

महाराष्ट्र शासन, जलसंपदा विभाग (यांत्रिकी)

सामाईक दरसूची (यांत्रिकी) सन 2023-2024

सामाईक दरसूची सन 2023-24 पासून अंमलात येईल. सदर दरसूची सन 2023-24 मध्ये खालील प्रमुख बाबींचा समावेश करण्यात आला आहे.

1) वस्तू व सेवा कर - सामाईक दरसूची सन 2023-24 मधील सर्व बांधकाम साहित्यांचे दर, सर्व यंत्रसामुग्रींचे दर तसेच सर्व बाबींचे दर हे वस्तू व सेवाकर विरहित (Without G.S.T) आहेत. अंदाजपत्रके मंजूर करणाऱ्या सक्षम अधिकारी यांनी प्रचलित दराप्रमाणे वस्तू व सेवाकराच्या दराची अंदाजपत्रकामध्ये Recapitulation Sheet मध्ये तरतूद करावी. शासन परिपत्रक क्रं. TDS-0918/प्र.क्र. 590/2018/ मोप्र -1. 03/03/2023 नुसार कार्यवाही करावी.

2) मजुरांच्या सुविधा:-

शासन निर्णय क्रमांक. डिएसआर-1090/ सीआर-6453/ पीएलएन -3, दि.14.07.1993 नुसार मजुरांच्या सुविधांसाठी दरसूचीतील प्रत्येक बाबीमध्ये 1% तरतूद करण्यात आली आहे.

3) कामगार कल्याण उपकर:-

उद्योग व उर्जा विभागाचे शासन निर्णय क्रमांक बीसीए- 2009/ सीआर-108/ लेबर 7-अ, दि.17.06.2010 नुसार कामगार कल्याण उपकरासाठीची 1% ची तरतूद सामाईक दरसूचीतील बाबीमध्ये दर निश्चित करताना विचारात घेतलेली नाही. अंदाजपत्रक तयार करताना प्रत्येक बाबीच्या दर पृथःकरणामध्ये कामगार कल्याण उपकराची 1 टक्के इतकी तरतूद करण्यात यावी.

4) विमा :-

वित्त विभागाच्या शासन निर्णय क्रमांक विमासं-1008/ प्र.क्र.28/98/ शा.हमी, दि.19/08/1998 नुसार कामाच्या किमतीत विमा करिताची तरतूद सामाईक दरसूचीतील बाबीमध्ये दर निश्चित करताना विचारात घेतलेली नाही. अंदाजपत्रक तयार करताना विमा करिताची 1 टक्के इतकी तरतूद अंदाजपत्रकाच्या गोषवाऱ्यात करण्यात यावी.

5) लोहाचे दर:-

लोह : दरसूची तयार करताना लोहाचे round bar, MS plates, structural steel इत्यादीसाठी दि. 01.07.2022 रोजीचे जॉइन्ट प्लॅन्ट कमिटीचे मुंबईसाठी निश्चित केलेले दर (GST विरहित) विचारात घेतलेले आहेत. लोहाचे दर हे जवळच्या जिल्हा मुख्यालयाच्या ठिकाणचे आहेत असे गृहीत धरून त्यानुसार अंदाजपत्रक करताना वहन अंतर विचारात घ्यावे. अंदाजपत्रक करतेवेळी दर विश्लेषणासाठी त्या त्या वेळी प्रचलीत असलेले जॉइन्ट प्लॅन्ट कमिटीचे मुंबईसाठी निश्चित केलेले दर आणि दर सुचीत विचारात घेतलेले दर यातील फरक विचारात घ्यावा.

6) मजुरांचे दर :-

मजुरांचे दर हे शासन पत्र क्र. संकीर्ण 2020 / (प्र. क्र. 06/20) यांत्रिकी दि. 20/06/2022 नुसार दरसूची सन 2023-24 करिता घेण्यात आले आहेत.

7) साहित्याचे दर :- इतर साहित्यांचे दराकरिता office of the economic advisor ministry of commerce and industry कडून प्रसिध्द केलेले घाऊक किंमत निर्देशांक (indices) विचारात घेतले आहेत. त्या अनुषंगाने सदर संकेत स्थळावरून July 2022 चा Wholesale Price Index (PI) चा वापरून गुणांक काढण्यात आला. सन 2021-22 च्या प्रस्तावीत दरसूचीतील इतर साहित्यांच्या दरांस गुणांक लावून त्याप्रमाणे येणाऱ्या साहित्याच्या दराचा सन 2023-24 च्या दरसूचीसाठी वापर करण्यात आला आहे.

8) यंत्रवापर दर : दरपृथःकरण तयार करताना आवश्यक यंत्र सामुग्रीसाठी मुख्य अभियंता (यांत्रिकी) जलसंपदा विभाग, नाशिक यांचेकडून प्राप्त दर (वस्तू व सेवाकर विरहित) वापरण्यात आले आहेत.

9. सर्वसाधारण बाबी :-

9.1 जलसंपदा विभागा अंतर्गत सर्व यांत्रिकी द्वार निर्माती उभारणी, द्वार दुरूस्ती, द्वार निर्माती कामासाठी सन 2023-24 ची दरसूची वापरण्यात यावी.

9.2 विशिष्ट क्षेत्रातील कामाच्या स्वरूपानुसार विविध दरांमधील अनुज्ञेय वाढ

9.2.1 जनजाती क्षेत्रातील तसेच विशेष कृती कार्यक्रम अशा दोन्ही क्षेत्रांतर्गत एखादे क्षेत्र समाविष्ट होत असल्यास त्या ठिकाणी 10 टक्के इतकी वाढ घ्यावी.

9.2.2 गडचिरोली जिल्हातील सर्व तालुक्यातील कामाकरीता 20 टक्के.

9.2.3 डोंगराळ क्षेत्र (नियोजित विभागाने घोषित केलेले) अंतर्गत एखादे क्षेत्र समाविष्ट होत असल्यास त्या ठिकाणी 10 टक्के इतकी वाढ घ्यावी.

9.2.4 वरील अ.क्र. 9.2.1 ते 9.2.3 या पैकी एकावेळी केवळ एकच तरतूद (Completed Item साठी) अनुज्ञेय राहिल.

9.3 दरसूची अंतर्गत द्वार निर्माती व उभारणी, द्वार दुरूस्ती, कामाचे अंतिम दरसूची अंतर्गत खालील दरचा अंतर्भाव केलेला आहे. २% sundries, 01% labouramineties व 10% Contractors Profit व 10% Overhead Charges 01 % Inspection and quality control charges यांचा अंतर्भाव केलेला आहे.

9.4 वाहतुकी करिता यांत्रिकी घटक भागांचे दर हे नजीकच्या जिल्ह्याचे मुख्यालयाचे ठिकाण आहेअसे गृहीत धरून त्यानुसार अंदाजपत्रक करताना वहनअंतर विचारात घ्यावे.

9.5. वाहतुकीकरिता गृहीत धरण्यात आलेल्या ठीकाण व साहीत्याकरीता आवश्यक वाहन युटिलिटी व्हेयकल, ट्रक ,ट्रान्सपोर्ट, क्रेन यांचे दर आवश्यक क्षमतेनुसार शासनमान्य यांत्रिकी विभागाची यंत्रवापर दरसूचीनुसार गृहीत धरण्यात यावेत.

9.6. कालव्यावरील द्वारे तसेच ल.पा.तलावाच्या द्वार दुरुस्ती अंतर्गत पूर्ण बदलण्यात येणाऱ्या द्वारकळी (Gate Leaf) व स्टेमरॉड यांची अंदाज पत्रकामध्ये स्कॅप रक्कम वजा करण्यात यावी.

9.7. रायझिंग मेनचे जे दर हे स्थापत्य दरसूची सन २०२२-२३ मध्ये नमूद आहेत ते स्थापत्य दरसूची सन २०२२-२३ प्रमाणे घेण्यात यावेत व एक मीटर व पुढील व्यासाच्या नलिकेचे दर हे या दरसूचीनुसार घेण्यात यावेत.

9.8 या दरसूची व्यतिरिक्त कामांसाठी या दरसूचीतील दरां आधारे, मंजूर रेखाचित्राप्रमाणे स्वतंत्र दर पृथःकरण करण्यात यावे व सदर दर पृथःकरणास संबंधीत अधीक्षक अभियंता, यांत्रिकी मंडळ यांची मान्यता घेण्यात यावी.

10) यंत्रक्रिया दर (Machinery Use Rate)

यंत्रक्रिया दर हे यंत्राच्या प्रकारानुसार घेण्यात आले आहेत. सदर दर हे चालु बाजारभावा प्रमाणे सन 2021-2022 मध्ये अधीक्षक अभियंता, यांत्रिकी मंडळ, कोल्हापूर यांनी मंजूर केलेले होते. त्याच दरास चालु भाववाढ नुसार गुणांक गृहीत धरून अंतिम करण्यात आला आहे. सदर दर हे सन 2023-24 दरसूची करिता गृहीत धरण्यात आले आहेत.

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Table No – 01
JPC MARKET PRICE RETAIL FOR JYLY 2022.

Sr. No.	ITEM	(Rs./Tones)	
		Rate Exclusive of GST	Average
1	ROUNDS 12 MM	60008	60008.00
2	ROUNDS 16MM	60008	
3	ROUNDS 25 MM	60008	
4	ANGLES 50 X 50 X 6 MM	58907	58521.50
5	ANGLES 75 X 75 X 6 MM	58136	
6	JOISTS 125 X 70 MM	59525	59334.50
7	JOISTS 200 X 100 MM	59144	
8	CHANNELS 75 X 40 MM	59915	59716.00
9	CHANNELS 150 X 75 MM	59517	
10	PLATES 6 MM	62195	62459.75
11	PLATES 10 MM	61831	
12	PLATES 12 MM	62466	
13	PLATES 25 MM	63347	
14	H.R.COILS 2.00 MM	62941	61799.67
15	H.R.COILS 2.50 MM	61229	
16	H.R.COILS 3.15 MM	61229	
17	C.R.COILS 0.63 MM	69025	68682.00
18	C.R.COILS 1.00 MM	68339	

Table No – 02
LABOUR RATES FOR DSR 2023 – 2024.

अ.क्र.	पद	सामाईक दरसूची मधील समकक्ष पद	प्रतिदिन वेतन दर (रूपये)(सामाईक दरसूची सन २०२२-२३ मधील दरा नूसार)
अ)	मातीकाम व कालवा स्वच्छता		
१	जडयंत्रचालक	वीजतंत्री (Electrician)	६७३
२	अवजड वाहनचालक	कुशल मजुर (Skilled Mazdoor)	६१४
३	हलके वाहनचालक	कुशल मजुर (Skilled Mazdoor)	६१४
४	मदतनीस	अकुशल मजुर(Unskilled Mazdoor)	५६८
५	चौकीदार	अकुशल मजुर(Unskilled Mazdoor)	५६८
ब)	द्वारनिर्मिती उभारणी परिचलन व दुरूस्ती		
१	यांत्रिकी	यांत्रिकी (Mechanic)	६१४
२	जोडारी	जोडारी (Fitter)	६१४
३	सांधाता	सांधाता (Welder)	६१४
४	वीजतंत्री	वीजतंत्री (Electrician)	६७३
५	मदतनीस	अकुशल मजुर (Unskilled Mazdoor)	५६८
क)	उपसा सिंचन योजना		
१	पंप परिचालक	परिचालक (Operator)	६१४
२	इलेक्ट्रीशियन (विद्युत यंत्रणा परिचालक)	वीजतंत्री (Electrician)	६७३
३	जोडारी	जोडारी (Fitter)	६१४
४	यांत्रिकी	यांत्रिकी (Mechanic)	६१४
५	मदतनीस	अकुशल मजुर(Unskilled Mazdoor)	५६८
६	चौकीदार	अकुशल मजुर(Unskilled Mazdoor)	५६८
ड)	विंधन कामे		
१	डायमंड ड्रॉलर/हिरा आवेदक	वीजतंत्री (Electrician)	६७३
२	ड्रॉलर / आवेदक	परिचालक (Operator)	६१४
३	मदतनीस	अकुशल मजुर (Unskilled Mazdoor)	५६८

४	चौकीदार	अकुशल मजुर (Unskilled Mazdoor)	५६८
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Table No – 3
Rate of Machining For Workshop Machining

Sr. No.	Type of M/c used	Rate Per Hrs. in Rs.	Price index for June 2022	Proposed rate for 2022-23 Rate (without GST)*
1	Lathe Machine			
i	Lathe (Light Duty)	175.00	1.0362	181.00
ii	Lathe (Medium Duty)	309.00	1.0362	320.00
iii	Lathe (Heavy Duty)	402.00	1.0362	417.00
iv	Lathe (Super Heavy Duty)	650.00	1.0362	674.00
2	Milling Machine	263.00	1.0362	273.00
3	Drilling Machine	263.00	1.0362	273.00
i	Drilling Machine Pillar Type	66.00	1.0362	68.00
ii	Radial Drilling Machine RM-51 Type	243.00	1.0362	252.00
iii	Radial Drilling Machine	299.00	1.0362	310.00
4	Slotting Machine	263.00	1.0362	273.00
i	Slotting Machine CH 25	272.00	1.0362	282.00
ii	Slotting Machine CH 40	334.00	1.0362	346.00
5	Planing Machine			
i	Light Planing Machine	309.00	1.0362	320.00
ii	Heavy Planing Machine	402.00	1.0362	417.00
6	Plano Milling Machine			
i	Plano Milling Light	529.00	1.0362	548.00
ii	Plano Milling Medium	659.00	1.0362	683.00
iii	Plano Milling Heavy	826.00	1.0362	856.00
7	Gear Hobbing Machine			
i	Gear Hobbing Machine Light	689.00	1.0362	714.00
ii	Gear Hobbing Machine Medium	826.00	1.0362	856.00
iii	Gear Hobbing Machine Heavy	1211.00	1.0362	1255.00
iv	Gear Hobbing Machine Super Heavy	1760.00	1.0362	1824.00
8	Hacksaw Machine			
i	Hacksaw Machine Light	112.00	1.0362	116.00
ii	Hacksaw Machine Medium	136.00	1.0362	141.00
iii	Hacksaw Machine Heavy	156.00	1.0362	162.00
9	Plate Bending Machine			
i	Plate Bending Machine Light	441.00	1.0362	457.00
ii	Plate Bending Machine Medium	716.00	1.0362	742.00
iii	Plate Bending Machine Heavy	1044.00	1.0362	1082.00
iv	Profile Bending Machine	659.00	1.0362	683.00

10	Horizontal Boring Machine	689.00	1.0362	714.00
11	Edge Shaping Machine	659.00	1.0362	683.00
12	Hydraulic Press Machine	659.00	1.0362	683.00

Table No. – 4
Rate of Allied Machinery

Sr. No.	Type of M/c used	Rate Per Hrs. in Rs.	Price index for June 2022	Proposed rate for 2022-23 Rate (without GST)*
1	Hand Cutter	13.00	1.0362	13.00
2	Pug Machine	20.00	1.0362	21.00
3	Hand Grinder	15.00	1.0362	16.00
4	Disel Welding Machine	419.00	1.0362	434.00
5	Angle/Plate Cutting m/c	20.00	1.0362	21.00
6	E.O.T. Crane	57.00	1.0362	59.00
7	Magnetic Drill Machine	34.00	1.0362	35.00
8	Chain pulley block 10 ton cap	579.04	1.0362	600.00
9	Electrical Welding Machine	107.00	1.0362	111.00
10	Chain pulley block 3 ton cap	295 per day	1.0362	306.00
11	Chain pulley block 5 ton cap	330 per day	1.0362	342.00
12	Blower	500 per day	1.0362	518.00
13	Lifting Pulley Wire Rope	656.244	1.0362	680.00
14	Tapping	per No.		100.00

Table No – 5
Rate of Machinery Given In Machinery Use Rate Booklet
Year 2022 - 2023.

Sr. No.	Machinery Use Rate	Rate Per Hrs.in Rs.
1	Escort Moc - 3 ton	512.29 / Hrs.
2	Escort Moc - 5 ton	668.10 / Hrs.
3	Escort Moc 8E- 8 ton	723.51 /hr.
4	Marshall Demag - 30 T	2955.00 /hr.
5	Truck 7.5 ton cap	50.79 /Kms.
6	Transportor Mack 40 T Cap.	99.20 / Kms.
7	Diesel Welding Plant	545.22 /hr.
8	Electrical Generator-41 KVA to 60 KVA	774.92 /hr.

Table No – 6
Price Index Calculation

A	Other Materials			
Sr. No	Item	WPI		% Change
		September 2021	June 2022	
1	Electrical Equipment	122	128.3	5.16
2	Rubber & Plastic Product	123.9	131.6	6.21
3	Casting	119.2	128	7.38
4	Bolts , Screws, Nut	131.6	145	10.18
5	Alloy Steel, Wire Rope	129.8	147	13.25
6	Gear Box & Parts	110.9	116.8	5.32
7	Roller & Ball Bearing	118.7	119.7	0.84
		Average		6.908

A	Other Materials			
Sr. No	Item	WPI		% Change
		September 2021	June 2022	
1	Electricity	116.7	122.2	4.71
2	Operator	597	614	2.85
3	Manufacturing of Machinery & Equipment	120.7	124.7	3.31
		Average		3.62

Table No 7
Material Rates For Gate Manufacturing, Erection And Repairs
CSR – 2023 – 2024.

