

Estimate for Repair of Service Gate size 1.2x1.2 Mtr -2 Nos and Emergency Gate Of Size 1.2x1.2Mtr-1 Nos @Nirguna Project Under Executive Engineer, Akola Irrigation Division, Akola

ABSTRACT

Qty	Unit	Sr No	Description	Rate	Per	Amount
Service Gate 1.2x1.2 mtr - 2 Nos						
2	No	1	Dismantling of Roller type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 Mtr (upto 20 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 Material (Nonconsumable) material and labour charges, with leads & lifts at site etc complete	26230.71	/Nos	52461.42
2	No	2	Dismantling & Cleaning of Track Rollers (4 Nos), of Rollertype Gate of size 0.9 x 0.9 M / 1.2 x 1.2 Mtr (upto 20 MWH) -1 No.. Refitting with M.P. Grease 2 Kg. Complete jobincluding cost of sundry material and labour charges, withleads & lifts at site etc complete . (Excluding Cost of NewBearing / Bush, Ref. Jobwork DSR / Bearing price list)	17769.94	/Nos	35539.88
2	No	3	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,	3524.90	/Nos	7049.8
3	No	4	Straightening of Stem Rod - 1 No. of Canal Gate of size above0.90 x 0.90 Mtr to 1.5x1.5 Mtr by using hydraulicpress machine. complete with machinery charges with leads& lifts at site etc complete,. (Excluding cost of material and labour)	3339.06	/Nos	10017.18
Supplying and fitting new,Supplying and Fitting Side,Bottom & Top Rubber seal						
2	No	5	A) 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-12x75 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 = (1.2 + 0.2 = 1.4mtr)(For both Side= 1.4x2 = 2.8 mtr) Plain Musical Note Type Top Rubber seal 32mm x 75mm x 16mm	18070.92	/Nos	36141.84
			B) 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-12 x 75 mm long NutBolts - 13 Nos (per mtr) Comp'ete job with Material, Sundry material, and labour charges, with leads & lifts at site etc complete . (Total length of Top rubber seal = (1.2 + 0.2 = 1.4mtr) Plain Double Step Type Side Rubber seal 32mm x 105mm x 15mm	9787.71	/Nos	19575.42
			C) 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) with M-12 x 75 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 = (1.2 + 0.2 = 1.4mtr) Plain Flat Type Bottem Rubber seal 82mm x 16mm	7342.90	/Nos	14685.80
Emergency Gate 1.2x1.2 mtr - 1 Nos						
1	No	6	Dismantling of Roller type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 Mtr (upto 20 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 Material (Nonconsumable) material and labour charges, with leads & lifts at site etc complete .	26230.71		26230.71
1	No	7	Dismantling & Cleaning of Track Rollers (4 Nos), of Rollertype Gate of size 0.9 x 0.9 M / 1.2 x 1.2 Mtr (upto 20 MWH) -1 No.. Refitting with M.P. Grease 2 Kg. Complete jobincluding cost of sundry material and labour charges, withleads & lifts at site etc complete . (Excluding Cost of NewBearing / Bush, Ref. Jobwork DSR /	17769.94	/Nos	17769.94

1	No	8	Removing Old Calcium Compound of Wire rope of 10 MT cap hoist - 1 No by cleaning agent & Applying new Calcium Compound (Servocat 140) - 7 Kg 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.	5102.98	Nos	5102.98
1	No	9	Draining of Old Oil from RGB & filling with new gear oil G.V 90-7 Ltr. Cleaning gear train by removing old grease & Applying M.P. Grease - 3 Kg to Gear train. Pedestal, Drum axle of 10 MT cap Hoist-1 No. Complete job with cost of material, sundry material & labour charges.	4660.02	Nos	4660.02
1	No	10	Checking and Tightening various Nut Bolts & Replacing damaged ones of pedestals, RGB Motor Brake Drum and Coupling of Wire rope type 10 MT cap Hoist-1 No. Complete job with cost of material, sundry material & labour charges.	2369.42	Nos	2369.42
1	No	11	Dismantelling and replacing Single Thrust Ball Bearing of 8 MT Cap. Screw Stem Hoist - 1 No. Complete job with cost of material, sundry material & labour charges.	25904.48	Nos	25904.48
Under Water Inspection Charges per day including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge.						
1	No	11	Under Water Inspection Charges using divers upto 25 Mtr depth (For Emergency Gate)	60650.50	/day	60650.5
1	No	12	Painting of Gate Leaf Assembly, Screw Stem Hoist, EG Hoist Portal Structure, EG Hoist Canopy and Approach Bridge	52574.97		52574.97178
			i) Painting Area of Gate Leaf Assembly, Screw Stem Hoist	54.67		
			ii) EG Hoist Portal Structure	38.52		
			iii) Painting Area of Seafly Grill	25.8218		
			iv) EG Hoist Canopy	32.92		
			v) Painting Area of Approach Bridge	32.8914		
1	No	13	Providing and applying Anticorrosive Coal Tar Black paint to Ladder from Well top to Seal Level & Railing to Well	12456.23		12456.23
			i) Painting of Ladder from Well top to Seal Level & Railing to Well	30.252		
			ii) Painting of Safety gate on Approach Bridge & Railing	5.1304		
Transportation Charges :-						
1	Trip	14	Distance from Nirguna project to Akola and Back = 120 Km Total No Trips During work = 01 No's Total KM during work = 120 km Transportation of fabrication structure/steel by 7.5T Cap 2023-2024.	6423.60	/trip	6423.6
Total						389614.19
Add 1% Insurance						3896.141918
Add 18% GST						70130.55452
Grand Total						463640.89
Say						463641

In Word (Four Lakh Sixty (Seven) Thousand (Three) Hundred only)

Certificates :

- Rates are taken from WRD CSR Mech 2023-24
- The required Materials and skilled labours for such type of work are not available within the division, Hence the above work is proposed for c


(S. Schavhan)
Assistant Engineer II

Sanctioned Estimate No.
EE/MD/AK/2026. n. ...
Sanction for RS 4,63,641/- (In words Rs
four lakh sixty three thousand six
hundred forty one only) *only*

Executive Engineer
Mechanical Division
AKOLA


(S.V. Nikhe)
Deputy Engineer
Gate Manufacturing & erection
Subdivision No. 1, Akola