

Government of Maharashtra

Water Resources Department

Superintending Engineer, Mechanical Circle, Kolhapur

Budgetary offer for the following Work of Capacity augmentation and Replacement of Stator Core with Rewinding of Motor Set For Mhaisaland Takari Lift Irrigation Scheme are invited by the Executive Engineer, Takari Mechanical and Electrical Division, Sangli -416 415 Phone No. 0233-2302932 on behalf of Governor of Maharashtra for estimation purpose from the Original manufacturer

The details and short specifications for the purchase of machineries/equipment's are available in the Division Office. Interested Agencies are requested to go through the details and send the budgetary offers for proposed equipment. The rates should cover all taxes and duties applicable. The rates should be given with basic price and tax loading. The interested parties are requested to quote the offer up to 15/7/2025. Further it is requested to forward relevant Technical literature, brochures of equipment's and your comments if any in this matter. For detailed specifications of equipment's if required, please contact to this division office.

Sr No	Description.	Quantity in No's
1	Replacement of the Stator Core along with Rewinding of 3Ph,50Hz,6.6kv squirrel cage Induction Motor Replacement of Radiator Core & Rewinding of Vertical Solid Shaft H.T. Motor The Scope of work as follows 1) 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 visually 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) Dismantling the Stator Core and Designing the Core as per the OEM Standards so that there should not be any deviation in Eddy Current loss and iron Loss as per Manufacturers Standards 8) Stator if Required and Permits increase the Capacity of the Motor by at least 5% with Higher Efficiency and Operating Curves 9)	

	Stator Core and Rotor Assembly should be Designed in such a way that It should have near about same efficiency as per the Manufactures Standard 10) Manufacturing new coils as per design and rewinding of stator. 12)Supply and fitting of burnt Terminals & insulators.11) Testing individual coils for resistance, inter turn, HV,Tan delta13)Testing of stator windings for resistance, inter turn, HV,Tan delta14Heating , varnishing and curing windings in oven 15) Necessary Repairs and Dynamic Balancing of rotor.16) If bearings found ok then reassembling the motor.17) If bearings found wornout then Supply & replacement of DE & NDE Bearings. & reassembling the motor. The Cost of of bearings will be paid extra.18) Checking windings IR, Resistance, inductance and surge test for inter turn.19)No load trial with low voltage and recording voltage, current , speed, bearing temperature , vibration etc 20) in case of Capacity Augmentation Necessary Provisions should be done in cooling Lines to accomodate extra heat loss .20)Painting of motor and despatch to site .21)Reerection at site ,No load & load testing complete.22)Dismantled old scrap material of cu winding ,bearing etc. shall be retained by agency .	
2	1315 KW	1
3	536 KW	1
4	634 KW	1
5	788 KW	1
6	1005 KW	1
7	880 KW	1

This information is required for the purpose of framing of working estimates and hence the urgency.

No. TMEDS/TS-1/ 1054 /2025
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