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
1	Al Bronze (confirming to IS 305)	Kg	782.00	1.13251	885.62	886.00
2	Acetylene	Cum	387.40			424.60
3	Bearing - Anti seismic bearing	No.	4087.00	1.008425	4121.43	4121.00
4	Bearing for bearing in roller of Outlet Gate	No.	7757.00	1.008425	7822.35	7822.00
5	Bearing, Sleeve & Pedestal No. 2217K + H317 + N517 (confirming to IS4623)	1 set	22148.00	1.008425	22334.59	22335.00
6	Bearings - Taper roller bearing 32311(confirming to IS4623)	No.	5979.00	1.008425	6029.37	6029.00
7	Bearings No. 22222E	No.	26457.00	1.008425	26679.89	26680.00
8	Bearings No. 6212	No.	1116.00	1.008425	1125.40	1125.00
9	Bearings No. 6216	No.	3980.00	1.008425	4013.53	4014.00
10	Bearings No. 6222	No.	18216.00	1.008425	18369.46	18369.00
11	Brake Drum BD100- 100 mm- 4"	No.	7875.00	1.0738255	8456.38	8456.00
12	Brake Drum BD150- 150/160 mm- 6"	No.	9625.00	1.0738255	10335.57	10336.00
13	Brake Drum BD200- 200 mm- 8"	No.	15125.00	1.0738255	16241.61	16242.00
14	Brake Drum BD250- 250 mm- 10"	No.	22962.00	1.0738255	24657.18	24657.00
15	Brake Drum BD300- 300/315 mm- 12"	No.	35475.00	1.0738255	38093.96	38094.00
16	Brake Drum BD400- 380/400 mm- 15"	No.	58437.00	1.0738255	62751.14	62751.00
17	Brake Drum BD460- 460 mm- 18"	No.	73562.00	1.0738255	78992.75	78993.00
18	Brake Drum BD500- 500 mm- 21"	No.	138462.00	1.0738255	148684.03	148684.00
19	Brake Drum BD600- 600/630 mm- 24"	No.	164450.00	1.0738255	176590.60	176591.00
20	Brass (IS 410)	Kg	529.00	1.13251	599.10	599.00
21	Black Glass	No.	94.20	1.096	103.24	103.00
23	Cast Iron (Bare) Up to 500 Kg	Kg	90.00	1.13251	101.93	102.00
24	Cast Steel (Bare) Above 500 Kg	Kg	125.00	1.13251	141.56	142.00
25	Cast Steel (Bare) Up to 500 Kg	Kg	116.00	1.13251	131.37	131.00
26	Closed Forged Sockets As Per ISS 2485- M12	No.	570.00	1.0738255	612.08	612.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
27	Closed Forged Sockets As Per ISS 2485- M16	No.	1110.00	1.0738255	1191.95	1192.00
28	Closed Forged Sockets As Per ISS 2485- M20	No.	1770.00	1.0738255	1900.67	1901.00
29	Closed Forged Sockets As Per ISS 2485- M24	No.	2590.00	1.0738255	2781.21	2781.00
30	Closed Forged Sockets As Per ISS 2485- M28	No.	3450.00	1.0738255	3704.70	3705.00
31	Closed Forged Sockets As Per ISS 2485- M32	No.	4800.00	1.0738255	5154.36	5154.00
32	Closed Forged Sockets As Per ISS 2485- M35	No.	7650.00	1.0738255	8214.77	8215.00
33	Closed Forged Sockets As Per ISS 2485- M38	No.	8100.00	1.0738255	8697.99	8698.00
34	Closed Forged Sockets As Per ISS 2485- M42/45	No.	22200.00	1.0738255	23838.93	23839.00
35	Coupling Bolt with Bush (1/2" x 1 x 1.1/2" x 2.3/4)	No.	380.00	1.10182	418.69	419.00
36	Coal Tar Paint	Kg	50.25			55.05
37	Coal Tar Epoxy Paint	litre	216.45	1.096	237.23	237.00
38*	Cotton Waste	Kg	51.40			56.35
39	Drum Coupling Pin/Bush Type BD100-100 mm- 4"	No.	11687.00	1.0738255	12549.80	12550.00
40	Drum Coupling Pin/Bush Type BD150-150/160 mm- 6"	No.	14375.00	1.0738255	15436.24	15436.00
41	Drum Coupling Pin/Bush Type BD200-200 mm- 8"	No.	22875.00	1.0738255	24563.76	24564.00
42	Drum Coupling Pin/Bush Type BD250-250 mm- 10"	No.	34512.00	1.0738255	37059.87	37060.00
43	Drum Coupling Pin/Bush Type BD300-300/315 mm- 12"	No.	53212.00	1.0738255	57140.40	57140.00
44	Drum Coupling Pin/Bush Type BD400-380/400 mm- 15"	No.	87587.00	1.0738255	94053.15	94053.00
45	Drum Coupling Pin/Bush Type BD460-460 mm- 18"	No.	110412.00	1.0738255	118563.22	118563.00
46	Drum Coupling Pin/Bush Type BD500-500 mm- 21"	No.	207662.00	1.0738255	222992.75	222993.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
47	Drum Coupling Pin/Bush Type BD600-600/630 mm- 24"	No.	246675.00	1.0738255	264885.91	264886.00
48	Electric Motor Foot Mounted Motor TEFC 1500 RPM squirrel cage induction motor 3.7 kW (5 HP)	No	39700.00	1.0516393	41750.08	41750.00
49	Electric Motor 3 HP 960 RPM (ND-112M)(6P)	No	34920.00	1.0516393	36723.25	36723.00
50	Electric Motor Considered 5 HP/750 RPM/ ND 160 M	No	89375.00	1.0516393	93990.27	93990.00
51	Electric Motor 5 HP 960 RPM (ND-132S)(6P)	No	56865.00	1.0516393	59801.47	59801.00
52	Electric Motor 7.5 HP 960 RPM (ND-132M)(6P)	No	69620.00	1.0516393	73215.13	73215.00
53	Electric Motor 10 HP 960 RPM (ND-160M)(6P)	No	102075.00	1.0516393	107346.09	107346.00
54	Electric Motor 15 HP 960 RPM (ND-160)(6P)	No	125610.00	1.0516393	132096.42	132096.00
55	E.M. Brake Dia.100 mm- 4" (415 VAC,2Φ)	No	16087.00	1.0516393	16917.72	16918.00
56	E.M. Brake Dia.150 mm- 6" (415 VAC,2Φ)	No	17737.00	1.0516393	18652.93	18653.00
57	E.M. Brake Dia.200 mm- 8" (415 VAC,2Φ)	No	24887.00	1.0516393	26172.15	26172.00
58	E.M. Brake Dia.250 mm- 10" (415 VAC,2Φ)	No	30112.00	1.0516393	31666.96	31667.00
59	E.M. Brake Dia.300 mm- 12" (415 VAC,2Φ)	No	48950.00	1.0516393	51477.75	51478.00
60	E.M. Brake Dia.380 mm- 15" (415 VAC,2Φ)	No	60687.00	1.0516393	63820.84	63821.00
61*	Epoxy paint	litre	228.80			250.75
63*	First Aid Kit	No.	278.95			305.75
64*	Fuse coil	Rmt.	19.50			21.35
65*	G.P. Electrodes	No.	10.70			11.75
66*	Goggles	No.	161.05			176.50
67*	G.I. Pipe 100 mm	Rmt.	710.50			778.70
77	General Purpose Welding Rod MS TO	No	34.00	1.0516393	35.76	36.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
	CS (7016- 5X 450 mm)					
78	General Purpose Welding Rod MS TO MS (6013 - 5 X 450 mm)	No	30.00	1.0516393	31.55	32.00
79	General Purpose Welding Rod SS (4X 300 mm)	No	55.00	1.0516393	57.84	58.00
81	Hardware (Nut Bolt) Galvanized	Kg	145.00	1.1018237	159.76	160.00
82	Hardware (Nut Bolt) HT	Kg	184.00	1.1018237	202.74	203.00
83	Hardware (Nut Bolt) MS	Kg	109.00	1.1018237	120.10	120.00
84	Hardware (Nut Bolt) SS	Kg	328.00	1.1018237	361.40	361.00
85*	Hand Gloves	pair	231.65			253.90
86	Hand Screen	No.	347.20	1.096	380.53	381.00
88*	Hose Pipe Oxygen & DA	Rmt.	81.80			89.65
89	Lead (99.99% Pure) IS 27	Kg	211.00	1.1325116	238.96	239.00
91	Mastic asphalt fitting	KG	51.00	1.096	55.90	56.00
92	Manila Rope	Kg	207.20	1.096	227.09	227.00
103*	Nozzle-3/64	No.	842.85			923.75
104	Dog Clutch	No.	9521.35	1.1325116	10783.04	10783.04
106*	Nylon Rope	Kg	278.30			305.00
107	Oil Seal	Nos.	282.00	1.0621469	299.53	300.00
108*	Oil Paint	litre	228.80			250.75
109*	Oxygen	cum.	49.20			53.90
110	Phosphor Bronze (confirming to IS 318)	Kg	576.00	1.1325116	652.33	652.00
111*	Painting Brush 4"	No.	99.25			108.80
112*	Plum bob	No.	99.25			108.80
113*	Primer	litre	146.30			160.35
114	Rotary Geared Limit Switch (Worm Drive Limit Switch) Code 101100040001 Ratio: 100:1/ FG100P2	No	11895.00	1.05164	12509.25	12509.00
115	Rubber ring 6 mm	Nos.	63.00	1.0621469	66.92	67.00
116	Rubber Seal - Intermediate	Mtr	312.00	1.0621469	331.39	331.00
117	Rubber Seal size- 50 x12mm Dia 32mm	Mtr	1564.00	1.0621469	1661.20	1661.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
118	Rubber Seal size- 100 x12mm Dia 32mm	Mtr	2008.00	1.0621469	2132.79	2133.00
119	Rubber Seal size- 75 x12mm Dia 32mm	Mtr	1702.00	1.0621469	1807.77	1808.00
120	Rubber Seal- Flat size-119 x 19mm	Mtr	861.00	1.0621469	914.51	915.00
121	Rubber Seal -size 100 X 20 mm	Mtr	793.00	1.0621469	842.28	842.00
122	Rubber Seal -size 90 X 15 X 75 X 20 mm	Mtr	1802.00	1.0621469	1913.99	1914.00
123	Rubber seal -Z seal	Mtr	1628.00	1.0621469	1729.18	1729.00
124*	Red Oxide	litre	128.30			140.60
125*	Rust Cleaner	litre	327.50			358.95
126*	Safety Helmet	No.	248.20			272.05
127*	Safety Shoes	pair	1433.65			1571.30
128*	Spirit Level -150 mm	No.	118.75			130.15
131	SKF Thrust Bearing (51330)	No.	150527.00	1.008425	151795.13	x
132	SKF 1315K+H315+SN 615	No.	15632.00	1.008425	15763.69	15764.00
133	SKF 1320K+H320+SN 620	No.	30415.00	1.008425	30671.23	30671.00
134	SKF SN 612	No.	1098.00	1.008425	1107.25	1107.00
135	SKF Taper Roller Bearing (32311)	No.	5657.00	1.008425	5704.66	5705.00
136	SKF Taper Roller Bearing	No.	38253.00	1.008425	38575.27	38575.00
137	SKF Thrust Bearing (51228)	No.	31190.00	1.008425	31452.76	31453.00
138	SKF Thrust Bearing No.51217	No.	8031.00	1.008425	8098.66	8099.00
139	SKF Thrust Bearing No.51220	No.	12717.00	1.008425	12824.14	12824.00
140	SKF No. 6212	No.	2533.00	1.008425	2554.34	2554.00
141	SKF No. 6216	No.	3765.00	1.008425	3796.72	3797.00
142	SKF No. 6222	No.	17234.00	1.008425	17379.19	17379.00
143	Spell Cardium Compound 140	10 Litres	5720.00	1.0621469	6075.48	6075.00
144	Stainless Steel Flat/ Plate IS 6911 Gr 304 Non Magnetic	Kg	307.00	1.1325116	347.68	348.00
Supplying Starter						
145	3 HP to 5 HP starter		29610	1.0516393	31139.04	31139.00
	Description		Rate	1.0516393		

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
	Contactors 12 Amp 440 volts		1800	1.0516393	1892.95	1893.00
	Add on block 1No + 1 NC		630	1.0516393	662.53	663.00
	Relay 6 to 10 Amps		2520	1.0516393	2650.13	2650.00
	Main Switch/MCB TP 16 Amps		2160	1.0516393	2271.54	2272.00
	Outdoor type Control Panel Box made out of 1.6mm CRCA Sheet duly Powder Coated, Pre-wired with suitable size Copper Wires, Mounted on MS Angle Stand consisting of : Copper Busbar, Indicating Lamps, Voltmeter with Selector Switch, Ammeter with CTs & Selector Switch, LED Push Buttons with Assembly, Connectors, Copper Lugs, Panel Locks & Keys, Hardware etc. Complete		22500	1.0516393	23661.89	23662.00
146	7.5 HP starter		28800	1.0516393	30287.21	30287.00
	Contactors 18 Amp 440 volts		2070	1.0516393	2176.89	2177.00
	Add on block 1No + 1 NC		630	1.0516393	662.53	663.00
	Relay 9 to 15 Amps		2610	1.0516393	2744.78	2745.00
	Main Switch/MCB TP 20 Amps		2160	1.0516393	2271.54	2272.00
	Outdoor type Control Panel Box made out of 1.6mm CRCA Sheet duly Powder Coated, Pre-wired with suitable size Copper Wires, Mounted on MS Angle Stand consisting of : Copper Busbar, Indicating Lamps, Voltmeter with Selector Switch, Ammeter with CTs & Selector Switch, LED Push Buttons with Assembly, Connectors, Copper Lugs, Panel Locks & Keys, Hardware etc. Complete		23400	1.0516393	24608.36	24608.00
147	for 10 HP starter		32265	1.0516393	33931.14	33932.00
	Contactors 25 Amp 440 volts		2475	1.0516393	2602.81	2603.00
	Add on block 1No + 1 NC		630	1.0516393	662.53	663.00
	Relay 14 to 23 Amps		2700	1.0516393	2839.43	2839.00
	Main Switch/MCB TP 20 Amps		2160	1.0516393	2271.54	2272.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
	Outdoor type Control Panel Box made out of 1.6mm CRCA Sheet duly Powder Coated, Pre-wired with suitable size Copper Wires, Mounted on MS Angle Stand consisting of : Copper Busbar, Indicating Lamps, Voltmeter with Selector Switch, Ammeter with CTs & Selector Switch, LED Push Buttons with Assembly, Connectors, Copper Lugs, Panel Locks & Keys, Hardware etc. Complete		24300	1.0516393	25554.84	25555.00
148	15 HP starter		37170	1.0516393	39089.43443	39090
	Contactors 32 Amp 440 volts		5220	1.0516393	5489.56	5490.00
	Add on block 1No + 1 NC		630	1.0516393	662.53	663.00
	Relay 20 to 33 Amps		3960	1.0516393	4164.49	4164.00
	Main Switch/MCB TP 20 Amps		2160	1.0516393	2271.54	2272.00
	Outdoor type Control Panel Box made out of 1.6mm CRCA Sheet duly Powder Coated, Pre-wired with suitable size Copper Wires, Mounted on MS Angle Stand consisting of : Copper Busbar, Indicating Lamps, Voltmeter with Selector Switch, Ammeter with CTs & Selector Switch, LED Push Buttons with Assembly, Connectors, Copper Lugs, Panel Locks & Keys, Hardware etc. Complete		25200	1.0516393	26501.31	26501.00
Glow Radium (sign Board)						
150	Glow Radium (sign Board)		Rate			
151	Glow Material		38.00	1.096	41.65	42.00
152	Sign Board		38.00	1.096	41.65	42.00
153*	Turpentine	litre	69.05			75.70
154*	Tripod for chain Pully block	Day	206.10			225.90
155	Wire Rope 12 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	212.00	1.1325116	240.09	240.00
156	Wire Rope 14 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	272.00	1.1325116	308.04	308.00
157	Wire Rope 16 mm Dia., 6 x 36 Const.	1	310.00	1.1325116	351.08	351.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
	Fiber Core Galvanised with TC	Mtr.				
158	Wire Rope 18 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	402.00	1.1325116	455.27	455.00
159	Wire Rope 20 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	478.00	1.1325116	541.34	541.00
160	Wire Rope 24 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	676.00	1.1325116	765.58	766.00
161	Wire Rope 28 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	909.00	1.1325116	1029.45	1029.00
162	Wire Rope 30 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	1045.00	1.1325116	1183.47	1183.00
163	Wire Rope 34 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	1267.00	1.1325116	1434.89	1435.00
164	Wire Rope 36 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	1355.00	1.1325116	1534.55	1535.00
165	Wire Rope 38 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	1550.00	1.1325116	1755.39	1755.00
166	Wire Rope 42 mm Dia., 6 x 36 Const. Fiber Core Galvanised with TC	1 Mtr.	1872.00	1.1325116	2120.06	2120.00
167	Worm Reduction Gear Box Size O 400 Ratio 60:1	No	146520.00	1.0532011	154315.02	154315.00
168	Worm Reduction Gear Box Size O 600 Ratio 60:1	No	227270.00	1.0532011	239361.01	239361.00
169	Worm Reduction Gear Box Size O 700 Ratio 60:1	No	286715.00	1.0532011	301968.55	301969.00
170	Worm Reduction Gear Box Size O 800 Ratio 60:1	No	342565.00	1.0532011	360789.83	360790.00
171	Worm Reduction Gear Box Size O 1000 Ratio 60:1	No	711470.00	1.0532011	749320.97	749321.00
172	Worm Reduction Gear Box Size O 1200 Ratio 60:1	No	1110055.00	1.0532011	1169111.13	1169111.00
173	Worm Reduction Gear Box Size O 400 Ratio 60:7	No	146520.00	1.0532011	154315.02	154315.00
174	Cardium Compound	Kg	157.00	1.096	172.07	172.00
176*	Welding Cable 600AMP	Rmt.	747.50			819.25
178*	White Glass	No.	4.85			5.30

