

Name of Work :- Repairs to 1.2 x 1.2 Mtr Service Gate-02 Nos by way of repalcing rubber seal , greseing , Painting , Repairs to Stem Hoist 12 MT capacity miscellaneous work complete job for Kar project , under Executive Engineer, Minor Irrigation Division, Wardha.

Sr.No.	Description	Quantity		Rate	Amount
MEASUREMENT					
Service Gate 1.2 x 1.2 Mtr-02 Nos and 12 MT Screw Stem Hoist- 02 Nos					
1	Dismantling of Roller type Gate leaf of size 1.2 x 1.2 Mtr (Up to 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 sundry material & labour charges. Ref- RA-01	2.00	/Job	15762.00 ✓	31524.00 ✓
2	Dismantling of Damaged Side Rubber seal from Roller type Service Gate leaf 1.2 X 1.2 Mtr (Up to 20 MWH) & fitting of New Musical Note type Side Rubber Seal 45 mm dia x 120 mm x 20 mm (IS: 11855 / 1986) with Nut Bolts -Complete job with Material, Sundry material, & Labour charges. Reffer RA-02	2.00	/Job	17254.00 ✓ <u>17724.00</u>	34508.00 ✓ <u>35448.00</u>
3	Dismantling of Damaged Top Rubber seal from Roller type Service Gate Leaf 1.2 X 1.2 Mtr (Up to 20 MWH) & fitting of new Double steam type Top rubber seal 45 mm Dia x 150 mm x 20 mm (IS: 11855 / 1986) with Nut Bolts - Complete job with Material, Sundry material, & Labour charges. Reffer RA-03	2.00	/Job	11075.00 ✓ <u>11310.00</u>	22150.00 ✓ <u>22620.00</u>
4	Dismantling of Damaged Bottom Rubber seal from Roller type Service Gate Leaf 1.2 X 1.2 Mtr (Up to 20 MWH) & fitting of new Plain Flat type Bottom Rubber Seal 100 mm x 20 mm (confirms to IS: 11855 / 1986) with M-12 x 75 mm long Nut Bolts Complete job with Material, Sundry material, & Labour charges. Reffer RA-04	2.00	/Job	10092 ✓ <u>10229.00</u>	20184.00 ✓ 20458.00
5	Cleaning , straightening Stiffners and Replacing Dammaged stiffners of Service Gate leaf Size 1.2 x 1.2 Mtr-01 Nos including man , material and Labour charges (Reffer RA-05)	2.00	/Job	15064.00 ✓	30128.00 ✓
6	Manufacturing Providing and fitting New guide brackets to service gate having Size 1.2 x 1.2 Mtr complete job (Reffer RA-06 )	2.00	/Job	7053.00 ✓	14106.00 ✓

7	Providing New Stem Rod 80 mm dia & MS flange to Stem rod having Dia 80 mm 300 mm dia and 25 mm thickness Reffer RA-07	1.00	/Job	21252.00 ✓	21252.00 ✓
8	Removing bend on hydraulic Press machine. Threads Cleaning and refitting of the same. of Rod 80 mm dia - 1 No. of 12 MT capacity Worm and worm wheel type Screw Stem Hoist. Complete job including cost of sundry material, Machinery and labour charges. Reffer RA-08	1.00	/Job	2225.00 ✓	2225.00 ✓
9	Dismantelling and replacing Pedastal Bearings / Pedastal assembly of 12 MT Cap. Screw Stem Hoist - 1 No. complete job with cost of sundry material and labour charges. (Excluding New Material charges Reffer RA09	1.00	/Job	2974.00 <u>3080.00</u>	2974.00 <u>3080.00</u>
10	Dismantelling and replacing Single Thrust Ball Bearing of 12 MT Cap. Worm and worm wheel type Screw Stem Hoist - 1 No. complete job with cost of sundry material and labour charges Reffer RA-10	1.00	/Job	23781.00 <u>25808.00</u>	23781.00 <u>25808.00</u>
11	Cleaning Square Threaded Stem Rod of Screw Stem Hoist 12-MT capacity - 1 No by cleaning agent. Applying M.P. Grade Grease - 5 kg to Square Threaded Portion, hrust bearings. Complete job with material & Labour charges. ( As Per RA-11)	2.00	/Job	3148.00 <u>3248.00</u>	6296.00 <u>6496.00</u>
12	Dismantaling & Cleaning of Track Rollers (4 Nos). of Roller type Service / Emergency Gate of size 1.2 x 1.2 Mtr (Up to 20 MWH) - 1 No. Refitting with M.P. Grease 2 Kg. Complete job including cost of sundry material and labour charges. Reffer RA-12	2.00	/Job	3648.00 <u>3689.00</u>	7296.00 <u>7378.00</u>
13	Job work of removing water & cleaning surface for cutting 12 No's Drain hole of size 25 mm dia on the web of each Horizontal Girder of service gate 1.2 x 1.2 Mtr / Emergency Gate size 1.2 x 1.2 Meter by way of gas cutting including material charges Labor charges ( As Per RA-13)	2.00	/Job	6245.00	12490.00 ✓
14	Draining of Old Oil from RGB & filling with new gear oil GX 90 - 3 Ltr, Cleaning gear train by removing old grease & Applying M.P. Grease - 2 Kg to Gear train, Pedastal, of 12 MT cap Hoist -1 No. Complete job with cost of material, sundry material & labour charges Reffer RA-14	2.00	/Job	4970.00 <u>5061.00</u>	9940.00 <u>10122.00</u>



15	Surface Preparation, Providing & Applying Primer Red Oxide double coat as per IS-101 and Applying Anticorrosive Coal Tar Black Paint (IS 290 - 1961) double coat to Service gate size 1.2 x 1.2 Mtr-02 No's & Emergency Gate having size 1.2 x 1.2 Mtr Total 02 Nos and painting to aproch bridge , hoist bridge , railing etc complete job Refler RA-15	1.00	/Job	23993.00 41622.00	23993.00 41622.00
16	Rental charges for supplying & maintaining 415V, 50 cycles AC generator set 50 to 62.5 KVA capacity with necessary fuel main s, switchgears , accessories complete job with continuous running on load and No load as per requirment for repair and Maintanance , service gate 1.2 x 1.2 mtr etc Ref- RA-16	1.00	/Job	40393.00 40690.00	40393.00 40690.00
17	Transportation from Wardha to Kar Project , Total 70 Km and back to wardha by 4-MT Cap tempo considering 06 No of trips	840	KM	42.00	35280.00
338520 Total:-					360727.00
3385 Add 1% Insurance charges:-					3607.27
Gst 18%:-					43287.24
Total chrages :-					407621.51
Say :-					407622.00

(B.W. Kakde)  
Assistant Engineer-2

(A.S. Bhuyar)  
Deputy Engineer  
Mech-Engg W/S Sub Div No-03  
Wardha

Sanction Estimate No. 96  
MEW DWJNGP/ITS/DI 23/02/2022 Sanctioned  
for Rs. 407622.00 (Rs. Four Lakh  
Two Thousand Eight Hundred Twenty Nine only)

(Signature)  
Executive Engineer  
Mechanical Engineering Workshop  
Division, Sadar, Nagpur.