

Abstract

Name of Work - Repairing and maintenance of HR Gates 2.4 x 1.8 m - 1 no, stem hoist of cap 15 MT - 1 no. at Lower Dyanganga
Project Tah.Khamgaon Dist.Buldhana during 2025-26

SN	Description of Item / Work	Qty		Rate Rs.	Amount Rs.
	HR Gate				
1	Dismantling of Roller type Gate leaf of size 2.4 x 1.8 m Mtr (above 20 MWH upto 30 MWH) and hoist assembly- 1 No. lifting of the same up-to Platform for Repair work and lowering on Sill Beam. Complete job including cost of sundry material and labour charges, with leads & lifts at site etc complete. As per RA 1	1	No	29856.61	29856.61
2	Dismantling, Cleaning of Track Rollers (4 Nos), of Roller type HR Gate of size 2.4 x 1.8 M - 1 No. Refitting with M. P. Grease. Complete job including cost of Material (sundry) material machinery and labour charges. As per RA 2	1	no	109573.00	109573.00
	SKF Sherical roller bearing No.22220E	4	no		
3	Dismantling of Damaged Side Rubber seal - 1 Mtr from Gate Leaf & fitting of new Musical note type Side rubber seal (confirms to IS: 11855 / 1986 (Updated)) with M-16 x 100 mm long Nut Bolts - 13 Nos (per mtr) Complete job with Material, Sundry material, and labour charges, with leads & lifts at site etc complete. (Total length of Side rubber seal = (Height + 0.200 mtr) As per RA 3	1	No	28376.96	28376.96
	Plain Musical Note type Side Rubber Seal 45 mm dia x 120 mm x 20 mm, Total Length = 1.8+0.2 mtr/side = 2 mtr / side & For Two side length = 2*2 = 4 mtr				
4	Dismantling of Damaged Top Rubber seal - 1 Mtr from Gate Leaf & fitting of new Double Stem type Top rubber seal (confirms to IS: 11855 / 1986 (Updated)) with M-16 x 100 mm long Nut Bolts - 13 Nos (per mtr) Complete job with Material, Sundry material, and labour charges, with leads & lifts at site etc complete. (Total length of Top rubber seal = Width + 0.200 mtr) As per RA 3	1	No	20495.93	20495.93
	Plain Double Stem type Top Rubber Seal 45 mm dia x 130 mm x 20 mm, Total length = 2.4 + 0.2 mtr = 2.6 mtr.				
5	Dismantling of Damaged Bottom Rubber seal - 1 Mtr from Gate Leaf & fitting of new Plain Flat type Bottom rubber seal (confirms to IS: 11855 / 1986 (Updated)) with M-16 x 100 mm long Nut Bolts - 13 Nos (per mtr) Complete job with Material, Sundry material, and labour charges, with leads & lifts at site etc complete. (Total length of Bottom rubber seal = Width + 0.200 mtr)	1	No	14611.06	14611.064
	Plain Flat type Bottom Rubber Seal 82 mm x 20 mm, Total length = 2.4 + 0.2 mtr = 2.6 mtr.				
6	Manufacturing, Providing and supplying M18x60L M.S. Nut & Bolts & Washers- 12 nos	1	no.	219.98	219.98
7	Manufacturing, Providing and supplying Grease Cap 3 No & Key 1 No.	1	no.	468.06	468.06
8	Cleaning of square threaded and v- threaded portion of Stem rods by Cleaning agent and applying M. P. Grease to threaded portion of Canal Gate of size above 0.90 x 0.90 Mtr to 1.5x1.5 Mtr - 1 No. Complete with cost of material and labour charges with leads & lifts at site etc complete, As per RA 3	1	no.	3524.90	3524.9
9	Transportation of matrial machinery and labours at sit for work at Lower Dyanganga Project Tah.Khamgaon Dist.Buldhana for 1 trip distance = 120 km. As per RA 4	240	km	53.53	12847.20
	For 2 trip distance	240	Km		
10	Under Water Cutting and Welding Charges per day including cost of material, sundry material and labour charges with leads & lifts at site etc complete as per drawings, specifications and or instructions of concern in charge For 2 days. As per RA 5	1	no.	61288.82	61288.82
11	Providing and applying anticorrosive Coal Tar black IS 290-1961 paint for upstream side in two coats Including surface preparation, chipping the welding, cleaning spatters, dust etc. Complete as directed. As per RA 6	124	m2	352.05	43654.20
	Skin plate assembly	27.58	m2		
	Ebedment Block out	74.72	m2		
	Guide Bracket & channels	21.72	m2		
12	Checking & tightening of various Nuts Bolts & replacing damaged ones of, RGB, motor, brake drums & couplings As per RA 7	1	no.	3216.53	3216.53
	Helper (Semiskilled Mazdoor)	1.00	No		
	Electrician	1.00	No		
	Fitter	1.00	No		
	Rubber Hand Gloves	1.00	Pair		

13	Straightening of Stem Rod - 1 No. of Canal Gate of size above 0.90 x 0.90 Mtr to 1.5x1.5 Mtr by using hydraulic press machine. complete with machinery charges with leads & lifts at site etc complete, As per RA 8			1	no.	3339.06	3339.06
14	Removing Old Cardium Compound of Wire rope of 15 MT cap hoist of Emergency Gate of size 2.4 x 1.8 M - 1 No. by cleaning agent & Applying new Cardium Compound (Servocoat 140) - 7 Kg, including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge. As per RA 9			1	no.	8579.05	8579.05
	Mazdoor (Heavy) - Helper	2.00 No					
	Filter	1.00 No					
	Electrician	1.00 No					
	Cardium Compound SAE140	7.00 Kg					
	Wire brush	1.50 No.					
	Polish paper	1.50 No.					
	Cleaning agent	4.00 Ltr					
	Plain Cloth	0.40 Mtr					
	Cotton waste	1.20 Kg					
						Total	340051.37
						Add Insurance @ 1 %	3400.51
						GST @ 18 %	61209.25
						Net Total	404661

Rs. Four Lakh Four Thousand Six Hundred Sixty One 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/2025. Dt.
Sanction for Rs. 4,04,661/- (Rs four
lakh four thousand six hundred
hundred sixty one only)


Executive Engineer
Mechanical Division
Akola