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
179*	Wire Brush	No.	79.85			87.50
181	Zinc (99.99% Pure) IS 209	Kg	259.00	1.13251	293.32	293.00
182*	Zink Base Oil Paint	litre	290.80			318.70
183*	Zink Rich Epoxy Primer	litre	264.65			290.05
184	Zink Base Oil Primer	litre	250.40	1.096	274.44	274.00
185	Wiring Harness 2 Core	Mtr	52.00	1.0516393	54.69	55.00
186	Wiring Harness 3 Core	Mtr	55.00	1.0516393	57.84	58.00
187	Wiring Harness 4 Core	Mtr	65.00	1.0516393	68.36	68.00
188	Limit Switch - 3 Pin Type	No.	2500.00	1.0516393	2629.10	2629.00
189	MP Grease	Kg	240.00	1.096	263.04	263.00
190	Grinding Wheel	No.	161.00	1.096	176.46	176.00
191	Polish Paper	No.	15.00	1.096	16.44	16.00
192	Emery Paper	No.	15.00	1.096	16.44	16.00
193	RGB RA - 112	No.	20430	1.0532011	21516.90	21517.00
194	ICTP Switch 16 Amps	No.	885	1.0516393	930.70	931.00
195	Rubber bush for Brake	No.	45	1.0532011	47.39	47.00
196	Lubricant For RGB	No.	140	1.0532011	147.45	147.00
197	Rubber bush for Coupling	No.	60	1.0532011	63.19	63.00
198	Welding Holder	No.	442	1.0516393	464.82	465.00
199	Chipping Hammer	No.	64	1.096	70.14	70.00
200	Nozzle cleaning Set	No.	250	1.096	274.00	274.00
201	Hack saw	No.	3	1.096	3.29	3.00
202	Cole Lignite	/kg	40	1.096	43.84	44.00
203	Jungle wood	/kg	15	1.096	16.44	16.00
204	Moratic acid	/lit	25	1.096	27.40	27.00
205	Gear oil	No.	140	1.096	153.44	153.00
206	Magnetic Coil	No.	250	1.096	274.00	274.00
207	Fuse Wire	No.	10	1.0516393	10.52	11.00
208	Wire rope slings and D shackle	No.	8000	1.096	8768.00	8768.00
209	Plumb bob	No.	99.25	1.096	108.78	109.00
210	Measuring Tape-15m	No.	750	1.096	822.00	822.00
211	Measuring Tape-30m	No.	1500	1.096	1644.00	1644.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
212	Spirit level-300mm	No.	450	1.096	493.20	493.00
213	Vernier-300mm	No.	9000	1.096	9864.00	9864.00
214	Bevel Protector	No.	15900	1.096	17426.40	17426.00
215	Angle Finder	No.	3800	1.096	4164.80	4165.00
216	Dial gauge	No.	4500	1.096	4932.00	4932.00
217	Tacho meter	No.	3800	1.0516393	3996.23	3996.00
218	Merger	No.	2000	1.0516393	2103.28	2103.00
219	Stop Watch	No.	3600	1.0516393	3785.90	3786.00
220	Tung tester	No.	1800	1.0516393	1892.95	1893.00
221	Multimeter	No.	450	1.0516393	473.24	473.00
222	CHEQUURED PLATES	No.	67254.24	1.1325116	76166.20	76166.00
223	X- Ray Film	No.	550	1.0516393	578.40	578.00
224	Boring	Hrs.	689	1.1325116	780.30	780.00
225	ICTP Switch 32 Amps	No.	901	1.0516393	947.53	948.00
226	Asst.Welder	No.				568.00
227	Grease Cap 3 No & Key 1No.	No.	100	1.1325116	113.25	113.00
228	Seamless pipe	Mtr.	4785	1.1325116	5419.07	5419.00
229	Water Lubrication Pump	No.	1500	1.0516393	1577.46	1577.00
230	Split Pin 3 mm	No.	10	1.1325116	11.33	11.00
231	Screw 19 mm	No.	40	1.1325116	45.30	45.00
232	Valve- 100	No.	100	1.1325116	113.25	113.00
233	G.I. Pipe 25mm dia. Medium type	R.Mt.	218.98			248.00
234	G.I. Pipe 32mm dia. Medium type	R.Mt.	270.20			306.00
235	G.I. Pipe 40mm dia. Medium type	R.Mt.	320.53			363.00
236	Rubber Seal for Needle gate	R.Mt.	190	1.0621469	201.81	202.00
237	Guide Bush	No.	1000	1.13251	1132.51	1132.50
238	Track Plate (EN 9/ EN 24)	Kg	164	1.13251	185.73	186.00
239	Cu Rivet	Kg	600.00	1.13251	679.51	680.00
240	Bearing 23220	No.	24820.00	1.008425	25029.10	25029.00
241	Brake Coil 200 mm Ø	No.	3708.57	1.13251	4200.00	4200.00
242	Musical note type PTFE Cladded Side rubber seal size - dia 32 mm x 105 mm	m	3249.41	1.13251	3680.00	3680.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Proposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
	x 15 mm					
243	Soap	m	15.89	1.13251	18.00	18.00
244	Cleaning Agent	Lit	83.88	1.13251	95.00	95.00
245	Musical note type Brass Cladded Side rubber seal size - dia 32 mm x 105 mm x 15 mm	m	1945.23	1.13251	2203.00	2203.00
246	Musical note type Side rubber seal size - dia 45 mm x 120 mm x 20 mm	Ltr	1826.97	1.13251	2069.06	2069.06
247	Musical note type Brass Cladded Side rubber seal size - dia 45 mm x 130 mm x 20 mm	Kg	2385.85	1.13251	2702.00	2702.00
248	Musical node type PTFE Cladded Side rubber seal size - dia 45 mm x 130 mm x 20 mm	Kg	4452.05	1.13251	5042.00	5042.00
249	Double Stem type Top rubber seal size - dia 32 mm x 105 mm x 15 mm	No.	1945.23	1.13251	2203.00	2203.00
250	Brass Cladded Double Stem type Top rubber seal size - dia 32 mm x 115 mm x 15 mm	No.	1945.23	1.13251	2203.00	2203.00
251	Double Stem type Top rubber seal size - dia 45 mm x 130 mm x 20 mm	No.	2385.85	1.13251	2702.00	2702.00
252	PTFE Cladded Double Stem type Top rubber seal size - dia 45 mm x 130 mm x 20 mm	No.	4452.05	1.13251	5042.00	5042.00
253	Flat type Bottom rubber seal size - 82 mm x 16 mm	No.	734.35	1.13251	831.66	831.66
254	Welding of SS Plate -Fillet MS to SS welding 6 mm	Mtr.	632.22	1.13251	716.00	716.00
255	Plain cloth	No.	42.38	1.13251	48.00	48.00
256	Musical Note Hollow type for Side Rubber Seal - dia 45 mm x 100 mm (w) x 20 mm(th), as per IS 11855-1986 (1 Mtr + 0.10 Mtr extra)	Mtr.	2741.69	1.13251	3105.00	3105.00
257	Bottom Rubber Seal - 90 mm (w) x 15 mm (th), as per IS 11855-1986,	Mtr.	581.01	1.13251	658.00	658.00
258	Diluted Sulphuric acid	Lit.	379.69	1.13251	430.00	430.00
259	Charcoal	Kg.	37.97	1.13251	43.00	43.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
260	Caustic Soda	Kg.	143.04	1.13251	162.00	162.00
261	Brake liner 150 mm Ø	No.	671.07	1.13251	760.00	760.00
262	Rivets	No.	13.24	1.13251	15.00	15.00
263	Brake liner 200 mm Ø	No.	869.75	1.13251	985.00	985.00
264	Brake Coil for 150 mm Ø drum	No.	3708.57	1.13251	4200.00	4200.00
265	Brake Coil for 200 mm Ø drum	No.	3708.57	1.13251	4200.00	4200.00
266	PVC tape	No.	13.24	1.13251	15.00	15.00
267	Side Rubber Seal "Z" Type - 76x120x19 mm - 17.90 mtr as per IS 11855-1986	Mtr.	1596.45	1.13251	1808.00	1808.00
268	Side Rubber Seal L-Type 90x15x65x18 mm, 7.54 mtr per side as per IS 11855-1986,	Mtr.	1690.05	1.13251	1914.00	1914.00
269	Bottom Rubber Seal Flat - 90x18 mm - 12.2 as per IS 11855-1986	Mtr.	743.48	1.13251	842.00	842.00
270	Bottom Rubber Seal Flat - 90x15 mm - 12.2 as per IS 11855-1986	Mtr.	581.01	1.13251	658.00	658.00
271	Saw Dust	Kg.	3.09	1.13251	3.50	3.50
272	Sand	Kg.	0.42	1.13251	0.48	0.48
273	Flat / C Type Rubber Seal 60x20 mm (as per IS 11855-1986) (K.T. Weir Gate)	Mtr.	178.36	1.13251	202.00	202.00
274	Clamping plate 20x5mm-3.35 mtr	Kg.	55.14	1.13251	62.45	62.45
275	Rubber 'O' Ring 6 mm	Mtr.	59.16	1.13251	67.00	67.00
276	Corner Rubber Seal - 300 x 300 x 90 mm as per IS 11855-1986	Mtr.	724.05	1.13251	820.00	820.00
277	Bitumen	Kg.	43.69	1.13251	49.48	49.48
278	Air Break Reversing Contactor Type Electric Starter 15 H.P./ 20 H.P. Having 3 Built in Push Buttons With Over Load Protection of Bimetal Relay	No.	34516.20	1.13251	39090.00	39090.00
279	Rubber Bush for EMB 300 mm Ø	No.	72.41	1.13251	82.00	82.00
280	ICTP Switch (63 Amp 415 V with Neutral link	No.	2151.85	1.13251	2437.00	2437.00
281	Plumber block 509	No.	2060.91	1.13251	2334.00	2334.00

Sr. No.	Description	Unit	Approved rate for 2021-22 Rate (without GST)	Price index for June 2022	Prposed rate for 2023-24 Rate (without GST)	Rate for 2023-24 Rate (without GST)
1	2	3	4	5	6	7
282	bearing 2209	No.	6608.32	1.13251	7484.00	7484.00
283	Paint Aluminium oxide	Liter	650.00		650.00	650.00
283	Sleeve	No.	243.71	1.13251	276.00	276.00
Note : * marked Item rates are taken from WRD CSR - 2022-23						

**GATE
MANUFACTURING
&
ERECTION WORK
YEAR
2023 - 2024**

GATE MANUFACTURING AND ERECTION WORKS

Sr.No.		Item Description	Specifica- tions	Unit	Weight in Kg	Manufacturing charges (Material+Machini ng+Machinery	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		Section -1								
		RADIAL GATE								
1	1.1	Manufacturing, Erection & Testing of Radial Gate Embedment of standard size 12 M X 8 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of embedded parts of Radial gate as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-1 & SECTION-7							
		1	VERTICAL ANCHORAGES	Set	1005.47	80,548	4,158	84,706	46,914	131,620
		2	HORIZONTAL ANCHORAGES	Set	6649.00	611,008	69,218	680,225	148,819	829,044
		3	ERECTION JIG	Set	1838.77	183,101	30,114	213,215	62,010	275,225
		4	SILL BEAM	No	825.18	166,498	34,609	201,107	52,081	253,188
		5	WALL PLATE	Set	2304.33	349,793	75,623	425,416	121,133	546,549
		6	TRUNION BRAKET pair with pin	Set	3891.00	735,490	33,860	769,350	39,952	809,302
		7	TRUNION CHAIR	2 no	493.00	112,748	23,709	136,457	46,238	182,695

Sr.No.		Item Description		Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		8	LOCKING BOX		1 no	1020.00	123,758	25,957	149,715	39,351	189,066
		9	A. G, BRIDGE		1 no	3705.00	392,873	51,689	444,562	107,369	551,931
		10	T.G. BOX		Set	7541.70	847,612	61,427	909,039	122,770	1,031,809
			Total			29273.45	3,603,429	410,364	4,013,793	786,638	4,800,431
2	1-2	Manufacturing, Erection & Testing of Radial Gate LEAF of standard size 12 M X 8 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of Gate leaf of Radial gate as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-1 & SECTION-7							
		11	SKIN PLATE assembly		Set	18965.57	2,361,367	180,911	2,542,278	402,503	2,944,781
		12	END ARM with shoe		2 Nos	9500.00	1,532,907	91,241	1,624,149	186,877	1,811,026
		13	HORINZANTAL GIRDER		2 Nos	6668.54	751,106	117,310	868,416	198,276	1,066,692
		14	TIE CHANNEL		1 No	1672.22	153,457	24,459	177,915	56,836	234,751
		15	BRACING ANGLE WITH GUSSET PLATE		Set	3354.40	253,017	23,073	276,090	135,344	411,433

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.	
1	2	3		4	5	6	7	8	9	10	11
			Total			40160.73	5,051,853	436,994	5,488,848	979,836	6,468,683
3	1.3	Manufacturing, Erection & Testing of Radial Gate Embedment of standard size 12 M X 6.5 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of embedded parts of Radial gate as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-1 & SECTION-7							
		I) EMBEDMENTS									
		1	VERTICAL ANCHORAGES		Set	502.65	47,764	2,772	50,536	29,187	79,723
		2	HORIZONTAL ANCHORAGES		Set	4814.00	448,948	63,225	512,173	112,889	625,061
		3	ERECTION JIG		Set	1288.00	118,226	27,867	146,094	46,955	193,049
		4	SILL BEAM		No	929.00	133,029	31,200	164,229	48,905	213,135
		5	WALL PLATE		Set	1690.00	274,611	71,128	345,740	106,930	452,670
		6	TRUNION BRAKET pair with pin		Set	2202.00	460,298	32,362	492,660	33,996	526,656
		7	TRUNION CHAIRE		2 no	476.00	90,461	27,867	118,328	26,459	144,787

Sr.No.		Item Description		Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		8	LOCKING BOX		1 no	937.00	96,151	24,459	120,610	31,817	152,426
		9	A. G, BRIDGE		1 no	3747.00	395,107	46,145	441,252	99,108	540,360
		10	T.G. BOX		Set	5379.00	652,232	59,929	712,161	94,975	807,136
			Total			21964.65	2,716,828	386,955	3,103,782	631,221	3,735,003
4	1.4	Manufacturing, Erection & Testing of Radial Gate LEAF of standard size 12 M X 6.5 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of Gate leaf of Radial gate as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-1 & SECTION-7							
		11	SKIN PLATE assembly		Set	15008.00	1,886,325	180,911	2,067,236	367,298	2,434,534
		12	END ARM with shoe		2 Nos	8156.00	1,388,482	85,249	1,473,731	175,173	1,648,903
		13	HORINZANTAL GIRDER		2 Nos	12655.00	1,292,768	111,318	1,404,085	235,052	1,639,137
		14	BRACING ANGLE WITH GUSSET PLATE		Set	1059.00	82,558	21,574	104,132	108,612	212,745
			Total			36878.00	4,650,132	399,052	5,049,185	886,135	5,935,319
5	1.5	Manufacturing, Erection & Testing of Radial		SECTION-1							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		Gate Embedment of standard size 12 M X 5 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of embedded parts of Radial gate as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	& SECTION-7							
		1	VERTICAL ANCHORAGES	Set	171.23	19,785	1,386	21,171	27,290	48,461
		2	HORIZONTAL ANCHORAGES	Set	1858.09	215,780	57,682	273,462	65,208	338,670
		3	ERECTION JIG	Set	680.00	96,083	23,709	119,793	37,792	157,585
		4	SILL BEAM	No	804.30	152,378	28,204	180,582	38,372	218,955
		5	WALL PLATE	Set	1257.80	201,907	46,145	248,052	86,358	334,410
		6	TRUNION BRAKET pair with pin	Set	995.00	228,198	28,204	256,402	23,477	279,879
		7	TRUNION CHAIRE	2 no	402.00	94,860	22,960	117,821	24,381	142,201
		8	LOCKING BOX	1 no	1006.00	101,543	22,960	124,503	28,683	153,187
		9	A. G, BRIDGE	1 no	3747.00	391,490	46,145	437,635	84,535	522,170
		10	T.G. BOX	Set	2586.00	546,073	49,142	595,215	80,645	675,859

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.	
1	2	3		4	5	6	7	8	9	10	11
			Total			13507.42	2,048,098	326,538	2,374,636	496,741	2,871,378
6	1-6	Manufacturing, Erection & Testing of Radial Gate LEAF of standard size 12 M X 5 M including Manufacturing with QAP, fabrication, erection, commissioning & testing of Gate leaf of Radial gate as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-1 & SECTION-7							
		I) Leaf									
		11	SKIN PLATE assembly		Set	10328.00	1,308,106	152,071	1,460,177	286,801	1,746,978
		12	END ARM with shoe		2 Nos	3118.96	532,149	78,207	610,356	116,894	727,250
		13	HORINZANTAL GIRDER		2 Nos	3451.83	333,802	104,276	438,078	124,368	562,446
		14	TIE CHANNEL		1 No	1026.35	120,484	21,462	141,947	39,368	181,315
		15	BRACING ANGLE WITH GUSSET PLATE		Set	864.30	68,608	21,574	90,183	57,496	147,678
			Total			18789.43	2,363,150	377,590	2,740,740	624,927	3,365,667
SECTION – 2											
HOIST BRIDGE											

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
7	2.1	Manufacturing, Erection & Testing of Hoist Bridge for 42 Ton Cap Radial Gate Hoist including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-7 & SECTION-8	Assembly	6,400	612,639	111,469	724,108	217,723	941,831
8	2.2	Manufacturing, Erection & Testing of Hoist Bridge for 36 Ton Cap Radial Gate Hoist including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-7 & SECTION-8	Assembly	6,400	612,639	111,469	724,108	198,522	922,630
9	2.3	Manufacturing, Erection & Testing of Hoist Bridge for 20 Ton Cap Radial Gate Hoist	SECTION-7 &	Assembly	4,400	432,932	79,032	511,964	175,202	687,166

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-8							
SECTION – 3										
RADIAL GATE HOIST										
10	3.1	Manufacturing, Erection & Testing of 42 Ton Capacity Radial Gate Hoist including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8							

