

# Abstract

Name of the work :- Providing & Erection of New Submersible Monoblock Pump Set with Pipe Line for filling Elevated Storage & Reservoir @ Talodhi Mokasa Lift Irrigation Scheme, Tah.- Chamorshi Dist. Gadchiroli.

Qty.	Unit	Description of Item	Rate / Item	Amount
1	Job	Item No. PM 1-2-7 - Providing, erecting and giving test of submersible pump set conforming to IS 8034 and motor conforming to IS 9283, with water proof winding. Pump shall be suitable for various delivery head and discharge with stainless steel shaft. Motor suitable for working on 415 V $\pm$ 10%, 3 Ph, 50 Hz A.C. Supply, with cable guard, thrust carbon/fiber bearing to withstand entire hydraulic thrust. The pump set shall be suitable for direct coupling, with suitable suction strainer. Pump should have suitable discharge out let as per manufacturer's design. Antithrust stream lined non return valve shall be provided with the pump. 3 m submersible copper conductor cable in single / double run and 2 pairs of suitable size erection clamp 10 mm thick shall be provided with each pump. Submersible Pump 150 mm dia (with Bronze /Stainless steel (CF8M) Impeller) up to 8 stages . H.P. 7.5 , Head - 32 m	44414.00	44414.00
1	Job	Item No. 5-5-1 - Providing & erecting 3 Pole MCCB, 415 V, 100A, rated short-circuit breaking capacity 25 kA (Ics=100% of Icu), adjustable thermal (overload) setting and fixed magnetic setting with provided leads, provision for installation of shunt/UV/trip alarm contact. MCCB with phase barriers on both sides, insulation withstand capacity 800V, no line-load bias in provided enclosure/panel as per specification no. SW-SWR/MCCB	5840.00	5840.00
1	Job	Item No. LG 1-1 - DOL Starter - Supplying and erecting DOL starter to operate squirrel cage induction motor working on 380- 440 Volt, 3 phase, 50 Hz with no volt coil and over load element with necessary material and connected to supply, etc complete. Starter with original sheet steel encloser. Upto 7.5 HP	2459.00	2459.00
45	m	Item No. 7-2-16 - Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	348.00	15660.00
45	m	Item No. 1-2-20 - Supplying & Erecting GI flexible Conduit 25 mm dia. conforming to I.S. with required number of couplings, bushes, check nuts etc. on Wall / Ceiling as per specification .	54.00	2430.00
50	m	Item No. 13-6-6 - Supplying and erecting G.I. pipe 'C' class ERW 100 mm dia with necessary fittings complete as per specification no. FF-PP	1747.00	87350.00
4	No	Item No. PW 1-7 - G.I. Bend "B" Class - Supplying and erecting "B" class G.I. Bend in position with necessary material 100 mm Dia.	917.00	3668.00
1	No	Item No. PW 3-7 - G.I. Coupling / Nipple "B" Class - Supplying and erecting "B" class G.I. Coupling / Nipple in position with necessary material	597.00	597.00
1	No	Item No. LIPDN 57 - Providing , Supplying & Erecting of approved make & ISI mark CI D/F reflux valves ( Non Return Valve ) of following dia. with technical specifications as below i. Design , manufacturing & testing standard IS 5312 Part 1 Including transportation , inspection , unloading , loading , stacking excluding GST levied by GOI / GoM in all respect etc. Complete reflux Valve as per IS 5312 Part I ( 1984 ) size 100. PN 1.0	11069.00	11069.00
25	m	Item No. A 6 ( a ) - Wire Rope - Supplying & Erecting Water Proof Wire Rope I.P.G. with F.M.C. having construction 6 x 36 Regular Lay for holding submersible Pump. Size 14 mm . As per IS 2260.	185.00	4625.00
4	No	Item No. 2 - 13 - 3 :- Wire Rope Clamps - Supplying and Erecting Wire Rope clamp of 15 mm. M.S. Round of required length and 15 mm. nuts with necessary Threads.	198.00	792.00
Total Rs.				178904.00
Adding 1 % Insurance . Rs.				1789.00
Adding 1 % W C C Rs.				1789.00
Total Rs.				182482.00
Adding GST @ 18 % Rs.				32847.00
Total Amount Rs.				215329.00

In Words Rs. Two Lac Fifteen Thousand Three Hundred Twenty Nine Only.

Estimate Prepared by,

(P.M/Kulsange)  
Sect. Engr.

Estimate Checked by,

(R.M.Saharkar)

Deputy Engineer

Lift Irrigation Mechanical

Sub.Dn. No.5,Mul.

Sanctioned Estimate No. 22-23 Year. 22-23 Dt. 17/04/23  
Amount Rs. 215329. In Words. Two Lac Fifteen Thousand Three Hundred Twenty Nine Only.



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