

ABSTRACT

Name of work : - Fabrication & fitting of new M.S flanges for fitting of REJ - 3 nos. and alignment of delivery pipe line at Khadakpurna LIS stage - 3 Dist.Akola during 2025-26

S.N	Description of work	Qty		Rate Rs.	Amt Rs.
1	Item No.1 - Rubber Expansion Joint - 2 nos Ø 900 mm Labour Charges for Removing of old Rubber Expansion Joint / Dismantle joint/ Metallic Expansion Joint with gasket changing having P.N-1.0 & 1.6 . This include replacing of gasket, all tools & tackles,welding,machinery	2	no.	3215	6430.00
2	Item No.02 - Butterfly Valve - 3 nos Ø 900 mm Labour charges for removing and refitting of butterfly valve having P.N-1.0 & 1.6 rating from pipe line for repairs.This include replacing of gasket, all tools & tackles,welding,machinery.	3	no.	12245	36735.00
3	Item No.03 - Non Return Valve - 3 nos Ø 900 mm Labour charges for removing and refitting of Non return valve having P.N-1.0 & 1.6 rating from pipe line for repairs.This include replacing of gasket, all tools & tackles,welding,machinery.	3	no.	12845	38535.00
4	Item No.04 - Providing rubber Gasket EPDM for 900 mm dia BFV ,NRV,REJ and pump discharge pipe flange	19	no.	2532	48108.00
5	Item No.05 Fabrication of M.S Flange , Required Qty.6 Nos				
	Fabrication of flange from MS plate Flange OD 1190mm ID 920 mm PCD 1085 mm Hole dia.35 mm No.of holes 28/flange				
	1.Gas cutting pipes plates in to circular shape flange	39.75	mtr	408	16218.00
	2.Gas cutting holes up to 50 mm dia thickness , Hole 28 no/flange,hole dia 35 mm , no of flanges 6 no.	161	no.	168	27048.00
	3.Machining & finishing of Flange holes by radial drilling pillar type machine Total 168 Holes , Dia 35 mm	17	Hrs	68	1156.00
6	Item No.06 Fabrication of M.S cover plate for rubber flange of REJ Required Qty.6 Nos ,MS plate Flange OD 1190mm ID 920 mm PCD 1085 mm Hole dia.35 mm No.of holes 28/flange , Thick 10 mm with material labour machinery complete job .	210.64	kg	192	40442.88
7	Item No.07 M.S Flange Joint fabrication and making.				
	Providing and making flanged joints to M.S. pipes of all classes/specials etc. including cost of machine labour and sundry material etc.complete.fabrication of Flange over distance piece so as to make a distance piece Flange ID 920 mm,Weld joint inner & outer side of flange 2 no./flange ,total weld length 5.78 mtr/flange ,Flange joint 6 nos	34.67	mtr	1414	49023.38
	Item No.8. Cutting & welding of existing distance piece fitted near BFV for fitting near pump flange Distance piece OD920 mm , thick 10 mm , Qty.3 nos. OD cutting length 2.89 mtr/pipe				
8	Welding of delivery distance pipe piece for alignment & proper fitting of Valves Distance piece OD920 mm , thick 10 mm , Qty.3 nos. OD cutting length 2.89 mtr/pipe	8.67	mtr	149	1291.83
	Welding in all positions with required number of runs, for M. S. pipes internally and / or externally including gauging wherever necessary, fixing appurtenances and other accessories in connection with pipe laying work as per specification.	8.67	mtr	1414	12259.38
9	Item No.9. Lifting in office premises , Loading in vehicle and unloading 25 mm thick MS plate				

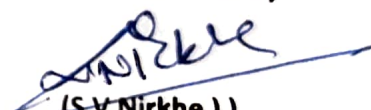
1	Crane charges				
2	Helper Charges	6	hrs	1879	11274.00
		2	day	622	1244.00
3	Cutting of MS plate into required size of pieces in the office W 1.2 m , L-7.2 m Thick 25 mm , Total piece 6 nos of 1.2m x 1.2 m size	6	mtr	408	2448.00
4	Truck hire charges for 20 km to 50 km for taking to Workshop for flange making	1	day	3019	3019.00
	Item No.10 Nuts Bolts & washer required for flange joint				
10	28 no/Flange joint Nut size L 130 mm M33 , Bolts M33x3.25 & Washer for nut size L 130 mm M33	168	no.	851.7	143085.60
	Item No.11 Transportation				
11	Distance from Jalna to Khadakpurna LIS stage - 3 & back to Jalna	130	km	51.3	6669.00
Total					444987.07
Adding GST @ 18 %					80097.67
Total					525085

(Rs.Five Lakh Twenty Five Thousand Eighty Five Only)

Estimate Prepared By


(D.M. Murkute)
Sectional Engineer

Estimate checked by


(S.V. Nirkhe)
Deputy Engineer
Gate Mfg & Erection Sub Div No.1
Akola

Sanctioned Estimate No

EE/MD/AK/201-5

Sanction for Rs. 5,25,085/- (Rs five lakh twenty five thousand only eighty five only)


Executive Engineer
Mechanical Division
Akola