Sr.No.		Item Description		Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		1	LHS Gear Train Assembly		Assembly	5347.00	1,120,459	135,577	1,256,036	116,191	1,372,227
		2	RHS Gear Train Assembly		Assembly	5347.00	1,120,459	135,577	1,256,036	116,191	1,372,227
		3	Central Drive Unit Assembly		Assembly	967.00	701,671	61,766	763,437	95,351	858,788
			Total			11661.00	2,942,588	332,921	3,275,509	327,734	3,603,243
11	3.2	Manufacturing, Erection & Testing of 36 Ton Capacity Radial Gate Hoist including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-2 & SECTION-8							
		1	LHS Gear Train Assembly		Assembly	4768.00	949,164	116,515	1,065,679	104,316	1,169,995
		2	RHS Gear Train Assembly		Assembly	4768.00	949,164	116,515	1,065,679	104,316	1,169,995
		3	Central Drive Unit Assembly		Assembly	967.00	700,877	56,619	757,496	84,673	842,169
			Total			10503.00	2,599,205	289,649	2,888,854	293,306	3,182,160
12	3.3	Manufacturing, Erection & Testing of 20 Ton		SECTION-2							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		Capacity Radial Gate Hoist including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	& SECTION-8							
		1	LHS Gear Train Assembly	Assembly	3461.00	728,312	101,951	830,263	89,037	919,300
		2	RHS Gear Train Assembly	Assembly	3461.00	728,312	101,951	830,263	89,037	919,300
		3	Central Drive Unit Assembly	Assembly	882.00	554,598	51,472	606,070	78,055	684,125
			Total		7804.00	2,011,223	255,373	2,266,596	256,129	2,522,725
		SECTION - 4								
		OUTLET GATES – SLIDING TYPE								
13	4-1	Manufacturing, Erection, & Testing of Outlet gate Sliding type of size 0.9 x 0.9 Mtr. - 7.2 Mtr. head including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes	SECTION-4 & SECTION-8							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
		I) EMBEDMENT								
	1	i. Sill Beam		No	57.34	10,322	2,562	12,884	3,183	16,067
	2	ii. Vertical Seal Assly.		No	103.41	28,032	4,621	32,653	5,740	38,393
	3	iii. U/S Side Liner		Set	114.15	10,805	5,101	15,906	6,336	22,242
	4	iv. Horizontal Seal		No	42.17	8,456	1,884	10,340	5,116	15,456
	5	v. Guide Tee & Lining Plate		Set	179.33	52,576	8,014	60,590	11,853	72,443
		Total(Embedment)			496.40	110,191	22,183	132,374	32,228	164,603
		II) LEAF								
	1	i. Skeleton Assly + End Vert + SS Seal Plate + Guide Bracket		Assembly	315.98	56,930	7,266	64,196	6,649	70,846
		TOTAL LEAF			315.98	56,930	7,266	64,196	6,649	70,846
14	4-2	Manufacturing, Erection, & Testing of Outlet gate Sliding type of size 0.9 x 0.9 Mtr. - 12Mtr. head including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials	SECTION-4 & SECTION-8							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
		I) EMBEDMENTS								
	1	i. Sill Beam		No	59.65	11,321	3,087	14,408	3,601	18,009
	2	ii. Vertical Seal Assly.		No	107.17	29,994	5,546	35,540	6,469	42,009
	3	iii. U/S Side Liner		Set	114.15	10,809	5,907	16,716	6,891	23,607
	4	iv. Horizontal Seal		No	43.35	8,674	2,243	10,917	5,635	16,552
	5	v. Guide Tee & Lining Plate		Set	187.93	74,822	9,726	84,548	14,441	98,989
		TOTAL EMBEDMENT			512.25	135,620	26,509	162,129	37,036	199,165
		II) LEAF								
	1	i. Skeleton Assly + End Vert + SS Seal Plate + Guide Bracket		Assembly	336.72	61,009	8,652	69,661	7,432	77,094
		TOTAL LEAF			336.72	61,009	8,652	69,661	7,432	77,094
15	4-3	Manufacturing, Erection, & Testing of Outlet gate Sliding type of size 0.9 x 0.9 Mtr. - 20Mtr. head including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials	SECTION-5 & SECTION-8							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-								
		I) EMBEDMENT								
	1	i. Sill Beam		No	47.12	11,626	1,584	13,210	1,715	14,926
	2	ii. Vertical Seal Assly.		No	168.47	47,054	5,665	52,719	6,133	58,852
	3	iii. U/S Side Liner		Set	171.62	18,398	5,771	24,169	6,248	30,417
	4	iv. Horizontal Seal		No	181.11	22,026	6,090	28,116	8,413	36,530
	5	v. Guide Tee & Lining Plate		Set	220.01	30,372	7,398	37,770	9,877	47,647
		Total(Embedment)			788.33	129,476	26,509	155,985	32,386	188,371
		ii) Leaf								
	1	i. Skeleton Assly + End Vert + SS Seal Plate + Guide Bracket		Assembly	450.00	82,373	13,627	96,000	8,604	104,605
		Total(Leaf)			450.00	82,373	13,627	96,000	8,604	104,605
		SECTION – 5								
		OUTLET GATES – ROLLER TYPE WITH BUSH IN THE ROLLER								
16	5-1	Manufacturing, Erection, & Testing of Roller Type Gate with Bush in the Roller 0.9 x 0.9 M for Medium Head 20m including Manufacturing with QAP, fabrication,	SECTION-3 & SECTION-8							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
		i) Embedment								
		1	Sill Beam	No	113.22	17,922	723	18,645	4,429	23,074
		2	Track Girder	No	431.67	70,091	2,756	72,846	16,886	89,732
		3	Vertical Seal	Set	171.10	28,015	1,093	29,108	6,693	35,801
		4	Horizontal Seal	No	272.48	51,286	1,740	53,026	10,659	63,684
		5	Guide Tee & Lining Plate	Set	269.48	36,064	1,720	37,785	10,541	48,326
			Total(Embedment)		1257.95	203,378	8,031	211,409	49,208	260,617
		ii) Leaf								
		1	Skeleton Assly.	No	390.29	48,347	2,548	50,895	19,199	70,094
		2	Roller Assly.	No	344.23	60,589	2,248	62,836	16,933	79,769
		3	Rubber Seal	Set	62.44	16,635	408	17,043	3,072	20,114
			Total(Leaf)		796.96	125,570	5,204	130,774	39,204	169,978
17	5-2	Manufacturing, Erection, & Testing of Roller type Gate With Bush in the Roller for 1.2 x	SECTION-3							

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		1.2 M for Low Head 15 M including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	& SECTION-8							
		i) Embedment								
	1	Sill Beam		No	118.26	17,239	1,157	18,396	4,944	23,339
	2	Track Girder		No	487.09	79,940	4,763	84,702	20,362	105,064
	3	Vertical Seal		Set	181.57	26,596	1,775	28,371	7,590	35,962
	4	Horizontal Seal		No	284.26	62,506	2,780	65,287	11,883	77,170
	5	Guide Tee & Lining Plate		Set	274.64	32,797	2,698	35,495	11,481	46,975
		Total(Embedment)			1345.82	219,078	13,172	232,251	56,259	288,510
		ii) Leaf								
	1	Skeleton Assly.		No	631.66	80,769	9,191	89,960	25,043	115,003
	2	Roller Assly.		No	269.44	57,961	3,920	61,881	10,682	72,563
	3	Rubber Seal		Set	106.49	25,789	1,549	27,339	4,222	31,560
		Total(Leaf)			1007.59	164,519	14,661	179,180	39,947	219,127

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
18	5-3	Manufacturing, Erection, & Testing of Roller type Gate With Bush in the Roller for 1.2 x 1.2 M for Medium Head 25M including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-3 & SECTION-8							
		i) Embedment								
		1 Sill Beam		No	108.49	18,525	817	19,342	4,689	24,031
		2 Track Girder		No	622.24	104,795	4,688	109,483	26,896	136,379
		3 Vertical Seal		Set	214.99	32,184	1,620	33,804	9,293	43,097
		4 Horizontal Seal		No	326.45	71,862	2,460	74,322	14,111	88,432
		5 Guide Tee & Lining Plate		Set	377.91	42,889	2,847	45,736	16,335	62,071
		Total(Embedment)			1650.08	270,254	12,433	282,687	71,324	354,011
		ii) Leaf								
		1 Skeleton Assly.		No	826.51	97,543	11,531	109,075	22,181	131,256
		2 Roller Assly.		No	587.44	112,857	8,196	121,053	16,513	137,565

Sr.No.		Item Description		Specifica- tions	Unit	Weight in Kg	Manufacturing charges (Material+Machini ng+Machinery	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		3	Rubber Seal		Set	107.34	27,423	1,498	28,922	3,218	32,139
			Total(Leaf)			1521.29	237,823	21,226	259,049	41,912	300,960
		SECTION - 6									
		OUTLET GATES – ROLLER TYPE WITH BUSH IN THE ROLLER									
19	6-1	Manufacturing, Erection, & Testing of Roller Type Gate with Bearing in the Roller 0.9 x 0.9 M for Medium Head 20M including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-3 & SECTION-8							
		i)	Embedment								
		1	Sill Beam		No	113.22	17,663	600	18,263	16,893	35,156
		2	Track Girder		No	347.58	61,958	1,842	63,801	23,008	86,809
		3	Vertical Seal		Set	105.75	19,161	561	19,721	16,699	36,420
		4	Horizontal Seal		No	93.26	16,249	494	16,744	16,373	33,116
		5	Guide Tee & Lining Plate		Set	2268.06	260,726	12,023	272,749	73,114	345,863
			Total(Embedment)			2927.87	375,757	15,520	391,278	146,086	537,364

Sr.No.		Item Description		Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		ii)	Leaf								
		1	Skeleton Assly.		No	390.29	48,240	5,436	53,676	14,089	67,764
		2	Roller Assly.		No	339.07	83,635	4,722	88,358	12,240	100,597
		3	Rubber Seal		Set	62.44	16,010	870	16,880	2,254	19,134
			Total(Leaf)			791.80	147,885	11,028	158,913	28,582	187,495
20	6-2	Manufacturing, Erection, & Testing of Roller type Gate With Bearing in the Roller for 1.2 x 1.2 M for Medium Head 25M including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-3 & SECTION-8							
		i)	Embedment								
		1	Sill Beam		No	108.49	18,230	546	18,776	4,318	23,094
		2	Track Girder		No	511.70	89,122	2,577	91,700	20,367	112,066
		3	Vertical Seal		Set	65.55	15,975	330	16,305	2,609	18,914
		4	Horizontal Seal		No	136.74	21,445	689	22,134	5,442	27,576
		5	Guide Tee & Lining Plate		Set	2834.78	314,308	14,279	328,587	112,829	441,416
			Total(Embedment)			3657.26	459,080	18,422	477,502	145,565	623,067

Sr.No.		Item Description		Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		ii)	Leaf								
		1	Skeleton Assly.		No	846.51	95,356	7,094	102,451	25,297	127,748
		2	Roller Assly.		No	540.78	213,755	4,532	218,287	16,161	234,448
		3	Rubber Seal		Set	107.34	27,117	900	28,017	3,208	31,224
			Total(Leaf)			1494.63	336,229	12,526	348,754	44,666	393,420
		SECTION - 7									
		ROPE DRUM EMERGENCY GATE E. G. HOIST									
21	7-1	Manufacturing, Erection & Testing of Rope Drum Emergency Gate E.G Hoist 15 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-2 & SECTION-8	Assembly	6051.00	1,434,580	117,293	1,551,873	372,862	1,924,735
22	7-2	Manufacturing, Erection & Testing of Rope Drum Emergency Gate E.G Hoist 25 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It		SECTION-2 & SECTION-8	Assembly	8684.00	2,034,893	123,005	2,157,898	475,994	2,633,892

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
		SECTION - 7								
		SCREW STEM HOIST								
23	8-1	Manufacturing, Erection & Testing of Screw Stem Hoist 5 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-6 & SECTION-8	Assembly	1109.91	200,850	58,394	259,244	72,936	332,180
24	8-2	Manufacturing, Erection & Testing of Screw Stem Hoist 8 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings	SECTION-6 & SECTION-8	Assembly	2200.10	317,223	60,473	377,696	82,810	460,506

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		and instructions of Engineer-in-Charge.								
25	8-3	Manufacturing, Erection & Testing of Screw Stem Hoist 15 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-6 & SECTION-8	Assembly	4999.99	748,346	104,783	853,129	173,388	1,026,517
26	8-4	Manufacturing, Erection & Testing of Screw Stem Hoist 30 Ton capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-6 & SECTION-8	Assembly	7000.00	1,190,731	148,176	1,338,907	185,046	1,523,953
		SECTION - 9								
		CANAL GATES								
27	9-1	Manufacturing with QAP & fabrication of Sliding Type 0.3 X 0.3 Mtr Gate with hoisting	SECTION-4 &	Assembly	183.00	41,665	1,431	43,095	8,436	51,531

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		arrangement including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-8							
28	9-2	Manufacturing with QAP & fabrication of Sliding Type 0.45 X 0.45 Mtr Gate with hoisting arrangement including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-4 & SECTION-8	Assembly	197.00	45,582	1,431	47,012	8,961	55,973
29	9-3	Manufacturing with QAP & fabrication of Sliding Type 0.6 X 0.6 Mtr gate with hoisting arrangement including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS	SECTION-4 & SECTION-8	Assembly	215.00	55,374	1,740	57,114	9,355	66,469

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
SECTION – 10										
NEEDLE GATES										
30	10-1	Manufacturing, Erection, & Testing of Straight type Needle Gates including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-4 & SECTION-8	No	88.12	11,138	444	11,582	0	11,582
31	10-2	Manufacturing, Erection, & Testing of Curved type Needle Gates including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used	SECTION-4 & SECTION-8	No	65.00	9,993	519	10,512	0	10,512

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
		SECTION – 11								
		V. L. GATE / BARRAGE GATE								
32	11-1	Manufacturing, Erection, & Testing of V.L Barrage Gate of size 15 x 5 Mtr including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-1 & SECTION-8							
		i) Embedment								
		1 Primary Embedment		Set	875.40	103,747	8,368	112,115	18,976	131,091
		2 Sill Beam		No	1093.80	162,944	10,456	173,400	23,710	197,110
		3 Roller Track		Set	7417.77	1,058,742	70,909	1,129,651	160,791	1,290,442
		4 Side Guide		Set	2062.23	289,846	19,714	309,560	44,702	354,262
		5 Side Seal Kit		Set	1453.03	216,880	13,890	230,770	31,497	262,266

Sr.No.		Item Description		Specifica- tions	Unit	Weight in Kg	Manufacturing charges (Material+Machini ng+Machinery	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
			Total(Embedment)			12902.23	1,832,159	123,337	1,955,496	279,675	2,235,170
		ii)	Leaf								
		1	Gate Leaf		Set	20883.96	2,227,422	254,326	2,481,747	532,542	3,014,290
		2	Horizontal Girder		Set	11685.26	1,235,904	142,304	1,378,208	297,975	1,676,183
		3	Guide Roller Assly		Set	153.52	53,830	1,870	55,699	3,915	59,614
		4	Roller Assly		Set	2340.98	836,655	28,509	865,163	59,695	924,858
			Total(Leaf)			35063.72	4,353,810	427,007	4,780,818	894,127	5,674,945
32	11-2	Manufacturing, Erection, & Testing of Stop log gate 12 x 1 Mtr including Manufacturing with QAP, fabrication, erection, commissioning & testing per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-1 & SECTION-8							
		i)	Embedment								
		1	Sill Beam		No	821.00	126,143	8,630	134,774	36,564	171,337
		2	Track Girder		Set	2161.00	400,199	22,716	422,915	113,236	536,150
		3	Seal angle		Set	325.00	95,785	3,419	99,204	17,408	116,612
		4	Guide Tee		Set	668.00	96,333	7,017	103,350	35,160	138,510
		5	Fabricated corner Angle		Set	479.00	73,293	5,038	78,330	25,932	104,262
		6	Lining Plate		Set	1214.00	131,712	12,765	144,477	63,421	207,897

Sr.No.		Item Description		Specifica- tions	Unit	Weight in Kg	Manufacturing charges (Material+Machini ng+Machinery	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3		4	5	6	7	8	9	10	11
		7	Storing Arrangement		No	344.00	38,669	3,625	42,293	29,144	71,437
			Total(Embedment)			6012.00	962,134	63,209	1,025,343	320,864	1,346,208
		ii)	Leaf								
		1	Gate Leaf		Set	6556.00	878,533	77,565	956,098	211,123	1,167,221
		2	Roller Assly		Set	837.00	171,079	9,900	180,979	26,946	207,925
			Total(Leaf)			7393.00	1,049,612	87,465	1,137,077	238,068	1,375,146
		SECTION – 12									
		PENSTOCK PIPE									
34	12-1	Manufacturing, Supplying, Penstock pipe- 1.0 M to 1.3 M Dia. Length - 2 Mtr. thickness of plate - 8, 10, 12 mm fabricated M.S. pipes (Commercial Quality) made out of MS plate including Manufacturing with QAP, fabrication, erection, commissioning & testing per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.		SECTION-9	No	573.00	59,937	5,768	65,705	13,171	78,876
35	12-2	Manufacturing, Supplying, Penstock pipe- 1.4 M to 1.6 M Dia. Length - 2 Mtr. thickness of plate - 10, 12, 14mm fabricated M.S. pipes (Commercial Quality) made out of MS plate including Manufacturing with QAP,		SECTION-9	No	1324.00	125,383	5,768	131,151	17,722	148,873

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		fabrication, erection, commissioning & testing per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
36	12-3	Manufacturing, Supplying, Penstock pipe- 1.7 M to 1.9 M Dia. Length - 2 Mtr. thickness of plate - 12, 14, 16 mm fabricated M.S. pipes (Commercial Quality) made out of MS plate including Manufacturing with QAP, fabrication, erection, commissioning & testing per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-9	No	1580.00	145,905	7,154	153,059	19,067	172,126
36	12-4	Mfg, Supplying, Penstock pipe- 2.0 M 2.4 M Dia. Length - 2 Mtr. thickness of plate - 14, 16, 18 mm fabricated M.S. pipes (Commercial Quality) made out of MS plate including Mfg with QAP, fabrication, erection, commissioning & testing per standard	SECTION-9	No	2120.00	191,512	9,982	201,494	21,842	223,336

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		drawing/approved drawings & Specifications with relevant IS codes mentioned in drg. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining & machinery charges, with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
SECTION - 13										
GOLIATH CRANE										
37	13-1	Manufacturing, Erection, Commissioning & Testing of Goliath Crane 16 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8	Assembly	33,742	6,168,639	254,482	6,423,121	1,104,789	7,527,910
38	13-2	Mfg, Erection, Commissioning & Testing of Goliath Crane 25 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It	SECTION-2 & SECTION-8	Assembly	46800	9377081	285511	9662591	1536590	11,199,181

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.								
39	13-3	Manufacturing, Erection, Commissioning & Testing of Rail Arrangement for Goliath Crane 16 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8	Assembly	5606	553664	20983	574647	183510	758,157
40	13-4	Manufacturing, Erection, Commissioning & Testing of Rail Arrangement for Goliath Crane 25 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevent IS codes mentioned in drawing. All materials used shall conformed to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8	Assembly	7886	774868	48966	823834	258144	1,081,978

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
41	13-5	Manufacturing, Erection, Commissioning & Testing of Lifting Beam for Goliath Crane 16 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8	Assembly	1973	222743	19155	241898	19508	261,406
42	13-6	Manufacturing, Erection, Commissioning & Testing of Lifting Beam for Goliath Crane 25 M.T capacity including Manufacturing with QAP, fabrication, erection, commissioning & testing as per standard drawing / approved drawings & Specifications with relevant IS codes mentioned in drawing. All materials used shall conform to related IS Codes. It includes all materials, Labour charges, machining and machinery charges with leads & lifts at site etc complete. as per drawings and instructions of Engineer-in-Charge.	SECTION-2 & SECTION-8	Assembly	2752	322317	27171	349488	27141	376,629
		SECTION – 14								
		GENERAL FABRICATION								
43	14-1	General fabrication for structure, long beam, Scaffolding, Security Cabin by means of marking, cutting, welding, handling, labour,	SECTION-2 & SECTION-8	Kg	-	26				

Sr.No.		Item Description	Specifications	Unit	Weight in Kg	Manufacturing charges (Material+Machining+Machinery)	Labour charges Rs.	Total (7)+(8)	Erection Charges Rs.	Total (9)+(10) Rs.
1	2	3	4	5	6	7	8	9	10	11
		workshop charges, sundry material charges, machinery charges, with leads & lifts at site etc complete for various types of work as per drawings and instructions of Engineer-in-Charge								
44	14-2	General fabrication for intercate odd shapes structure, Wye Piece Transition Zone, Bell mouth, Reducer by means of marking, cutting, welding, handling, labour, workshop charges, sundry material charges, machinery charges, with leads & lifts at site etc complete for various types of work as per drawings and instructions of Engineer-in-Charge	SECTION-2 & SECTION-8	Kg	-	35				

