

### Abstract

**Work :-** Providing & fitting new Booster Pump & pipe line ,repairing of pressure filters & repairs to leakages to Ø 200 mm KAV with sluice valve at Khadakpurna LIS stage - 3 Dist.Buldhana during 2025-26.

Description of Items/work		Qty.	Rate Rs.	Amt. Rs.
<b>Kinetic Air Valve with isolating valve ( As per Annexure - I )</b>				
1	Providing spares as per IS14845:2000 like ball for low pressure & high pressure chamber ,low pressure & high pressure seat for repairs to leakages through KAV with isolating sluice valve of size Ø 200 mm PN-1.6 located on delivery pipe & rising main pipe Total Qty.05 no.As per list attached	1 ✓	job 37500 ✓	37500 ✓
2	Providing spares as per IS 14846:2000 like gland,stem nut & cover for repairs to leakages through isolating sluice valve of size Ø 200 mm PN-1.6 located on delivery pipe & rising main pipe.Total Qty.05 no.	1 ✓	job 7220 ✓	7220 ✓
3	Providing Flange gasket for flange jointing of Ø 200 mm KAV & isolating Sluice valve .Total Qty.05 no. KAV & ISV	10 ✓	no 254 ✓	2540 ✓
4	Labour charges for removing & refitting of Air valve/Kinetic Air Valve/ Tamper proof air valve/ surge supression air valve having P.N -1.0 & 1.6 rating as per manufacturers instruction manual with all tools,tackles,lifting equipments	5 ✓	no 2130 ✓	10650 ✓
5	Labour charges for removing & refitting of isolating sluice valve for gasket replacing having P.N -1.0 & 1.6 rating as per manufacturers instruction manual with all tools,tackles,lifting equipments etc.including lifting charge	5 ✓	no 2130 ✓	10650 ✓
6	Labour charges for repalcement of large orifice / small orifice float, cover plate, seat ring of Air valve /Kinetic Air Valve /Tamper proof air valve/surge supression air valve having P.N -1.0 & 1.6 rating as per manufacturers instruction manual with all tools,tackles,lifting equipments etc.including lifting charge	5 ✓	no 884 ✓	4420 ✓
7	Painting - Providing and applying anticorrosive coal tar black paint IS 290-1961 in two coats including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed. Ø 200 mm KAV - 5 no. & Ø 200 mm isolating sluice valve	10.00 ✓	m2 352.05 ✓	3521 ✓
8	Painting - Providing and applying anticorrosive coal tar black paint IS 290-1961 in two coats including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed. Painting of MS pipe Ø 200 mm :- KAV & isolating sluice valve rest pipe	1.26 ✓	m2 352.05 ✓	444 ✓
<b>B New providing &amp; fitting new Booster pump ( As per Annexure - II )</b>				
1	Supplying, erecting, testing and commissioning of minimum three & above star rated centrifugal water pump (monoblock), 415 V, three phase, 50 Hz, A.C. supply of 5.625/7.5 HP with discharge 1380/660 lpm for head of 24/72 m and 65 mm suction/50 mm delivery pipe on provided CC foundation as per specification no. WP-CGP.	1 ✓	no 38733 ✓	38733 ✓
2	Supplying, erecting, testing and commissioning of automatic control panel for three phase, 415 V, A.C. supply submersible/centrifugal pump set for 7.5 HP to 10 HP consisting of D.O.L. starter having relay range 13-21 A, S.P.P., combined ammeter/voltmeter, phase indicating lamp enclosed in CRCA powder coated vibration proof enclosure with IP54 protection with single phasing, phase reversal, phase imbalance, etc.	1 ✓	no 7591 ✓	7591 ✓
3	Supplying and erecting GI pipe 50 mm dia 'C' class position with accessories complete as per specification no. CW-PLB/GP.	12 ✓	m 680 ✓	8160 ✓
4	Supplying and erecting 50mm dia. ball type foot valve having CI body lined with FRP from inside and synthetic rubber coated reinforced, nitrile rubber ball, leaded tin bronze, FRP sheet, carbon steel fasteners, CI/MS strainer complete.	1 ✓	no 1820 ✓	1820 ✓
5	Providing double flange sluice valve confirming for IS- 14846 including worn gear arrangements as per test pressure, stainless steel spindle, caps, including inspection charges, transportation upto departmental store, unloading, stacking excluding GST levied by GOI & GOM in all respect etc Dia.50 mm PN-1.6	2 ✓	no 5261 ✓ 6313	10522 ✓ 12626
6	Providing and supplying ISI mark CI D/F reflux valves (non-return valves ) of following dia including railway freight, inspection charges, unloading from railway wagon, loading into truck, transportation upto departmental stores, unloading, stacking excluding GST levied by GOI & GOM in all respect etc. complete.Dia.50 mm PN-1.6	2 ✓	no 3237 ✓ 3986	6474 ✓ 7927

