ABSTRACT

NAME OF WORK :- Overhauling & Rewinding work of Motors of pump No.1,2 and maintenance LT switchgear (LT panel) at Gogaon LIS Ta- , Dist- Gadchiroli

Item No.	Qty	Description of Items	Rate	Unit	Amount
1	1	Overhauling of 3Ph,50Hz, 415V squirrel cage Induction Motor for Pump with replacement of DE & NDE Bearing , including following work. 1)De-Coupling of Motor. 2)Testing of Motor before & after overhauling a)IR & PI Test b)Winding resistance 3)Dismantling all removable cable of motors. 4)Dismantling the Motor from the Starter. 5)Through cleaning of starter and rotor. 6)Varnishing of Starter winding and rotor. 7)Application of Bectol Red on overhauling portion of winding & Bectol Corey on Lore Portion 8)Bearing replacement. 9)Fitment of Motor. 10) Coupling on motor. 11)No load /Load Trial Including labour , Transportation etc. 45 kW (60 HP)	21600	Job	21600
2	1	Rewinding of Vertical Solid Shaft H.T. Motor The Scope of work as follows1) Decoupling, collecting faulty motor from site. 2)To and Fro Transportation of Motor from site to works by the agency.3) Dismantling and checking stator and rotor visualy for any damages, recording resistance, IR values.4)Thorough Cleaning of all stator winding, rotor and assembly components.5)Dismantling of all coils and recording all dimensions.6) Procurement of insulated class F copper conductors as per design and all insulating material.7) Manufacturing new coils as per design and rewinding of stator.8)Supply and fitting of burnt Terminals & insulators. 9) Testing individual coils for resistance, inter turn, HV,Tan delta10)Testing of stator windings for resistance, inter turn, HV,Tan delta11)Heating , varnishing and curing windings in oven12) Necessary Repairs and Dynamic Balancing of rotor.13) If bearings found ok then reassembling the motor.14) If bearings found wornout then Supply & replacement of DE & NDE Bearings. & reassembling the motor.The Cost of of bearings will be paid extra.15) Checking windings IR, Resistance, inductance and surge test for inter turn.16)No load trial with low voltage and recording voltage, current , speed, bearing temperature , vibration etc.17)Painting of motor & despatch to site .18)Reerection at site ,No load & load testing complete.19)Dismantled old scrap material of cu winding ,bearing etc. shall be retained by agency. 45 kW (60 HP)	46000	Job	46000
3	2	Service of expert charges for inspection, checking of logic circuit and fault finding of LT panels up to 11 kV for per panel like Incomer feeder panel, Capacitor feeder panel, Motor feeder panel etc. as per site conditions.	6000	Job	12000
4	2	Supplying and replacing contactor for motor starter suitable from 55 HP to 60 HP	10086	Each	20171.8
5	3	Service of expert charges for inspection, checking of logic circuit and fault finding of Control panel up to 11 kV as per site conditions	6000	Job	18000
				Total Rs. =	**117771.8**
				Add 18% GST Rs. =	**21198.92**
				Sub-Total Rs. =	**138970.7**
				Grand Total Rs. =	**138971**

(Amount in words Rs. One Lakh Thirty Eight Thousand Nine Hundred Seventy One only)

Prepared By :-

(N K Pathade)
AE-2

Checked By :-

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Deputy Engineer
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Sub-division No.2, Chandrapur

Sanctioned Estimate No. 58 Year 2026-27 Dt. 03-11-2026
Amount Rs. 138971 In Words one lakh thirty eight thousand Nine hundred seventy one only.

Executive Engineer
Mechanical Lift Irrigation