**REPAIR WORK OF
GATE & HOIST WORK
YEAR
2023 - 2024**

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
A)	Fitting of Corrosion Resistant Steel Plate on Sill Beam			
1	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 15 x 12 m - 1 No. size 8 mm thick x120 mm width x 15 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	7154.00	70446.00	77600.00
2	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 12 x 8 m - 1 No. size 8 mm thick x120 mm width x 12 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	5366.00	57909.00	63275.00
3	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 12 x 6.5 m - 1 No. size 8 mm thick x120 mm width x 12 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	5366.00	57909.00	63275.00
4	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 12 x 5 m - 1 No. size 8 mm thick x120 mm width x 12 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	5366.00	57908.00	63274.00
5	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 12 x 4 m - 1 No. size 8 mm thick x120 mm width x 12 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	5366.00	57908.00	63274.00
6	Supplying & fitting Corrosion Resistant Steel plate confirming to IS 1570 (Updated) on Sill Beam of R.G. 12 x 3 m - 1 No. size 8 mm thick x120 mm width x 12 Mtr length , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	5366.00	57908.00	63274.00
B)	Replacement of Side and Bottom Rubber Seal			
1	Dismantling of old damaged side rubber seal of 1 side from gate leaf of R.G. 18.30 x 16.5 m - 1 No and supplying and fitting new "Z" - type rubber seal confirming to IS 11855-1986 (Updated) of size 76x129 - 17.90 mtr and G.I. bolt M-22 x 100 - 195 Nos & Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 119x19 mm - 17.9 mtr, Corner	98849.00	154424.00	253273.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	Rubber Seal of size 300x300x90 mm - 2 Nos and G.I. bolt M-22x100 - 180 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge			
2	Dismantling of old damaged side rubber seal of 1 side from gate leaf of R.G. 15 x 12 m - 1 No and supplying and fitting new L - type rubber seal confirming to IS 11855-1986 (Updated) of size 90x15x75x20 - 13.26 mtr and G.I. bolt M - 22x100 - 131 Nos and dismantling of old damaged Bottom rubber seal from gate leaf of R.G. 15 x 12 m -1No. Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 100x20 mm - 15.2 mtr and G.I. bolt M-22x100 -150 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	82374.00	117168.00	199542.00
3	Dismantling of old damaged side rubber seal of 1 side from gate leaf of R.G. 12 x 8 m - 1 No . supplying & fitting new L type side rubber seal confirming to IS 11855-1986 (Updated) size 90x15x75x20 - 9.1 m and G.I. bolt M-20x90 - 72 Nos and dismantling of old damaged Bottom rubber seal from gate leaf of R.G. 12 x 8 m - 1 No. Supplying & fitting flat type bottom rubber seal confirming to IS 11855-1986 (Updated) of size 90x15 mm - 12.2 mtr and G.I. bolt M-20x80 - 97 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	54813.00	73677.00	128490.00
4	Dismantling of old damaged side rubber seal from gate leaf of R.G. 12 x 6.5 m - 1 No . Supplying & fitting new L type side rubber seal confirming to IS 11855-1986 (Updated) size 90x15x65x18 - 15.08 mtr and G.I. bolt M-20x100 - 120 Nos and dismantling of old damaged Bottom rubber seal from gate leaf of R.G. 12 x 6.5 m -1 No. Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 90x15 mm - 12.2 mtr and G.I. bolt M-20x110 - 97 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	47961.00	66389.00	114350.00
5	Dismantling of old damaged side rubber seal from gate leaf of R.G 12 x 5 m - 1 No . Supplying & fitting new L type side rubber seal confirming to IS 11855-1986 (Updated) size 90x15x40x18 - 5.96 mtr and G.I. bolt M-20x90 - 47 Nos and dismantling of old damaged bottom rubber seal from gate leaf of R.G. 12 x 5 m -1 No. Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 90x15 mm - 12.2 mtr and G.I. bolt M-	41109.00	53414.00	94523.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	20x80 -97 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge			
6	Dismantling of old damaged side rubber seal from gate leaf of R.G 12 x 4 m - 1No. Supplying & fitting new L type side rubber seal confirming to IS 11855-1986 (Updated) size 90x15x65x18 - 4.94 mtr and G.I. bolt M-20x90 - 49 Nos and dismantling of old damaged Bottom rubber seal from gate leaf of R.G. 12 x 4 m -1No. Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 90x15 mm - 12.2 mtr and G.I. bolt M-20x80 - 97 Nos with double washer including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	30793.00	48794.00	79587.00
7	Dismantling of old damaged side rubber seal from gate leaf of R.G 12 x 3 m - 1No .Supplying & fitting new L type side rubber seal confirming to IS 11855-1986 (Updated) size 90x15x40x15 - 3.96 mtr and G.I. bolt M-20x100 - 30 Nos and dismantling of old damaged Bottom rubber seal from gate leaf of R.G. 12 x 3 m -1 No. Supplying & fitting new flat type bottom rubber seal confirming to IS 11855-1986 (Updated) size 90x15 mm -12.2 mtr and G.I. bolt M-16x80 - 97 Nos with double washer , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	24634.00	40703.00	65337.00
C	Filling of Mastic asphalt at Trunion shoe-end Arm joint and End Arm Horizontal Girder Joint			
1	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-horizontal girder joint of R.G. 15 x 12 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge	3521.00	708.00	4229.00
2	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-horizontal girder joint of R.G. 12 x 8 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge	3521.00	568.08	4089.08
3	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-horizontal girder joint of R.G. 12 x 6.5 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge	3521.00	638.00	4159.00
4	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-	3521.00	496.00	4017.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	horizontal girder joint of R.G. 12 x 5 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge			
5	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-horizontal girder joint of R.G. 12 x 4 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge	3521.00	496.00	4017.00
6	Filling of Mastic asphalt (Mixture of bitumen, Saw dust and sand) at Trunion shoe-end arm joint and End arm-horizontal girder joint of R.G. 12 x 3 m -1 No as per direction of engineer incharge , including cost of material, sundry material and labour charges etc as per drawings, specifications and or instructions of concern in charge	3521.00	496.00	4017.00
D	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box			
1	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 15 x 12 m - 1 No by way of removing rust, dust slurry, any other foreign particles etc , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	1386.00	324.00	1710.00
2	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 12 x 8 m - 1 No by way of removing rust, dust slurry, any other foreign particles etc. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	1386.00	324.00	1710.00
3	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 12 x 6.5 m - 1 No by way of removing rust, dust slurry, any other foreign particles etc. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	1386.00	324.00	1710.00
4	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 12 x 5 m - 1 No by way of removing rust, dust slurry, any other foreign particles etc. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	1386.00	217.00	1603.00
5	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 12 x 4 m - 1 No by way of removing rust, dust slurry, any other foreign particles etc. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	1386.00	217.00	1603.00
6	Cleaning of Drain Holes of Horizontal girder, End arm assembly, Locking box etc, of R.G. 12 x 3 m - 1 No by	1386.00	217.00	1603.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	way of removing rust, dust slurry, any other foreign particles etc. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge			
E	Handling charges of Stoplog gate for repairs to radial gate			
1	Handling charges of one piece of 12 x 1 Mtr Stoplog gate for repairs to radial gate considering lowering, lifting & stacking on platform / on storing arrangement , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	3988.00	1047.00	5035.00
2	Handling charges of one piece of 15 x 1.3 Mtr and 18.3 x 2 Mtr Stoplog gate for repairs to radial gate considering lowering, lifting & stacking on platform / on storing arrangement. , including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	3988.00	1191.00	5179.00
F	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	Under Water Inspection Charges using divers upto 25 Mtr depth.	60050.00	0.00	60050.00
2	Under Water Inspection Charges using divers upto 26-50 Mtr depth.	63842.00	0.00	63842.00
G	Under Water Cutting and Welding Charges per day including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	60682.00	0.00	60682.00
H	Under Water Concrete Breaking Charges per day including cost of material, sundry material and labour charges etc. as per drawings, specifications and or instructions of concern in charge	60682.00	0.00	60682.00

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
B) Wire Rope Drum type Hoist of Radial Gate				
a) Replacement of Wire Rope				
1	Dismantaling of damaged wire rope, wire rope socket of 20 MT cap hoist -1 No . Fixing new wire rope of Dia 24 mm - 75 Mtr length in 4 No of falls, confirming to IS 2266. into Wire rope socket - 4 Nos, confirming to IS 2485. by Zinc (IS 209) pouring and carrying load test. Applying Cardium compound (Servocoat 140) - 9 Kg with satisfactory test & Trial, 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	21991.00	94830.00	116821.00
2	Dismantaling of damaged wire rope, wire rope socket of 36 MT cap hoist - 1 No. Fixing new wire rope of Dia 32 mm - 90 Mtr length in 4 No of falls, confirming to IS 2266. into Wire rope socket - 4 Nos, confirming to IS 2485. by Zinc (IS 209) pouring and carrying load test. Applying Cardium compound (Servocoat 140) - 16 Kg with satisfactory test & Trial, 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	25455.00	184707.00	210162.00
3	Dismantaling of damaged Wire rope, Wire rope socket of 42 MT cap hoist - 1 No. Fixing new Wire rope of Dia 36 mm - 90 Mtr length in 4 No of falls, confirming to IS 2266. into Wire rope socket - 4 Nos. confirming to IS 2485, by Zinc (IS 209) Pouring and carrying load test. Applying Cardium compound (Servocoat 140) - 19 Kg. with satisfactory test & Trial, 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	25455.00	230975.00	256430.00
4	Dismantaling of damaged Wire rope, Wire rope socket of 105 MT cap hoist - 1 No. Fixing new Wire rope of Dia 36 mm - 180 Mtr length in 4 No of falls, confirming to IS 2266, into Wire rope socket - 4 Nos, confirming to IS 2485 by Zinc (IS 209) Pouring and carrying load test. Applying Cardium compound (Servocoat 140) - 38 Kg with satisfactory test & Trial, 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	25456.00	455427.00	480883.00
b) Cleaning and applying cardium compound to Wire Rope of Hoist				
1	Removing Old Cardium Compound of Wire rope of 20 MT cap hoist - 1 No by cleaning agent & Applying new Cardium Compound (Servocoat 140) - 9 Kg, including cost of material, sundry material and labour charges with leads &	5912.00	4200.00	10112.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	lifts at site etc complete, as per drawings, specifications and or instructions of concern in charge			
2	Removing Old Cardium Compound of Wire rope of 36 MT cap hoist - 1 No by cleaning agent & Applying new Cardium Compound (Servocoat 140) - 16 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	7298.00	7132.00	14430.00
3	Removing Old Cardium Compound of Wire rope of 42 MT cap hoist - 1 No by cleaning agent & Applying new Cardium Compound (Servocoat 140) - 19 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	7298.00	8884.00	16182.00
4	Removing Old Cardium Compound of Wire rope of 105 MT cap hoist - 1 No by cleaning agent & Applying new Cardium Compound (Servocoat 140) - 38 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	8684.00	17325.00	26009.00
c)	Cleaning of old Grease, Lubrication & greasing to various parts of Radial Gate (Hoist & radial gate parts)			
1	Draining of Old Oil from RGB & filling with Gear oil GX-90 - 8 Ltr, Cleaning Gear train by removing old Grease & Applying M.P. Grease grade no. 150 - 10 Kg to Gear train, Pedastal, Drum axle, Trunion pin, Locking box and Lifting bracket pin etc. and refilling of oil of Radial gate of 20 MT cap hoist -1 No., 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	8540.00	6074.00	14614.00
2	Draining of Old Oil from RGB & filling with Gear oil GX-90 - 11 Ltr, Cleaning Gear train by removing old Grease & Applying M.P. Grease grade no. 150 - 15 Kg to Gear train, Pedastal, Drum axle, Trunion pin, Locking box and Lifting bracket pin etc. and refilling of oil of Radial gate of 36 MT cap hoist -1 No., 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	9926.00	8578.00	18504.00
3	Draining of Old Oil from RGB & filling with Gear oil GX-90 - 13 Ltr, Cleaning Gear train by removing old Grease & Applying M.P. Grease grade no. 150 - 17 Kg to Gear train, Pedastal, Drum axle, Trunion pin, Locking box and Lifting bracket pin etc. and refilling of oil of Radial gate of 42 MT cap hoist -1 No., 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	9926.00	9920.00	19846.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
4	Draining of Old Oil from RGB & filling with Gear oil GX-90 - 23 Ltr, Cleaning Gear train by removing old Grease & Applying M.P. Grease grade no. 150 - 16 Kg to Gear train, Pedastal, Drum axle, Trunion pin, Locking box and Lifting bracket pin etc. and refilling of oil of Radial gate of 105 MT cap hoist -1 No., 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	11312.00	13095.00	24407.00
d)	Replacement of Dial Indicator Assembly of Hoist of Radial Gate			
1	Dismantalling of damaged Dial Indicator assembly of 20 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new Dial Indicator assembly along with calibration.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	7410.00	3321.00	10731.00
2	Dismantalling of damaged Dial Indicator assembly of 36 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new Dial Indicator assembly along with calibration.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	7410.00	3502.00	10912.00
3	Dismantalling of damaged Dial Indicator assembly of 42 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new Dial Indicator assembly along with calibration.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	7410.00	3577.00	10987.00
4	Dismantalling of damaged Dial Indicator assembly of 105 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new Dial Indicator assembly along with calibration.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	7410.00	3577.00	10987.00
e)	Replacement of Turn buckle & Equilizer Bracket assembly of Hoist of Radial Gate			
1	Dismantalling of damaged Turn Buckle Assembly - 2 Nos. and Equiliser Bracket Assembly - 2 Nos., of 20 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new one along with wire rope alignment.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), including cost of material, sundry material and labour	10182.00	3355.00	13537.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	charges with leads & lifts at site etc complete, as per drawings, specifications and or instructions of concern in charge			
2	Dismantalling of damaged Turn Buckle Assembly - 2 Nos. and Equiliser Bracket Assembly - 2 Nos., of 36 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new one along with wire rope alignment.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	10182.00	3559.00	13741.00
3	Dismantalling of damaged Turn Buckle Assembly - 2 Nos. and Equiliser Bracket Assembly - 2 Nos., of 42 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new one along with wire rope alignment.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	10182.12	3761.00	13943.12
4	Dismantalling of damaged Turn Buckle Assembly - 2 Nos. and Equiliser Bracket Assembly - 2 Nos., of 105 MT capacity Hoist - 1 No. of Radial gate Cap & replacing by new one along with wire rope alignment.including Sundry material & Labour charges. (Excluding material charges, Ref : Jobwork DSR), 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	10182.12	4018.00	14200.12
f)	Replacement of Liner of Electro Magnetic Brake of Hoist of Radial Gate			
1	Dismantalling & Replacing old damaged Brake Liner 200 mm Ø - 1set by new one of 20 MT Cap Hoist of Radial Gate, 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	758.00	1341.00	2099.00
2	Dismantalling & Replacing old damaged Brake Liner 200 mm Ø - 1set by new one of 36 MT Cap Hoist of Radial Gate, 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	758.00	1341.00	2099.00
3	Dismantalling & Replacing old damaged Brake Liner 200 mm Ø - 1set by new one of 42 MT Cap Hoist of Radial Gate, 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	758.00	1341.00	2099.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
4	Dismantalling & Replacing old damaged Brake Liner 300 mm Ø - 1set by new one of 105 MT Cap Hoist of Radial Gate, 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	758.00	1341.00	2099.00
h)	Replacement of Brake Coil of Electro Magnetic Brake of Hoist of Radial Gate			
1	Dismantalling & Replacing old damaged Brake Coil - 1 No set by new one (200 mm Ø) of 20 MT Cap Hoist of Radial Gate, 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	758.00	5197.00	5955.00
2	Dismantalling & Replacing old damaged Brake Coil - 1 No set by new one (200 mm Ø) of 36 MT Cap Hoist of Radial Gate, 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	758.00	5197.00	5955.00
3	Dismantalling & Replacing old damaged Brake Coil - 1 No set by new one (200 mm Ø) of 42 MT Cap Hoist of Radial Gate, 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	758.00	5197.00	5955.00
4	Dismantalling & Replacing old damaged Brake Coil - 1 No set by new one (300 mm Ø) of 105 MT Cap Hoist of Radial Gate, 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	758.00	5197.00	5955.00
i)	Replacement of Electrical Starter of Hoist of Radial Gate			
1	Dismantalling and Replacing old damaged Electric Starter 5 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over Load Protection of Bimetal Relay by new one of 20 MT Cap Hoist of Radial Gate, 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	758.00	38443.00	39201.00
2	Dismantalling and Replacing old damaged Electric Starter 10 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over Load Protection of Bimetal Relay by new one of 36 MT Cap Hoist of Radial Gate, 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	758.00	41890.00	42648.00
3	Dismantalling and Replacing old damaged Electric Starter 10 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over	758.00	41890.00	42648.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	Load Protection of Bimetal Relay by new one of 42 MT Cap Hoist of Radial Gate, 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			
4	Dismantalling and Replacing old damaged Electric Starter 20 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over Load Protection of Bimetal Relay by new one of 105 MT Cap Hoist of Radial Gate, 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	758.00	48256.00	49014.00
j)	Replacement of Rubber Bushes and Coupling Bolts of EMB of Radial Gate			
1	Dismantaling & Replacing old damaged Brake Drum (200 mm Ø) Rubber bushes & Bolts - 6 Nos each by new one of 20 MT Cap Hoist of Radial Gate, 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	2207.00	607.00	2814.00
2	Dismantaling & Replacing old damaged Brake Drum (200 mm Ø) Rubber bushes & Bolts - 6 Nos each by new one of 36 MT Cap Hoist of Radial Gate, 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	2207.00	607.00	2814.00
3	Dismantaling & Replacing old damaged Brake Drum (200 mm Ø) Rubber bushes & Bolts - 6 Nos each by new one of 42 MT Cap Hoist of Radial Gate, 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	2207.00	607.00	2814.00
4	Dismantaling & Replacing old damaged Brake Drum (300 mm Ø) Rubber bushes & Bolts - 6 Nos each by new one of 105 MT Cap Hoist of Radial Gate, 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	2209.00	747.00	2956.00
k)	Replacement of ICTP Switch of Hoist of Radial Gate			
1	Dismantaling & Replacing old damaged ICTP Switch 16 Amp 415V with neutral link - 1No (as per Specification) by new one of 20 MT Cap Hoist of Radial Gate, 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	758.00	1161.00	1919.00
2	Dismantaling & Replacing old damaged ICTP Switch 32 Amp 415V with neutral link - 1No (as per Specification) by new one of 36 MT Cap Hoist of Radial Gate, 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	758.00	1181.00	1939.00
3	Dismantaling & Replacing old damaged ICTP Switch 32 Amp 415V with neutral link - 1No (as per Specification) by new one of 42 MT Cap Hoist of Radial Gate, including cost of material, sundry material and labour charges with leads & lifts at site etc complete, as per drawings, specifications	758.00	1181.00	1939.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	and or instructions of concern in charge			
4	Dismantaling & Replacing old damaged ICTP Switch 63 Amp 415V with neutral link - 1No (as per Specification) by new one of 105 MT Cap Hoist of Radial Gate, 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	758.00	3019.00	3777.00