7	Supplying, erecting & terminating FR XLPE insulated, galvanised steel wire armoured (round) cable 1100 V, 3 core 6 sq. mm. copper conductor complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-17/CU	13	m <sup>2</sup>	318	4124
8	Providing foundation for booster pump with chnnel size 100 mm x 50 mm x6 mm = 1.8 m with all machinery and labours complete job	1	job	9671 3698	9671 3698
<b>C Repairs to leakages through pressure filter ( As per Annexure - III )</b>					
1	Providing, erecting Pressure gauge of required range complete with syphon tube, isolating cock suitable. Pressure gauge Bourdon's type 100 kgf/cm <sup>2</sup> of 150 mm dia).	5	no	855	4275
2	Rapid sand gravity filter Gravel at source. Filter I D -580 mm Ht.1.5 m Qty 4 nos filter	6.33	Cum	2185	13831
3	EPDM Gaskets for Pressure filter flanged joints.700 mm flange size of one pressure filter	8	no	975 1534	7800 12272
4	Providing double flange sluice valve Sluice valves/Ball valve - 50 mm dia - PN -1.6 Without bye pass	4	no	6313	25252
5	Lowering, laying and jointing in position of all new & old valves during repairing of following C.I.D/F Reflex valves, Butterfly valves and Sluice valves / Ball valves ncluding cost of all labour jointing material, including nut bolts and giving satisfactory hydraulic testing etc. complete. (Rate for all class of valves.)Sluice valves/Ball valve - 50 mm dia - PN -1.6 Without bypass arrangement	16	no	933	14928
6	Labours required for pressure filterRepairs by cutting , dismantling all nuts & bolts ,flange joints,Valves ,pressure gauges,air valve,MS pipeline connection (inlet, outlet, backwash and air removing connection). Handling MS pipe ,Removing the old Rapid sand & filling new sand Dismantling and removing metal sheet, Removing Mud, foreign materials, cleaning the corrosive portion of internal and external surfaces, Refitting nut & bolts of joints ,Welding of M.S pipe For 4 No. of pressure Filter following labours are required - Helper & fitter	4	Nos	3248	12992
7	Providing and applying anticorrosive coal tar black paint IS 290-1961 in two coats including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed. Painting of pressure filter inside & outside surface of filters with pipe line including surface preparation ,paints & labour with double coat of paint	61.5	M <sup>2</sup>	352.05	21651
8	Rent for chain pully block with tripod for lifting Pressure filter assly	4	days	614	2456
<b>D Transportation ( As per Annexure - IV )</b>					
1	Distance from nearest district Jalna to Khadakpurna LIS stage - 3 & back to Jalna Rate reff machinery use arte 2024-25 by 7.5 MT capacity truck	115	Km	53	6095
				Total	273329.21
				Adding WCC @ 1 %	2733.29
				Adding Insurance @ 1 %	2733.29
				Adding GST @ 18 %	49199.26
				Say Total	327995

(Rs. Three Lac Twenty Seven Thousand Nine Hundred Ninety Five Only)

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WAC/2024/Estt/161  
EE/MD/IAK/2026  
Date: 26/02/2026  
Say for Rs. 3,37,217/- (three lac thirty seven thousand seven hundred and sixteen only)

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