.W.D
Lalbagh Electrical Section

[Signature]
Assistant Engineer, P.W.D
Berhampore Electrical Sub Division

[Signature]
Executive Engineer, P.W.D
Murshidabad Electrical Division

Adding 1/100% — 4269.00
₹ 9,91,139.00

Adding Adminis. — 17,295.00
₹ 9,98,379.00

Checked.
[Signature]
21/7/17

Consultant Eng. (Elect.)
West Bengal Medical Services Corporation Ltd.