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	Stoplog Gate			
A)	Repair to Track Rollers of Stoplog Gate			
1	Dismantalling & Cleaning of Track Roller - 4 Nos of stoplog Gate 12 x 1 Mtr - 1 No. and refitting with M. P. Grease - 4 Kg & Damaged 'O' Ring - 12.00 Mtr., 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	4342.00	2461.00	6803.00
2	Dismantalling & Cleaning of Track Roller - 4 Nos of stoplog Gate 15 x 1.30 Mtr - 1 No and refitting with M. P. Grease - 5 Kg & Damaged 'O' Ring - 8.80 Mtr., 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	4342.00	2513.00	6855.00
B)	Replacement of Side Rubber Seal of Stoplog Gate			
1	Item no. 1:- Dismantaling of damaged side rubber seal and Bottom rubber seal from gate leaf of stoplog gate of size 12 x 1 m -1 No, on Maintenance Platform and fitting new Hollow type side rubber seal confirming to IS11855 / 1986 and G. I. Bolt with Double Washer and Nut with satisfactory test & trial. , 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	17352.00	26937.00	44289.00
2	Item no. 2:- Dismantaling of damaged Side & Bottom rubber seal from gate leaf of stoplog gate of size 15 x 1.3 Mtr - 1 No and fitting new Hollow type side Rubber seal confirming to IS11855 / 1986 and G. I. Bolt with Double Washer and Nut with satisfactory test & trial. 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	23136.00	32397.00	55533.00

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
Goliath Crane				
a) Replacement of Wire Rope				
1	Dismantling of damaged Wire rope, Wire rope socket of 16 MT cap Goliath Crane -1 No. Fixing new wire rope of 19 mm dia. - 100 Mtr length in 4 No of falls, confirming to IS 2266 into Wire Rope socket 4 Nos confirming to IS 2485 by Zinc (IS 209) pouring and carrying load test. Applying Cardium compound. (Servocoat 140) - 12 Kg with satisfactory test & Trial. , 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	13194.00	83800.00	96994.00
2	Dismantling of damaged Wire rope, Wire rope socket of 25 MT cap Goliath Crane -1 No. Fixing new wire rope of 24 mm dia. - 100 Mtr length in 4 No of falls, confirming to IS 2266 into Wire Rope socket 4 Nos confirming to IS 2485 by Zinc (IS 209) pouring and carrying load test. Applying Cardium compound. (Servocoat 140) - 14 Kg with satisfactory test & Trial. , 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	15273.00	114389.00	129662.00
b) Cleaning and applying Cardium compound to Wire Rope				
1	Removing Old Cardium Compound of wire rope (100 Mtrs) of 16 MT cap Goliath Crane - 1 No., by cleaning Agent, Applying new Cardium Compound (Servocoat 140) - 12 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	3650.00	4966.00	8616.00
2	Removing Old Cardium Compound of wire rope (100 Mtrs) of 25 MT cap Goliath Crane - 1 No., by cleaning Agent, Applying new Cardium Compound (Servocoat 140) - 14 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	3649.00	6189.00	9838.00
c) Cleaning of old Grease, Lubrication & greasing to various parts of Goliath Crane				
1	Draining of Old Oil from RGB - 3 Nos. (O:600 - 1No. & O:400 - 2 Nos.) Filling with new gear oil GX 90 - 13 Ltr, Cleaning Gear train by removing old grease, Applying M.P. Grease - 6 Kg to Gear train, Pedastal, Drum axle. etc to 16 MT Goliath crane - 1 No. , 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	4269.00	5277.00	9546.00
2	Draining of Old Oil from RGB - 3 Nos. (O:600 - 1No. & O:400 - 2 Nos.) Filling with new gear oil GX 90 - 21 Ltr, Cleaning Gear train by removing old grease, Applying M.P. Grease - 8 Kg to Gear train, Pedastal, Drum axle. etc to 25 MT Goliath crane - 1 No. , 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	4270.00	7803.00	12073.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
d) Replacement of Liner of Electro Magnetic Brake of Goliath Crane				
1	Dismantling & Replacing old damaged Brake Liner - 3 No. (200 mm Ø - 1 No. & 150 mm Ø - 2 No.) by new one of 16 MT Cap Goliath Crane. , 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	1514.00	3446.00	4960.00
2	Dismantling & Replacing old damaged Brake Liner 200 mm Ø - 3 No. by new one of 25 MT Cap Goliath Crane. , 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	1514.00	4015.00	5529.00
e) Replacement of Coil of Electro Magnetic Brake of Goliath Crane				
1	Dismantling and Replacing old damaged Brake Coil - 3 No. (200 mm Ø - 1 No. & 150 mm Ø - 2 NO.) by new one of 16 MT Cap Goliath Crane. , 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	1514.00	15646.00	17160.00
2	Dismantling and Replacing old damaged Brake Coil 200 mm Ø - 3 No. by new one of 25 MT Cap Goliath Crane. , 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	1514.00	15691.00	17205.00
f) Replacement of Electrical Starter of Goliath Crane				
1	Dismantling and Replacing old damaged Electric Starter 10 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over Load Protection of Bimetal Relay by new one of 16 MT Cap Hoist. , 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	757.00	41896.00	42653.00
2	Dismantling and Replacing old damaged Electric Starter 10 HP - 1No (as per Specification) Air Break Reversing Contractor Type Having 3 Built in Push ButMTs With Over Load Protection of Bimetal Relay by new one of 25 MT Cap Hoist. , 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	757.00	41896.00	42653.00
g) Replacement of Rubber Bushes and Coupling Bolts of EMB of Goliath Crane				
1	Dismantling and Replacing old damaged Brake Drum Rubber Bushes and Bolts of Coupling - 18 No. (200 mm Ø - 1 set & 150 mm Ø - 2 Set) by new one of 16 MT Cap Goliath Crane. , 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	4414.00	1421.00	5835.00
2	Dismantling and Replacing old damaged Brake Drum Rubber Bushes and Bolts of Coupling - 18 No. (200 mm Ø - 3 set) by new one of 25 MT Cap Goliath Crane. , including cost of material, sundry material and labour charges with leads & lifts at site etc complete, as per drawings,	4414.00	1428.00	5842.00

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	specifications and or instructions of concern in charge			
h)	Replacement of ICTP Switch of Goliath Crane			
1	Dismantaling & Replacing old damaged ICTP Switch 32 Amp 415V with neutral link - 1No (as per Specification) by new one of 16 MT Cap Goliath crane. , 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	758.00	1189.00	1947.00
2	Dismantaling & Replacing old damaged ICTP Switch 32 Amp 415V with neutral link - 1No (as per Specification) by new one of 25 MT Cap Goliath crane. , 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	758.00	1189.00	1947.00
i)	Replacement of Equilizer Bracket assemblies of Goliath Crane			
1	Dismantalling and Replacing old damaged Equilizer bracket assembly - 2 Nos by new one of 16 MT Cap Goliath Crane. , 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 (Excluding material charges Ref: Jobwork DSR)	7410.00	1709.00	9119.00
2	Dismantalling and Replacing old damaged Equilizer bracket assembly - 2 Nos by new one of 25 MT Cap Goliath Crane. , 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(Excluding material charges Ref: Jobwork DSR)	7410.00	1709.00	9119.00

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
I	Sliding Type Gate			
A	Gate Leaf Dismantling , Refitting and Lowering after Repairs			
1	Dismantling of Sliding type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 Mtr (upto 7.2 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.	No	19388	10731
2	Dismantling of Sliding type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 Mtr (7.2 to 12 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.	No	23387	14308
3	Dismantling of Sliding type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 Mtr (12 to 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.	No	27391	17885
II	Roller Type Gate			
B	Gate Leaf Dismantling , Refitting and Lowering after Repairs			
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 .	No	25971	14308
2	Dismantling of Roller type Gate leaf of size 0.9 x 0.9 Mtr / 1.2 x 1.2 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 .	No	29561	17885
3	Dismantling of Roller type Gate leaf of size .2 x 2 Mtr (above 30 MWH upto 40 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 .	No	30287	17885
C	Track Rollers Dismantling , Refitting and fitting after Greasing			
1	Dismantling & Cleaning of Track Rollers (4 Nos), of Roller type 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 job including cost of sundry material and labour charges, with leads & lifts at site etc complete . (Excluding Cost of New Bearing / Bush, Ref. Job work DSR / Bearing price list)	No	17594	8484
2	Dismantling & Cleaning of Track Rollers (4 Nos), of Roller type Gate of size 0.9 x 0.9 M / 1.2 x 1.2 Mtr (above 20 MWH upto 40 MWH) - 1 No.. Refitting with M.P. Grease 4 Kg. Complete job including cost of sundry material and labour charges, with leads & lifts at site etc complete . (Excluding Cost of New Bearing / Bush, Ref. Job work DSR / Bearing price list)	No	17675	8484

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
D Replacement of Seal Plates				
1	Removing damaged Seal Plate (Brass / S.S) of 0.9 x 0.9 M Roller type Gate - 1 No (upto 15 MWH) Fitting of new Brass / S. S. seal plate to gate leaf using copper rivet and welding. Machining to finish size. Complete job with Sundry material, and labour charges, with leads & lifts at site etc complete . (Excluding New Material and machining Charges)	No	13196	5768
2	Removing damaged Seal Plate (Brass / S.S) of 0.9 x 0.9 M Roller type Gate - 1 No (above 15 MWH to 30 MWH) Fitting of new Brass / S.S. seal plate to gate leaf using copper rivet and welding. Machining to finish size. Complete job with Sundry material, and labour charges, with leads & lifts at site etc complete . (Excluding New Material and machining charges)	No	18269	8652
3	Removing damaged Seal Plate (Brass / S.S) of 1.2 x 1.2 M Roller type Gate - 1 No (upto 15 MWH) Fitting of new Brass / S.S. seal plate to gate leaf using copper rivet and welding. Machining to finish size. Complete job with Sundry material, and labour charges, with leads & lifts at site etc complete . (Excluding New Material and machining charges)	No	15940	7154
4	Removing damaged Seal Plate (Brass / S.S) of 1.2 x 1.2 M Roller type Gate - 1 No (above 15 MWH to 30 MWH) Fitting of new Brass / S.S. seal plate to gate leaf using copper rivet and welding. Machining to finish size. Complete job with Sundry material, and labour charges, with leads & lifts at site etc complete . (Excluding New Material and machining charges)	No	21668	10731
E Replacement of Rubber Seals				
Side Rubber Seal				
1	Dismantaling 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-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 Side rubber seal = (Height + 0.200 mtr)}			
a	Plain Musical Note type Side Rubber Seal 32 mm dia x 75 mm x 16 mm	No	6390	715
b	Brass Cladded Musical Note type Side Rubber Seal 32 mm dia x 105 mm x 16 mm	No	6877	715
c	PTFE Cladded Musical Note type Side Rubber Seal 32 mm dia x 105 mm x 15 mm	No	8700	715
2	Dismantaling 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)}			
a	Plain Musical Note type Side Rubber Seal 45 mm dia x 120 mm x 20 mm	No	7024	715
b	Brass Cladded Musical Note type Side Rubber Seal 45 mm dia x 130 mm x 20 mm	No	8149	715
c	PTFE Cladded Musical Note type Side Rubber Seal 45 mm dia x 130 mm x 20 mm	No	11037	715
F Top Rubber Seal				

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
1	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 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}			
a	Plain Double Stem type Top Rubber Seal 32 mm dia x 105 mm x 15 mm	No	6921	715
b	Brass Cladded Double Stem type Top Rubber Seal 32 mm Dia x 115 mm x 15 mm	No	6877	715
c	PTFE Cladded Double Stem type Top Rubber Seal 32 mm Dia x 115 mm x 15 mm	No	8700	715
2	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}			
a	Plain Double Stem type Top Rubber Seal 45 mm dia x 130 mm x 20 mm	No	7805	715
b	Brass Cladded Double Stem type Top Rubber Seal 45 mm Dia x 130 mm x 20 mm	No	8149	715
c	PTFE Cladded Double Stem type Top Rubber Seal 45 mm Dia x 130 mm x 20 mm	No	11037	715
G	Bottom Rubber Seal			
1	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 = Width + 0.200 mtr}			
A	Plain Flat type Bottom Rubber Seal 82 mm x 16 mm	No	5192	715
2	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}			
a	Plain Flat type Bottom Rubber Seal 82 mm x 20 mm	No	5564	715
H	OTHER			
	Replacement of Bye-Pass Valve			
a	Removing damaged By-pass valve 100 mm to 300 mm dia and Fitting of new By-pass valve as per IS 780 (Updated), (Sluice Valve: PN -1.6) Complete job with sundry material and labour charges, with leads & lifts at site etc complete . (Excluding Cost of Sluice Valve, packing and nut bolts)	No	12724	8652
I	Bonnet Cover			
a	Removing damaged Bonnet Cover and Fitting of Bonnet Cover up to gate size 1.2 x 1.2 as per Relevant std Complete job with sundry material and labour charges, with leads & lifts at site etc complete . (Excluding Cost of bonnet covers, packing, gaskets, O ring and nut bolts etc.)	No	18714	5768

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
Canal Gate				
A Dismantling of Stem Rod, Hoist & Skin Plate of Canal Gate				
1	Dismantling of Stem Rod, Hoist & Skin Plate by Gas cutting and refitting of same of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr - 1 No. Complete with cost of sundry material and labour charges with leads & lifts at site etc complete,.	No	3815	2191
2	Dismantling of Stem Rod, Hoist & Skin Plate by Gas cutting and refitting of same of Canal Gate of size 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr - 1 No. Complete with cost of sundry material and labour charges with leads & lifts at site etc complete,.	No	4726	2884
3	Dismantling of Stem Rod, Hoist & Skin Plate by Gas cutting and refitting of same of Canal Gate of size 0.90 x 0.90 Mtr - 1 No. Complete with cost of sundry material and labour charges with leads & lifts at site etc complete,.	No	9061	5768
4	Dismantling of Stem Rod, Hoist & Skin Plate by gas cutting and refitting of same of Canal Gate of size above 0.9 x 0.9 Mtr to 1.5 Mtr - 1 No. Complete with cost of sundry material and labour charges with leads & lifts at site etc complete,.	No	10705	7154
B Straightening of Stem Rod, Hoist & Skin Plate of Canal Gate				
1	Straightening of Stem Rod - 1 No. of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr by using hydraulic press machine. complete with machinery charges with leads & lifts at site etc complete,. (Excluding cost of material and labour)	No	826	0
2	Straightening of Stem Rod - 1 No. of Canal Gate of size 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr by using hydraulic press machine. complete with machinery charges with leads & lifts at site etc complete,. (Excluding cost of material and labour)	No	1033	0
3	Straightening of Stem Rod - 1 No. of Canal Gate of size 0.90 x 0.90 Mtr by using hydraulic press machine. complete with machinery charges with leads & lifts at site etc complete,. (Excluding cost of material and labour)	No	2066	0
4	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,. (Excluding cost of material and labour)	No	3306	0
C Replacement of New stem rod of Canal Gate				
1	Replacement of New stem rod of 32 mm dia - 1.5 Mtr long - 1 No. of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr Complete including cost of material and machining charges with leads & lifts at site etc complete,. (for other Dia size and length of stem rod actual weight is to be consider)	No	2375	0
2	Replacement of New stem rod of 40 mm dia - 2 Mtr long - 1 No. of Canal Gate of size 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr Complete including cost of material and machining charges with leads & lifts at site etc complete,. (for other Dia size and length of stem rod actual weight is to be consider)	No	3020	0
3	Replacement of New stem rod of 50 mm dia - 4 Mtr long - 1 No. of Canal Gate of size 0.90 x 0.90 Mtr Complete including cost of material and machining charges with leads & lifts at site etc complete,. (for other Dia size and length of stem rod actual weight is to be consider)	No	8110	0
4	Replacement of New stem rod of 63 mm dia - 4 Mtr long - 1	No	11655	0

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	No. of Canal Gate of size above 0.9x0.9 Mtr to 1.5x1.5 Mtr. Complete including cost of material and machining charges with leads & lifts at site etc complete,. (for other Dia size and length of stem rod actual weight is to be consider)			
D	Replacement of SS Seal Plate of Skin Plate (1 Mtr long) of Canal Gate			
1	Replacement & Refitting of SS Seal Plate of Gate leaf per 1 mtr length of Canal Gate 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr - 1 No. complete including cost of material, machining and labour charges with leads & lifts at site etc complete,.(For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	4696	2191
2	Replacement & Refitting of SS Seal Plate of Gate leaf per 1 Mtr length of Canal Gate 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr - 1 No. complete including cost of material, machining and labour charges with leads & lifts at site etc complete,.(For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	5109	2191
3	Replacement & Refitting of SS Seal Plate of Gate leaf per 1 Mtr length of Canal Gate 0.90x0.90 Mtr - 1 No. complete including cost of material, machining and labour charges with leads & lifts at site etc complete,.(For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	6049	2884
4	Replacement & Refitting of SS Seal Plate of Gate leaf per 1 Mtr length of Canal Gate of size above 0.9x0.9 Mtr to 1.5x1.5 Mtr. - 1 No. complete including cost of material, machining and labour charges with leads & lifts at site etc complete,.(For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	9003	5768
E	Replacement of SS Seal Plate of Frame (1 Mtr long) of Canal Gate			
1	Replacement of SS Seal Plate of embedment frame per 1 Mtr length. of Canal Gate of size 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr- 1 No. Complete including cost of material, machining and labour charges with leads & lifts at site etc complete,. (For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	4923	2191
2	Replacement of SS Seal Plate of embedment frame per 1 Mtr length. of Canal Gate of size 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr - 1 No. Complete including cost of material, machining and labour charges with leads & lifts at site etc complete,. (For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	5336	2191
3	Replacement of SS Seal Plate of embedment frame per 1 Mtr length. of Canal Gate of size 0.90 x 0.90 Mtr - 1 No. Complete including cost of material, machining and labour charges with leads & lifts at site etc complete,. (For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)	No	6277	2884
4	Replacement of SS Seal Plate of embedment frame per 1	No	9161	5768

