

(For Estimation Purpose only)**Government of Maharashtra****Water Resources Department.****Superintending Engineer, Mechanical Circle, Kolhapur****Mechanical Division, Satara**

Budgetary offer for the following work (*Non DSR items*) are invited by the Executive Engineer, Mechanical Division, Satara - 415003 on behalf of Governor of Maharashtra for estimation purpose from the reputed Manufacturers/Suppliers.

The Government of Maharashtra, Water Resources Department, has Planned to undertaken the work of **Maintenance & Repair of Junction Gate Hydraulic Hoist (200 M. T. Capacity) of Koyna Hydroelectric Project - Stage 4 in Satara District** The details and short specifications of required items 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 from - **13 / 05 / 2025 to 22 / 05 / 2025** by Post, by Courier, by Hand, with Authorised signature with Stamp. Further it is requested to forward relevant Technical literature, drawing, brochures of equipments and your comments if any.

Sr. No.	Description of item/Job	Qty	Rate	Amount
1)	Inspection, Maintenance and Repair of Power Pack Unit. i) Make : Montan Hydraulic Chennai (2200 Ltr. capacity) ii) Cleaning the Power pack unit and piping completely. iii) Repair all the leakages. iv) Removal and replacement of Solenoid valves, Solenoid switches, Ball valves, Air breathers, suction filter, return line filter element, seals, 'O' rings, Oil level indicators, drain plugs, magnetic float switch, Float level indicator and pressure switch with pressure gauges with all necessary required maintenance work as per detailed Drawing of power pack. vi) Servicing and Maintenance of Hydraulic pumps - 2 Nos., motor - 2 Nos. (30KW, 1475 rpm, S1 duty class F, 3 phase squirrel cage induction) with its allied parts and all required maintenance work.	02 Nos.		
2)	Inspection, Maintenance and Repair of Hydraulic Cylinder Unit. i) Make - Montan Hydraulic Chennai Single Acting cylinder with stroke length of 10000 mm & Bore diam. 420mm, Outer diam. 495mm, Rod diam. 160 mm weight of assembly without oil 8.5 ton, Test pressure Piston side 300 BAR & rod side 10 BAR ii) Thorough external cleaning of hydraulic cylinder, attending minor leakages of incoming /return pipeline with measuring necessary instruments. iii) Remove and replacement of pilot operated check valve its seals and 'O' rings & all necessary mechanical control parts shown in drawing iv) Remove and replacement of hose pipes of cylinder connected through hydraulic pipeline V) Thorough internal checking with the help of probe with its inspection reports also servicing and maintenance of hydraulic cylinder, piston with necessary all required maintenance work.	02 Nos.		
3)	Replacing all pressure line, pilot line, and return line of Hydraulic Power pack & cylinder system. All cold drawn seamless steel (CDSS) piping with chrome plating as per following dimensions with coupling & fitting of carbon steel. Test pressure of 290 bar & working pressure of 189 Bar (as per Drawing) i) Pilot line OD 10mm x 1.5mm = 76000mm ii) Main line OD 25mm x 1.5mm = 76000mm iii) Return line OD 38mm x 4mm = 10400mm iv) Cylinder to prefill tank line OD 50 mm x 2.5 mm = 14000 mm	01 Set		

4)	Supply of OEM mechanical control parts as per Hydraulic circuit. 1) Suction strainer SC3-030-BSP-149 – 05 Nos. 2) Air breather TB 35 – 01 No. 3) Level Gauge LG2 - 10" – 01 No. 4) Oil Level Trans.Hose-1/2"- 1m + shutoff valve 1/2" – 01 No. 5) Float switch FGSI-C-110-1WW, 1 1/2"BSP m , Stem length- 1150mm, switching length - 1000 mm. – 01 No. 6) Return line filter, CFR-250-12-B-10-ER – 01 No. 7) Drain Valve Ball type 1"BSP – 01 No. 8) Flexible coupling HYDA48 – 02 Nos. 9) Inline check V/V, CIT-10-5-2080 – 02 Nos. 10) Inline check V/V, CIT-03-5-2080 – 01 No. 11) Pressure Switch IPS-350-30 – 01 No. 12) Single Station gauge isolator GIP-G1/4"(F) Panel – 01 No. 13) Pressure relief valve, BSG-06-2B3B-A240-N1-4680 – 01 No. 14) Pressure gauge 0-400 Bar, Glyfilled 6" dial, 3/8", BCPM – 01 No. 15) Thermostat 5-90 deg C., diam. 8 mm, stem 275 mm Temperature Gauge 4" dial, 0-120 deg C. , stem -1100 mm, 1/2" BSP - 01 No. 16) Check Valve CRG-06-05-50 – 01 No. 17) Poppet D. C. Valve DSLG-01-3-O-R200-N-10 – 01 No. 18) Damper 1/4"Fx1/4"M – 02 No. 19) Shut Off Valve 1 1/4" – 02 No. 20) Relief Valve BT-06-P-3280 – 01 No. 21) Cartridge Valve LD-16-05-S-1-X-05-12 – 01 No. 22) Port Relief Valve YBG-01-250-1080 – 01 No. 23) Shut Off Valve (Ball Valve) 1 1/2"BSP, 20 Bar – 03 Nos. 24) Shut Off Valve 1 1/4", 200 bar – 02 Nos. 25) Shut Off Valve SML-10T-10 – 02 Nos.	02 Set		
5)	Rates for removing & replacement of Hydraulic cylinder & their internal parts by means of heavy duty cranes, labor, sundry material etc.	02 Nos. /Job		

TERMS AND CONDITIONS –

- 1) The rates quoted should be inclusive of all Material, labour, Machining, loading, unloading, transportation, erection, commissioning with test & trial. Etc. but excluding GST.
- 2) This budgetary offer is called for estimation purpose only.

This information is required for the purpose of framing of working estimates and hence urgency. This Budgetary offer is also available on website www.wrd.maharashtra.gov.in Bidder is requested to act in given time frame.

No. MDS/PB-2 / 1267 /2025

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Date - 05 / 05 /2025

(A. R. Kalmegh)
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