

Government of Maharashtra
Water Resources Department
Executive Engineer, Takari Mechanical & Electrical Division ,Sangli

Budgetary offer for the following work (Non DSR items) are invited by the Executive Engineer, Takari Mechanical and Electrical Division, Sangli -416415 Phone No. 0233-2302932 on behalf of Governor of Maharashtra for estimation purpose from the Reputed Agencies /Contractor/OEM(Original Equipment Manufacturer).

The brief of work is given below. Interested Agencies are requested to go through the details and send the budgetary offers for proposed work. The rates should cover all taxes and duties applicable. The interested parties are requested to quote the offer up to 20/06/2019. Further it is requested to forward relevant technical literature, brochures of equipments and your comments if any in this matter. For detailed specifications of equipments and scope of work involved if required, please contact to this division office on (0233-2302932).

Sr no	Description of work	Qty	Unit	Rate	Amount
	Repairs to HOPD valves of size 1000 mm/1200 mm @ Mhaial stage 1,2 and 5 as per actual site conditions.				
A	Hydraulic system-				
a	Repairs to hydraulic system of powerpack unit with dismantling, Assembling & providing Necessary spares with material, labor including all taxes.				
b	Replacing damaged O rings, oil seals & filters.				
c	Replacing all damaged components of relief valves, flow control valves, solenoid valves & throttle valves & setting.				
d	Drain out old used oil from oil tank of power pack unit, cleaning the oil tank, filling new oil filter, filling new fresh 100litre oil of servo 68 type in tank with labor and all taxes. (Servo-68 oil-100litres supply by dept)				
B	Mechanical work				
	Design, modify, Manufacture, supply, replacing present mechanism of dead weight and bracket assembly, hydraulic cylinder for smooth functioning of HOPD valve with material and labor charges with all necessary test and trials.				

Note:-

- 1) 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.gov.in
- 2) Material of construction should be as per standard DTP of Mechanical Organisation WRD Maharashtra.
- 3) Scope of work-
 - i) Dismantling of hydraulic assembly with complete valve from pipe line.
 - ii) Transportation of valve to factory.
 - iii) Dismantling of hydraulic assembly.
 - iv) Dismantling of complete valve.
 - v) Grinding and finishing of all components.
 - vi) Replacement of all rubber components.
 - vii) Replacement of damaged keys, pins, bearing bush, gun metal components.
 - viii) Replacement of clamping fasteners.
 - ix) Replacement of drive end (DE) fasteners, Non Drive(NDE) fasteners, DE-NDE covers.
 - x) Assembly of valve.
 - xi) Hydrotesting of valve.

- xii) Replacement of old hydraulic assembly with new.
- xiii) Movement test of 1000mm butterfly valve with new hydraulic assembly.
- xiv) Transportation of butterfly valve with new hydraulic assembly to Site.
- xv) Erection and commissioning of butterfly valve with new hydraulic assembly.

(S.N.Rokade)

Executive Engineer

Takari Mech.& Electrical Division, Sangli

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Sr no	Description of work	Qty	Unit	Rate	Amount
	Replacement of existing gear box and electric actuator assembly & Refurbishment of 1000mm/1200mm Butterfly valve@ Mhaisail stage III & IV.				
1	Replacement of gear box-actuator assembly.				
2	Refurbishment of Butterfly valves with replacement of all rubber components, fasteners, removing of pins. keys. assembly, Hydro-testing, painting, removal & fitting of valve on site.				

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- 2) Material of construction should be as per standard DTP of Mechanical Organisation WRD Maharashtra.
- 3) The scope of above work is given below:
 - i) Dismantling of existing BFV mechanical actuator assembly with complete valve from the delivery line with available EOT crane.
 - ii) Design, manufacturing and erection of new BFV mechanical actuator assembly on delivery line with modification of delivery pipe if any. This work includes replacement of hydraulic single acting cylinder, modified linkages and dead weight available to be used with any modification required.
 - iii) Testing and commissioning of BFV mechanical actuator assembly at site.
 - iv) The GA Drawing and detailed drawing of new BFV mechanical linkages of actuator assembly should be submitted with offer.
 - v) For framing budgetary offer, site visit if any required will be arranged and contact details are as below.

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Sr. No.	Description	Qty	Unit	Rate	Amt.
	Repairs to Dia.1000 mm Hydraulically operated Pump Discharge Valve (H.O.P.D.) by replacing seals with new EPDM Seals including material, labour, workshop charges, sundry material, handling charges, transportation, test and trial etc. complete job at site with Overhauling, servicing i.e. dismantling & reassembling, seal fitting by new one with necessary SS screw to disc, flange rubber Gaskets, hose pipe at Mhaisal LIS Stage I & II				
1	Removing of saddle support welding by gas cutter				
2	Removing of Dia 1000 mm Hydraulically operated Pump Discharge Valve from delivery pipe				
3	Dismantling Of Butterfly Valve, Rubber, Clamping disc etc.				
4	Replacing of following damaged parts including all taxes, transport etc.				
	1) EPDM rubber Seal				
	2) SS Bolt with Spring Washer M10 X 50				
	3) Rubber Gasket at Flange				
	4) Hose pipe 3 Mtr Length				
	5) H.T. Nut Bolt M30 X 150mm Length with double Spring				
5	Assembly of Dia 1000 mm Hydraulically operated Pump Discharge Valve replacing above Spares				
6	Re-eraction of Hydraulically operated Pump Discharge Valve to attach delivery pipe with Gasket				
	Grand Total Rs				

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