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	Mtr length. of Canal Gate of size above 0.9x0.9 Mtr to 1.5x1.5 Mtr. - 1 No Complete including cost of material, machining and labour charges with leads & lifts at site etc complete,. (For estimate purpose actual length of SS plate is taken and changes shuld be made only in weight of SS plates, cost of sundry material and welding length)			
F	Greasing of Stem Rod of Canal Gate			
1	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 0.3 x 0.3 Mtr to 0.5 x 0.5 Mtr- 1 No Complete with cost of material and labour charges with leads & lifts at site etc complete,	No	1379	346
2	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 0.6 x 0.6 Mtr to 0.8 x 0.8 Mtr - 1 No. Complete with cost of material and labour charges with leads & lifts at site etc complete,	No	1766	346
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 0.90 x 0.90 Mtr - 1 No. Complete with cost of material and labour charges with leads & lifts at site etc complete,	No	2449	693
4	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,	No	3490	1386
G	Replacement of Stem Nut of Canal Gate			
1	Dismantalling and fitting new Stem nut - 1 No. of Hoist of Canal Gate of size 0.60 x 0.60 to 0.8x 0.8 Mtr. Complete with cost of material, sundry material and labour charges with leads & lifts at site etc complete, (Excluding cost of Stem nut and other material. For stem nut Refer Manufacturing DSR)	No	2565	2191
2	Dismantalling and fitting new Stem nut - 1 No. of Hoist of Canal Gate of size 0.90 x 0.90 Mtr. Complete with cost of material, sundry material and labour charges with leads & lifts at site etc complete, (Excluding cost of Stem nut & Other Material. For stem nut Refer Manufacturing DSR)	No	2928	2191
3	Dismantalling and fitting new Stem nut - 1 No. of Hoist of Canal Gate of size above 0.90 x 0.90 Mtr. to 1.5x1.5 Mtr. Complete with cost of material, sundry material and labour charges with leads & lifts at site etc complete, (Excluding cost of Stem nut & Other Material.For stem nut Refer Manufacturing DSR)	No	3146	2191
H	Replacement of Thrust Bearing of Canal Gate			
1	Dismantalling and fitting Thrust Bearing - 1 No. of Hoist of Canal Gate of size 0.9 x 0.9 Mtr. Complete with cost of material, sundry material and labour charges with leads & lifts at site etc complete, (Excluding cost of Bearing & Other Material Ref : Price List of standard approved Bearing)	No	2675	2191
2	Dismantalling and fitting Thrust Bearing - 1 No. of Hoist of Canal Gate of size above 0.9x0.9 Mtr to 1.5x1.5 Mtr. Complete with cost of material, sundry material and labour charges with leads & lifts at site etc complete, (Excluding cost of Bearing & Other Material Ref : Price List of standard	No	2909	2191

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	approved Bearing)			

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
Kolhapuri Type Weir Gate				
A Repairs to Rubber Seal of Kolhapuri Type Weir Gate [Curved]				
1	Dismantalling of old damaged Bottom and Side rubber seal from curved Niddle gate leaf of K.T.Weir size 2.1 x 0.5 mtr. Supplying and fitting new Bottom and Side rubber seal of size 60X20 mm - 3.35 mtr long With 20x10 mm notch. as per IS 11855-1986 and G.I. Bolt M-10X40mm - 1 kg With Nut & double washer,clamping plate 20x5 mm,including Cost of material ,labour chages etc.as per drawings and /or instructions of concern in charge	No	2330	476
B Repairs to Rubber Seal of Kolhapuri Type Weir Gate [Straight]				
1	Dismantalling of old damaged Bottom and Side rubber seal from straight Niddle gate leaf of K.T.Weir size 2.1 x 0.5 mtr. Supplying and fitting new Bottom and Side rubber seal of size 60X20 mm - 3.1 mtr long With 20x10 mm notch. as per IS 11855-1986 and G.I. Bolt M-10X40mm - 1 kg With Nut & double washer,clamping plate 20x5 mm, including Cost of material ,labour chages etc.as per drawings and /or instructions of concern in charge	No	2252	476
C Bend Removal of K.T.Weir Gate				
	Bend Removal Charges of K.T.Weir Gate including Cost of material ,labour chages,machinery charges etc.as per drawings and /or instructions of concern in charge	No	1016	144

ABSTRACT

Item No.	Description	Labour Charges	New Material Charges	Total (3+4)
1	2	3	4	5
	Automatic Gate			
A	Dismantling & Refitting of Automatic Gate of size 2.1 x 1.1 Mtr			
1	Dismantling of Automatic type Gate leaf of size 2.1 x1.1 Mtr Assembly - 1 No. lifting of the same up-to Platform for Repair work and lowering on Sill Beam after cleaning, checking, greasing including Cost of material ,labour chages etc.as per drawings and /or instructions of concern in charge.[Rubber Seal and Nutbolts cost Excluded ,should be taken as per actual]	No	6554	5768
B	Replacement of Rubber Seal of Automatic Gate			
1	Dismantalling of old dammaged Bottom and Side rubber seal from gate leaf of Automatic Gate 6x5 Mtr - 1 No. fitting new Bottom and Side Rubber Seal of size , including cost of Material, labour charges ,etc as per drawings and or instructions of concern inchagre [Rubber Seal and Nutbolts cost Excluded ,should be taken as per actual]	No	14925	10815
C	Greasing to Pivot Points of Automatic Gate			
1	Removing old Grease and applying new Grease - 26 Kg to all pivot points of Automatic Gate of size 6 x 5 m - 1 No. including cost of Material, labour charges ,etc as per drawings and or instructions of concern inchagre	No	3850	2135
	Stoplog of Automatic Gate			
D	Replacement of Rubber Seal of Stoplog of Automatic Gate			
1	Replacement of damaged Bottom and Side Rubber seal of appropriate size of Stoplog gate for Automatic gate - 1 No, and fitting of new Rubber seals. including cost of sundry material, labour charges ,etc as per drawings and or instructions of concern inchagre [Rubber Seal and Nutbolts cost Excluded ,should be taken as per actual]	No	6989	5450
E	Replacement of Track Rollers of Stoplog of Automatic Gate			
1	Replacement of old damaged Track Roller of stoplog gate - 1 No for Automatic Gate, by new Track Roller. including cost of Sundry Material, labour charges ,etc as per drawings and or instructions of concern inchagre . (Excluding Cost of New Track Rollers)	No	4551	2884
F	Greasing of Track Rollers of Stoplog of Automatic Gate			
1	Dismantaling Track Roller from Gate leaf of Stoplog gate - 1 No. for Automatic Gate, Cleaning by cleaning agent and appyling M. P. Grease to Track Rollers and Refitting. including cost of Material, labour charges ,etc as per drawings and or instructions of concern inchagre .	No	2634	2135

**ITEM RATES FOR
MANUFACTURING
FOR THE YEAR
2023-2024.**

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	R. G. Hoist – 42 Ton Cap											
	LHS SUB ASSEMBLY											
	Manufacturing, and supplying											
1	Manufacturing, and supplying Gear Train Frame	32970.1	9922.0		2968.2	63888	109748	1097.5	638.9	10974.8	10974.8	133434.3
2	Manufacturing, and supplying Drum axle	10801.4		5304.0	57.0		16162	161.6	0.0	1616.2	1616.2	19556.6
3	Manufacturing, Providing and supplying Drum Clamping plate	669.0		1000.0			1669	16.7	0.0	166.9	166.9	2019.5
4	Manufacturing, Providing and supplying 1st Pinion Shaft	4356.6		4160.0			8517	85.2	0.0	851.7	851.7	10305.1
5	Manufacturing, Providing and supplying 2nd Pinion Shaft	2880.4		4160.0			7040	70.4	0.0	704.0	704.0	8518.9
6	Manufacturing, Providing and supplying 3rd Pinion Shaft	2700.4		4160.0			6860	68.6	0.0	686.0	686.0	8301.0
7	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	13801.8		8598.0			22400	224.0	0.0	2240.0	2240.0	27103.8
8	Manufacturing, Providing and supplying First Gear	140012.0		40962.0			180974	1809.7	0.0	18097.4	18097.4	218978.5
9	Manufacturing, Providing and supplying First Pinion	18034.0		24476.0			42510	425.1	0.0	4251.0	4251.0	51437.1
10	Manufacturing, Providing and supplying Second Gear	31382.0		24484.0			55866	558.7	0.0	5586.6	5586.6	67597.9

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
11	Manufacturing, Providing and supplying Second Pinion	6816.0		20628.0			27444	274.4	0.0	2744.4	2744.4	33207.2
12	Manufacturing, Providing and supplying Third Gear	17892.0		19464.0			37356	373.6	0.0	3735.6	3735.6	45200.8
13	Manufacturing, Providing and supplying Third Pinion	4118.0		15674.0			19792	197.9	0.0	1979.2	1979.2	23948.3
14	Manufacturing, Providing and supplying CI Drum	90270.0		13014.0			103284	1032.8	0.0	10328.4	10328.4	124973.6
15	Manufacturing, Providing and supplying Drum Bush	7820.0		2560.0			10380	103.8	0.0	1038.0	1038.0	12559.8
16	Manufacturing, Providing and supplying Gear Bush	7820.0		2240.0			10060	100.6	0.0	1006.0	1006.0	12172.6
17	Manufacturing, Providing and supplying Turn Buckle	1482.2		13014.0			14496	145.0	0.0	1449.6	1449.6	17540.4
18	Manufacturing, Providing and supplying Eye End- 2 Nos	4184.8		12800.00			16985	169.8	0.0	1698.5	1698.5	20551.6
19	Manufacturing, Providing and supplying Pin for eye end	600.1		1854.00			2454	24.5	0.0	245.4	245.4	2969.4
20	Manufacturing, Providing and supplying Pin for Socket-1no	660.1		1854.00			2514	25.1	0.0	251.4	251.4	3042.0
21	Manufacturing, Providing and supplying Equillizer Plate	4059.9		3024.00	321.00		7405	74.0	0.0	740.5	740.5	8959.9
22	Manufacturing, Providing and supplying Muff Coupling	6840.0		5530.00			12370	123.7	0.0	1237.0	1237.0	14967.7
23	Providing and supplying Wire	16430.0					16430	164.3	0.0	1643.0	1643.0	19880.3

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rope Socket 36 mm-2 nos											
24	Providing and supplying Wire Rope Ø 36 mm L- 90 Mtr.	69075.0					69075	690.8	0.0	6907.5	6907.5	83580.8
25	Providing and supplying Bearings-6212=2 Nos	5108.0					5108	51.1	0.0	510.8	510.8	6180.7
26	Providing and supplying Bearings-6216=2 Nos	7594.0					7594	75.9	0.0	759.4	759.4	9188.7
27	Providing and supplying Bearings-6222=2 Nos	34758.0					34758	347.6	0.0	3475.8	3475.8	42057.2
28	Manufacturing, Providing and supplying LHS Cover- 1No	31282.2	6614.7			15972.0	53869	538.7	159.7	5386.9	5386.9	65341.1
	R. G. Hoist – 42 Ton Cap											
	LHS SUB ASSEMBLY											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Gear Train Frame	32970.1	9922.0		2968.2	63888	109748	1097.5	638.9	10974.8	10974.8	133434.3
2	Manufacturing, Providing and supplying Drum axle	10801.4		5304.0	57		16162	161.6	0.0	1616.2	1616.2	19556.6
3	Manufacturing, Providing and supplying Drum Clamping plate	669.0		1000.0			1669	16.7	0.0	166.9	166.9	2019.5
4	Manufacturing, Providing and supplying 1st Pinion Shaft	4356.6		4160.0			8517	85.2	0.0	851.7	851.7	10305.1
5	Manufacturing, Providing and	2880.4		4160.0			7040	70.4	0.0	704.0	704.0	8518.9

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying 2nd Pinion Shaft											
6	Manufacturing, Providing and supplying 3rd Pinion Shaft	2700.4		4160.0			6860	68.6	0.0	686.0	686.0	8301.0
7	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	13801.8		8598.0			22400	224.0	0.0	2240.0	2240.0	27103.8
8	Manufacturing, Providing and supplying First Gear	140012.0		40962.0			180974	1809.7	0.0	18097.4	18097.4	218978.5
9	Manufacturing, Providing and supplying First Pinion	18034.0		24476.0			42510	425.1	0.0	4251.0	4251.0	51437.1
10	Manufacturing, Providing and supplying Second Gear	31382.0		24484.0			55866	558.7	0.0	5586.6	5586.6	67597.9
11	Manufacturing, Providing and supplying Second Pinion	6816.0		20628.0			27444	274.4	0.0	2744.4	2744.4	33207.2
12	Manufacturing, Providing and supplying Third Gear	17892.0		19464.0			37356	373.6	0.0	3735.6	3735.6	45200.8
13	Manufacturing, Providing and supplying Third Pinion	4118.0		15674.0			19792	197.9	0.0	1979.2	1979.2	23948.3
14	Manufacturing, Providing and supplying CI Drum	90270.0		13014.0			103284	1032.8	0.0	10328.4	10328.4	124973.6
15	Manufacturing, Providing and supplying Drum Bush	7820.0		2560.0			10380	103.8	0.0	1038.0	1038.0	12559.8
16	Manufacturing, Providing and supplying Gear Bush	7820.0		2240.0			10060	100.6	0.0	1006.0	1006.0	12172.6
17	Manufacturing, Providing and	1482.2		13014.0			14496	145.0	0.0	1449.6	1449.6	17540.4

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Turn Buckle											
18	Manufacturing, Providing and supplying Eye End- 2 Nos	4184.8		12800.0			16985	169.8	0.0	1698.5	1698.5	20551.6
19	Manufacturing, Providing and supplying Pin for eye end	600.1		1854.0			2454	24.5	0.0	245.4	245.4	2969.4
20	Manufacturing, Providing and supplying Pin for Socket-1no	660.1		1854.0			2514	25.1	0.0	251.4	251.4	3042.0
21	Manufacturing, Providing and supplying Equillizer Plate	4059.9		3024.0	321.00		7405	74.0	0.0	740.5	740.5	8959.9
22	Manufacturing, Providing and supplying Muff Coupling	6840.0		5530.0			12370	123.7	0.0	1237.0	1237.0	14967.7
23	Providing and supplying Wire Rope Socket 36 mm-2 nos	16430.0					16430	164.3	0.0	1643.0	1643.0	19880.3
24	Providing and supplying Wire Rope Ø 36 mm L- 90 Mtr.	69075.0					69075	690.8	0.0	6907.5	6907.5	83580.8
25	Providing and supplying Bearings-6212=2 Nos	5108.0					5108	51.1	0.0	510.8	510.8	6180.7
26	Providing and supplying Bearings-6216=2 Nos	7594.0					7594	75.9	0.0	759.4	759.4	9188.7
27	Providing and supplying Bearings-6222=2 Nos	34758.0					34758	347.6	0.0	3475.8	3475.8	42057.2
28	Manufacturing, Providing and supplying LHS Cover- 1No	31282.2	6614.7			15972.0	53869	538.7	159.7	5386.9	5386.9	65341.1

**R. G. Hoist – 42 Ton Cap
CENTRAL DRIVE UNIT ASSEMBLY**

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT FRAME	14455.1	4931.4	0.0	2722.2	24498.0	46607	466.1	245.0	4660.7	4660.7	56639.0
2	Manufacturing, Providing and supplying Dial indicator assly	3750.9	1232.8	552.0	453.7	3062.3	9052	90.5	30.6	905.2	905.2	10983.1
3	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT ASSEMBLY Covers	10687.4	1232.8	0.0	907.4	6124.5	18952	189.5	61.2	1895.2	1895.2	22993.3
4	Providing and supplying RGB RA - 112	21517.00					21517	215.2	0.0	2151.7	2151.7	26035.6
5	Providing and supplying RGB 0-700	301,969					301969	3019.7	0.0	30196.9	30196.9	365382.5
6	Providing and supplying Electric Motor 10 HP Geared	33,931					33931	339.3	0.0	3393.1	3393.1	41056.5
7	Providing and supplying EM Brake Dia 200 MM	26172.00					26172	261.7	0.0	2617.2	2617.2	31668.1
8	Providing and supplying Electric Starter 10 HP	33,931.00					33931	339.3	0.0	3393.1	3393.1	41056.5
9	Providing and supplying ICTP Switch 32 Amps	948					948	9.5	0.0	94.8	94.8	1147.1
10	Providing and supplying Rubber bush for Brake-6 No.	282					282	2.8	0.0	28.2	28.2	341.2
11	Providing and supplying Limit Switch- 3 NOS	7887.0					7887	78.9	0.0	788.7	788.7	9543.3
12	Providing and supplying	1008.0					1008	10.1	0.0	100.8	100.8	1219.7

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 42 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rubber bush for Coupling - 16 NOS											
13	Providing and supplying Wiring Harness 02 Core -12 Mtr	660					660	6.6	0.0	66.0	66.0	798.6
14	Providing and supplying Wiring Harness 03 Core-12 Mtr	696					696	7.0	0.0	69.6	69.6	842.2
15	Providing and supplying Wiring Harness 04 Core-12 Mtr	816					816	8.2	0.0	81.6	81.6	987.4

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	R. G. Hoist – 36 Ton Cap											
	LHS SUB ASSEMBLY											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Gear Train Frame	31894.7	5853.9		2758.8	47916	88423	884.2	479.2	8842.3	8842.3	107471.6
2	Manufacturing, Providing and supplying Drum axle	10621.4		2501.0			13122	131.2	0.0	1312.2	1312.2	15878.1
3	Manufacturing, Providing and supplying Drum Clamping plate	569.0		900.0			1469	14.7	0.0	146.9	146.9	1777.5
4	Manufacturing, Providing and supplying 1st Pinion Shaft	4200.6		2249.0			6450	64.5	0.0	645.0	645.0	7804.0
5	Manufacturing, Providing and supplying 2nd Pinion Shaft	2580.3		2249.0			4829	48.3	0.0	482.9	482.9	5843.5
	Manufacturing, Providing and supplying 3rd Pinion Shaft	2460.3		2249.0			4709	47.1	0.0	470.9	470.9	5698.3
6	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	13501.8		6801.0			20303	203.0	0.0	2030.3	2030.3	24566.4
7	Manufacturing, Providing and supplying First Gear	111470.0		37618.0			149088	1490.9	0.0	14908.8	14908.8	180396.5
8	Manufacturing, Providing and supplying First Pinion	14910.0		20850.0			35760	357.6	0.0	3576.0	3576.0	43269.6

