

Government of Maharashtra,
Water Resources Department.
Superintending Engineer, Mechanical Circle, Kolhapur

Budgetary offer for the following work (*Non DSR items*) are invited by the Executive Engineer, Mechanical Division, Satara-415003 Phone No. 02162-246029 on behalf of Governor of Maharashtra for estimation purpose from the eligible HT Motors Manufacturers/contractors.

The Government of Maharashtra, Water Resources Department, has undertaken the work of **Rewinding of 6.6 KV , 3Ph ,50 hz ,1000 RPM ,635 KW, vertical solid shaft Crompton make Induction Motor at Vasana Stage -I..** The details and short specifications of items on the basis of preliminary calculations are available on the website mentioned below.

It is requested to send the budgetary offer mentioning item wise rates with rate analysis for the same. The rates should without GST and duties. The offer should reach this office within on or before 16.09.2019 on email. Further it is requested to forward relevant Technical literature, brochures of equipments and your comments if any.

Sr. No	Name of work	Qty	Remarks
.	Rewinding of HT Motor— Item No.1:- Rewinding of 6.6 KV , 3Ph ,50 hz ,1000 RPM ,635 KW, vertical solid shaft Crompton make Induction Motor at Vasana Stage -I. Scope includes---- 1) Motor will be collected and delivered back after repairs from our works Site along with transportation cost . 2) Dismantling and checking stator and rotor visual for any damages, recording resistance values and IR values.3) Cleaning with water jet and petrol wash of all stator winding rotor and assembly components ,Take up for dismantling of all coils, recording all dimension for manufacturing new coils. checking for the stator contact damages abd replacing if any 4) Conducting Flux loop test 5) fabrication of the coil using double coated fiberglas enameled cooper strip and insulating and moulding of coils with insulation and resin suitable for 7.2 KV 6)Manufacturing coils as per design and rewinding of stator replacing wedges and RTD.also fixing suitable insulators with stud for the winding 7) Testing individual coils for resistance, inter turn, HV,Tan delta.surge Compresion test,PI test 8) Testing of stator windings for resistance, inter turn, HV,Tan deltasurge Compresion test,PI test .9) Heating , varnishing with vaccume impregnation and curing windings in oven.10) dynamic Balancing of rotor.11) If bearings found ok assembling the motor back with applying suitable grease as per manufacturing standard.12) No load trial with low voltage and recording voltage, current , speed, bearing temperature,vibration.13) Painting motor and keeping ready for despatch and assembly of the motor at site testing of motor at workshop as per relevent is and errection,commissioning and testing of the motor at site of work as per relevent IS.	1	Please refer Website for detailed Schedule

	Item No.2:- Cost of damaged Winding Copper scrap after rewinding	Per Kg	
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This information is required for the purpose of framing of working estimates and hence the urgency. This Budgetary offer is also available on website www.mahayantriki.org Bidder is requested to act in given time frame.

No.MDS/PB-2/Vasana LIS/**3974**/2019
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