

ABSTRACT

Name of Work: - Repairs to Electrical System of D G Room @ Popatkhed Project Distt. Akola.

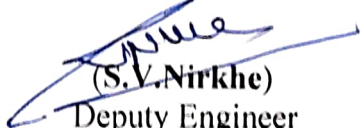
Sr. No	Description	Qty.	Rate (Rs.)	Amount (Rs.)
1	Providing and erecting floor/wall mounting MCCB Panel board with door suitable for Four pole incoming 400 A 12 way 4 pole outgoing upto 100 A MCCBs erected on iron frame as per specification no SW-SWR/ MCCB PB (Excluding MCCB,S). CSR Item. No. 5-7-10.	1 No.	84241.50	84241.50
2	Providing and erecting Incoming and Outgoing cable alleys suitable for MCCB panel board with door 400 A Incoming and 12 way outgoing or 400 A incoming and 6/8 way Outgoing made from CRCA Sheet 1.6 mm thick duly powder coated and having vertical insulated partition for shielding between the shared face of cableway and DB. CSR Item. No. 5-7-16.	1 Set.	24835.65	24835.65
3	Providing and erecting prewired meter module suitable for MCCB panel board with CT's and emf's VIF meter complete. CSR Item. No. 5-7-17.	1 Set.	12989.55	12989.55
4	Supplying & erecting LED Type indicating pilot lamp with LED colours red/yellow/ green, 230/ 250V on provided box / panel with necessary material, wiring & connection etc. CSR Item. No. 6-5-5.	2 Nos	260.40	520.80
5	Supplying & erecting LED Type indicating pilot lamp with LED colours blue, 230/ 250V on provided box/panel with necessary material, wiring & connection etc. CSR Item. No. 6-5-6.	1 No.	371.70	371.70
6	Supplying & Erecting Bus bar chamber Triple pole with neutral with four aluminium bars, 500V 400A having 50mm (Width) X 5 mm (Thickness) with 99.9 % aluminium purity as per E91E Grade & Current Density 0.8 A per sq. mm. compliance to IS 5082 and Enclosure fabricated with 16 SWG CRCA Sheet and epoxy paint with suitable number of ways and with SMC/DMC Insulators and accessories of suitable rating complete as per specification No CP-BB. CSR Item. No. 6-2-4.	4 Mtr.	9438.45	37753.80
7	Providing and erecting 3 pole MCCB up to 100A 415V Capacity with S.C. rating 25 KA (ics = 100% of icu) adjustable thermal(overload) setting & fixed magnetic setting with provided leads provision for installation of shunt/UV/trip alarm contact and MCCB should have phase barriers both sides in provided enclosure on iron / GI frame as per specification no SW-SWR/MCCB. CSR Item. No. 5-5-1.	2 Nos	5574.45	11148.90
8	Supplying and erecting ON LOAD automatic transfer switch Four Pole 415 V 315 A 50 Hz with enclosure flexibility of neutral connection line & load reversibility , changeover with phase barriers , source separator, terminal covers along with staggered termination for cable connection and ATS Controller with provision of time delay protection of OV, UV phase sequence changing single phasing and event logging connected with provided leads complete complying to IS/IEC 60947-3 Part 1/6. CSR Item. No. 5-1-13.	1 No.	72725.10	72725.10
9	Supplying and erecting Annealed bare copper wire of high purity of different sizes used for earthing on wall with necessary copper clamps fixed on wall / cable / conduit with screws in an approved manner. CSR Item. No. 9-2-4.	65 Kg.	886.20	57603.00
10	Supply, Installation, Testing and commissioning of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low carbon steel with 250 micron molecular copper bonded earthing rod of length 3m long with 25 kg carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete. specification no EA-MOBI. CSR Item. No. 9-1-5.	12 Nos.	14495.25	173943.00

11.	Supplying ,erecting testing and commissioning of Microprocessor based AMF Panel suitable for Diesel Generating Set of above 50 Kva upto 62.5 KVA capacity three phase 415 Volts , 50 Hz A.C. with all standard features, safeties etc as per specification no GEN-AMF. CSR Item. No. 11-2-8.	1 No.	95632.95	95632.95
12.	Supplying , erecting & terminating FR XLPE insulated, galvanized steel formed wire armoured (strip) cable 1100 V, 4 core 35 sq mm aluminium conductor complete erected with glands & lugs on wall/ trusses/ pole or laid in provided trench / pipe as per specification no CB-LT/AL. CSR Item. No. 7-1-31.	70Mtr	340.20	23814.00
13.	Supplying , erecting & terminating XLPE Unarmoured cable 1100 V 1 core 25 sq mm copper conductor complete erected with provided lugs laid in provided control panel / distribution boards / pipe as per specification no CB-LT / CU . CSR Item. No. 7-2-1.	40Mtr	368.55	14742.00
14.	Providing and Back filling earth conductivity enhancing mineral earthing compound of 25 kg bag complete. CSR Item. No. 9-3-2.	12 Nos.	1304.10	15649.20
	Total		Rs.	625971.15
	Add GST 18 %			112674.80
			Total	738645.95
			Say Rs.	7,38,646/-

(Rs. Seven Lac Thirty Eight Thousand Six Hundred & Fourty Six Only)

Prepared by


S.S.Wankhade.
Sectional Engineer.
(Electrical)


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Technically Checked & found correct


Deputy Engineer
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Sanctioned Estimate No .

EE/MD/AK/2025. Dt. .

Sanctioned for Rs 738,646 (In words Seven lakh thirty eight thousand six hundred Fourty six only)


Executive Engineer
Mechanical Division
Akola