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
9	Manufacturing, Providing and supplying Second Gear	22578.0		20719.0			43297	433.0	0.0	4329.7	4329.7	52389.4
10	Manufacturing, Providing and supplying Second Pinion	4544.0		17284.0			21828	218.3	0.0	2182.8	2182.8	26411.9
11	Manufacturing, Providing and supplying Third Gear	10366.0		12549.0			22915	229.2	0.0	2291.5	2291.5	27727.2
12	Manufacturing, Providing and supplying Third Pinion	1704.0		10027.0			11731	117.3	0.0	1173.1	1173.1	14194.5
11	Manufacturing, Providing and supplying CI Drum	89760.0		12180.0			101940	1019.4	0.0	10194.0	10194.0	123347.4
12	Manufacturing, Providing and supplying Drum Bush	7820.0		1920.0			9740	97.4	0.0	974.0	974.0	11785.4
13	Manufacturing, Providing and supplying Gear Bush	3910.0		1600.0			5510	55.1	0.0	551.0	551.0	6667.1
14	Manufacturing, Providing and supplying Turn Buckle	1482.2		12180.0			13662	136.6	0.0	1366.2	1366.2	16531.3
15	Manufacturing, Providing and supplying Eye End- 2 Nos	4184.8		12800.00			16985	169.8	0.0	1698.5	1698.5	20551.6
16	Manufacturing, Providing and supplying Pin for eye end	600.1		618.00			1218	12.2	0.0	121.8	121.8	1473.9
17	Manufacturing, Providing and supplying Pin for Socket-1no	660.1		618.00			1278	12.8	0.0	127.8	127.8	1546.5
18	Manufacturing, Providing and supplying Equillizer Plate	4059.9		2016.00	459.8		6536	65.4	0.0	653.6	653.6	7908.2
19	Manufacturing, Providing and	5040.0		4570.00			9610	96.1	0.0	961.0	961.0	11628.1

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Muff Coupling											
20	Manufacturing, Providing and supplying Wire Rope Socket 32 mm-2 nos	5154.0					5154	51.5	0.0	515.4	515.4	6236.3
21	Manufacturing, Providing and supplying Wire Rope Ø 32 mm L- 85 Mtr.	57400.0					57400	574.0	0.0	5740.0	5740.0	69454.0
22	Providing and supplying Bearings-6212=2 Nos	5108.0					5108	51.1	0.0	510.8	510.8	6180.7
23	Providing and supplying Bearings-6216=2 Nos	7594.0					7594	75.9	0.0	759.4	759.4	9188.7
	Providing and supplying Bearings-6222=2 Nos	34758.0					34758	347.6	0.0	3475.8	3475.8	42057.2
24	Manufacturing, Providing and supplying LHS Cover- 1No	30056.7	2927.0			7986	40970	409.7	79.9	4097.0	4097.0	49653.1
	R. G. Hoist – 36 Ton Cap											
	LHS SUB ASSEMBLY											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Gear Train Frame	31894.7	5853.9		2758.8	47916	92444	924.4	479.2	9244.4	9244.4	112336.1
2	Manufacturing, Providing and supplying Drum axle	10621.4		2501.0			11789	117.9	0.0	1178.9	1178.9	14264.7
3	Manufacturing, Providing and supplying Drum Clamping	569.0		900.0			1469	14.7	0.0	146.9	146.9	1777.5

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	plate											
4	Manufacturing, Providing and supplying 1st Pinion Shaft	4200.6		2249.0			5825	58.2	0.0	582.5	582.5	7047.8
5	Manufacturing, Providing and supplying 2nd Pinion Shaft	2580.3		2249.0			4449	44.5	0.0	444.9	444.9	5382.7
	Manufacturing, Providing and supplying 3rd Pinion Shaft	2460.3		2249.0			4343	43.4	0.0	434.3	434.3	5254.6
6	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	13501.8		6801.0			18473	184.7	0.0	1847.3	1847.3	22352.8
7	Manufacturing, Providing and supplying First Gear	111470.0		37618.0			134415	1344.2	0.0	13441.5	13441.5	162642.2
8	Manufacturing, Providing and supplying First Pinion	14910.0		20850.0			33239	332.4	0.0	3323.9	3323.9	40219.2
9	Manufacturing, Providing and supplying Second Gear	22578.0		20719.0			39870	398.7	0.0	3987.0	3987.0	48242.7
10	Manufacturing, Providing and supplying Second Pinion	4544.0		17284.0			20674	206.7	0.0	2067.4	2067.4	25015.5
11	Manufacturing, Providing and supplying Third Gear	10366.0		12549.0			21236	212.4	0.0	2123.6	2123.6	25695.6
12	Manufacturing, Providing and supplying Third Pinion	1704.0		10027.0			11176	111.8	0.0	1117.6	1117.6	13523.0
11	Manufacturing, Providing and supplying CI Drum	89760.0		12180.0			90942	909.4	0.0	9094.2	9094.2	110039.8
12	Manufacturing, Providing and	7820.0		1920.0			11528	115.3	0.0	1152.8	1152.8	13948.9

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Drum Bush											
13	Manufacturing, Providing and supplying Gear Bush	3910.0		1600.0			5764	57.6	0.0	576.4	576.4	6974.4
14	Manufacturing, Providing and supplying Turn Buckle	1482.2		12180.0			13050	130.5	0.0	1305.0	1305.0	15790.8
15	Manufacturing, Providing and supplying Eye End- 2 Nos	4184.8		12800.0			16883	168.8	0.0	1688.3	1688.3	20428.5
16	Manufacturing, Providing and supplying Pin for eye end	600.1		618.0			1148	11.5	0.0	114.8	114.8	1388.7
17	Manufacturing, Providing and supplying Pin for Socket-1no	660.1		618.0			1201	12.0	0.0	120.1	120.1	1452.8
18	Manufacturing, Providing and supplying Equillizer Plate	4059.9		2016.0	459.80		6792	67.9	0.0	679.2	679.2	8218.1
19	Manufacturing, Providing and supplying Muff Coupling	5040.0		4570.0			9451	94.5	0.0	945.1	945.1	11435.7
20	Manufacturing, Providing and supplying Wire Rope Socket 32 mm-2 nos	5154.0					9600	96.0	0.0	960.0	960.0	11616.0
21	Manufacturing, Providing and supplying Wire Rope Ø 32 mm L- 85 Mtr.	57400.0					50680	506.8	0.0	5068.0	5068.0	61322.8
22	Providing and supplying Bearings-6212=2 Nos	5108.0					5066.0	50.7	0.0	506.6	506.6	6129.9
23	Providing and supplying Bearings-6216=2 Nos	7594.0					7530.0	75.3	0.0	753.0	753.0	9111.3

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Providing and supplying Bearings-6222=2 Nos	34758.0					34468	344.7	0.0	3446.8	3446.8	41706.3
24	Manufacturing, Providing and supplying RHS Cover- 1No	30056.7	2927.0			7986.0	33883.1	338.8	79.9	3388.3	3388.3	41078.4
	Manufacturing, Providing and supplying											
R. G. Hoist – 36 Ton Cap												
CENTRAL DRIVE UNIT ASSEMBLY												
1	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT FRAME	15232.7	4931.5	0.0	2722.2	18373.5	41259.9	412.6	183.7	4126.0	4126.0	50108.3
2	Manufacturing, Providing and supplying Dial indicator assly	3785.1	1232.9	552.0	453.7	3062.3	9085.9	90.9	30.6	908.6	908.6	11024.6
3	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT ASSEMBLY Covers	10511.8	1232.9	0.0	907.4	9186.8	21838.8	218.4	91.9	2183.9	2183.9	26516.9
4	Providing and supplying RGB RA - 112	21517.00					21517.0	215.2	0.0	2151.7	2151.7	26035.6
5	Providing and supplying RGB 0-700	301,969					301969.0	3019.7	0.0	30196.9	30196.9	365382.5
6	Providing and supplying Electric Motor 10 HP Geared	107,346					107346.0	1073.5	0.0	10734.6	10734.6	129888.7
7	Providing and supplying EM Brake Dia 200 MM	26172.00					26172.0	261.7	0.0	2617.2	2617.2	31668.1
8	Providing and supplying	33,931.00					33931.0	339.3	0.0	3393.1	3393.1	41056.5

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 36 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Electric Starter 10 HP											
9	Providing and supplying ICTP Switch 32 Amps	931					931.0	9.3	0.0	93.1	93.1	1126.5
10	Providing and supplying Rubber bush for Brake-6 No.	282					282.0	2.8	0.0	28.2	28.2	341.2
11	Providing and supplying Limit Switch-3 NO	7887.0					7887.0	78.9	0.0	788.7	788.7	9543.3
12	Providing and supplying Rubber bush for Coupling - 16 NO	1008.0					1008.0	10.1	0.0	100.8	100.8	1219.7
13	Providing and supplying Wiring Harness 02 Core -12 Mtr	660					660.0	6.6	0.0	66.0	66.0	798.6
14	Providing and supplying Wiring Harness 03 Core-12 Mtr	696					696.0	7.0	0.0	69.6	69.6	842.2
15	Providing and supplying Wiring Harness 04 Core-12 Mtr	816					816.0	8.2	0.0	81.6	81.6	987.4

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	R. G. Hoist – 20 Ton Cap											
	LHS SUB ASSEMBLY											
1	Manufacturing, Providing and supplying Gear Train Frame	32208.0	5106.5		1811	37173.6	76299	763.0	371.7	7629.9	7629.9	92693.7
2	Manufacturing, Providing and supplying Drum axle Ø 115mm L-878 mm	5074.0		2501.0			7575	75.8	0.0	757.5	757.5	9165.8
3	Manufacturing, Providing and supplying Drum Clamping plate 90x126x25	437.0		642.0			1079	10.8	0.0	107.9	107.9	1305.6
4	Manufacturing, Providing and supplying 1st Pinion Shaft	2499.0		2249.0			4748	47.5	0.0	474.8	474.8	5745.1
5	Manufacturing, Providing and supplying 2nd Pinion Shaft	2086.0		3509.0			5595	56.0	0.0	559.5	559.5	6770.0
6	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	15571.0		4299.0			19870	198.7	0.0	1987.0	1987.0	24042.7
7	Manufacturing, Providing and supplying First Gear	71710.0		35529.0			107239	1072.4	0.0	10723.9	10723.9	129759.2
8	Manufacturing, Providing and supplying First Pinion	7242.0		20850.0			28092	280.9	0.0	2809.2	2809.2	33991.3
9	Manufacturing, Providing and supplying Second Gear	24992.0		21883.0			46875	468.8	0.0	4687.5	4687.5	56718.8
10	Manufacturing, Providing and supplying Second Pinion	2130.0		17284.0			19414	194.1	0.0	1941.4	1941.4	23490.9

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
11	Manufacturing, Providing and supplying CI Drum	62220.0		14352.0			76572	765.7	0.0	7657.2	7657.2	92652.1
12	Manufacturing, Providing and supplying Drum Bush	7088.0		1512.0			8600	86.0	0.0	860.0	860.0	10406.0
13	Manufacturing, Providing and supplying Gear Bush	3544.0		875.0			4419	44.2	0.0	441.9	441.9	5347.0
14	Manufacturing, Providing and supplying Turn Buckle	570.0		10512.0			11082	110.8	0.0	1108.2	1108.2	13409.2
15	Manufacturing, Providing and supplying Eye End- 2 Nos	2249.0		12800.00			15049	150.5	0.0	1504.9	1504.9	18209.3
16	Manufacturing, Providing and supplying Pin for eye end	270.0		1215.00			1485	14.9	0.0	148.5	148.5	1796.9
17	Manufacturing, Providing and supplying Pin for Socket-1no	210.0		1215.00			1425	14.3	0.0	142.5	142.5	1724.3
18	Manufacturing, Providing and supplying Equillizer Plate	600.0		2016.00	724.4		3340	33.4	0.0	334.0	334.0	4041.9
19	Manufacturing, Providing and supplying Muff Coupling	7242.0		4326.00			11568	115.7	0.0	1156.8	1156.8	13997.3
20	Manufacturing, Providing and supplying Wire Rope Socket 24 mm	5562.0		1896.00			7458	74.6	0.0	745.8	745.8	9024.2
21	Manufacturing, Providing and supplying Wire Rope Ø 24 mm L-17 mm	26810.0					26810	268.1	0.0	2681.0	2681.0	32440.1
22	Manufacturing, Providing and	31528.0					31528	315.3	0.0	3152.8	3152.8	38148.9

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying 1315K+H315+SN 615											
23	Manufacturing, Providing and supplying 1320K+H320+SN 620	61342.0					61342	613.4	0.0	6134.2	6134.2	74223.8
24	Manufacturing, Providing and supplying LHS Cover- 1No	17604.0	2553.3		724.4	12391.2	33273	332.7	123.9	3327.3	3327.3	40384.1
	R. G. Hoist – 20 Ton Cap											
	RHS SUB ASSEMBLY											
1	Manufacturing, Providing and supplying Gear Train Frame	32208.0	5106.5		1811.0	37173.6	82396.7	824.0	371.7	8239.7	8239.7	100071.8
2	Manufacturing, Providing and supplying Drum axle Ø 115mm L-878 mm	5074.0		2501.0			6892.0	68.9	0.0	689.2	689.2	8339.3
3	Manufacturing, Providing and supplying Drum Clamping plate 90x126x25	437.0		642.0			1115.0	11.2	0.0	111.5	111.5	1349.2
4	Manufacturing, Providing and supplying 1st Pinion Shaft	2499.0		2249.0			4377.0	43.8	0.0	437.7	437.7	5296.2
5	Manufacturing, Providing and supplying 2nd Pinion Shaft	2086.0		3509.0			4012.0	40.1	0.0	401.2	401.2	4854.5
6	Manufacturing, Providing and supplying Line Shaft 80 MM Dia	15571.0		4299.0			17888.0	178.9	0.0	1788.8	1788.8	21644.5
7	Manufacturing, Providing and	71710.0		35529.0			97400.0	974.0	0.0	9740.0	9740.0	117854.0

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying First Gear											
8	Manufacturing, Providing and supplying First Pinion	7242.0		20850.0			26489.0	264.9	0.0	2648.9	2648.9	32051.7
9	Manufacturing, Providing and supplying Second Gear	24992.0		21883.0			43111.0	431.1	0.0	4311.1	4311.1	52164.3
10	Manufacturing, Providing and supplying Second Pinion	2130.0		17284.0			18549.0	185.5	0.0	1854.9	1854.9	22444.3
11	Manufacturing, Providing and supplying CI Drum	62220.0		14352.0			68736.0	687.4	0.0	6873.6	6873.6	83170.6
12	Manufacturing, Providing and supplying Drum Bush	7088.0		1512.0			7714.0	77.1	0.0	771.4	771.4	9333.9
13	Manufacturing, Providing and supplying Gear Bush	3544.0		875.0			3857.0	38.6	0.0	385.7	385.7	4667.0
14	Manufacturing, Providing and supplying Turn Buckle	570.0		10512.0			10637.0	106.4	0.0	1063.7	1063.7	12870.8
15	Manufacturing, Providing and supplying Eye End- 2 Nos	2249.0		12800.0			14790.0	147.9	0.0	1479.0	1479.0	17895.9
16	Manufacturing, Providing and supplying Pin for eye end	270.0		1215.0			1453.0	14.5	0.0	145.3	145.3	1758.1
17	Manufacturing, Providing and supplying Pin for Socket-1no	210.0		1215.0			1400.0	14.0	0.0	140.0	140.0	1694.0
18	Manufacturing, Providing and supplying Equillizer Plate	600.0		2016.0	724.4		3316.4	33.2	0.0	331.6	331.6	4012.8
19	Manufacturing, Providing and supplying Muff Coupling	7242.0		4326.0			10561.0	105.6	0.0	1056.1	1056.1	12778.8

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
20	Manufacturing, Providing and supplying Wire Rope Socket 24 mm	5562.0		1896.0			7076.0	70.8	0.0	707.6	707.6	8562.0
21	Manufacturing, Providing and supplying Wire Rope Ø 24 mm L-17 mm	26810.0					23660.0	236.6	0.0	2366.0	2366.0	28628.6
22	Manufacturing, Providing and supplying 1315K+H315+SN 615	31528.0					31264.0	312.6	0.0	3126.4	3126.4	37829.4
23	Manufacturing, Providing and supplying 1320K+H320+SN 620	61342.0					60824.0	608.2	0.0	6082.4	6082.4	73597.0
24	Manufacturing, Providing and supplying LHS Cover- 1No	17604.0	2553.3		724.4	12391.2	28173.5	281.7	123.9	2817.3	2817.3	34213.8
R. G. Hoist – 20 Ton Cap												
CENTRAL DRIVE UNIT ASSEMBLY												
1	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT FRAME	13432.0	4049.2	0.0	1854.6	18373.5	37709	377.1	183.7	3770.9	3770.9	45812.0
2	Manufacturing, Providing and supplying Dial indicator assly	2581.0	1012.3	552.0	309.1	3062.3	7517	75.2	30.6	751.7	751.7	9125.8
3	Manufacturing, Providing and supplying CENTRAL DRIVE UNIT ASSEMBLY Covers	13506.0	1012.3	0.0	618.2	9186.8	24323	243.2	91.9	2432.3	2432.3	29523.0
4	Manufacturing, Providing and	4590.0		5356.0			9946	99.5	0.0	994.6	994.6	12034.7

**ITEM RATES FOR MANUFACTURING
WORK OF R.G HOIST FOR THE YEAR 2023-2024**

Sr. No	Items	R. G. Hoist – Ton Cap. 20 Ton					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Flange Coupling											
5	Providing, supplying fitting of RGB RA - 112	21517.00					21517	215.2	0.0	2151.7	2151.7	26035.6
6	Providing, supplying fitting of RGB 0-600	239361.00					239361	2393.6	0.0	23936.1	23936.1	289626.8
7	Providing, supplying fitting of Electric Motor 5 HP Geared	59801.00					59801	598.0	0.0	5980.1	5980.1	72359.2
8	Providing, supplying fitting of EM Brake Dia 200 MM	26172.00					26172	261.7	0.0	2617.2	2617.2	31668.1
9	Providing, supplying fitting of Electric Starter 5 HP	31139.00					31139	311.4	0.0	3113.9	3113.9	37678.2
10	Providing, supplying fitting of ICTP Switch 16 Amps	931.00					931	9.3	0.0	93.1	93.1	1126.5
11	Providing, supplying fitting of Rubber bush for Brake-6 NOS	282					282	2.8	0.0	28.2	28.2	341.2
12	Providing, supplying fitting of Limit Switch-3 NOS	7887.0					7887	78.9	0.0	788.7	788.7	9543.3
13	Providing, supplying fitting of Rubber bush for Coupling -16 NOS	1008.0					1008	10.1	0.0	100.8	100.8	1219.7

**ITEM RATES FOR MANUFACTURING WORK
OF 25 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	25 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Frame	80973.42	5799.9	0.0	2857	17220.00	106850	1068.5	172.2	10685.0	10685.0	129461.0
2	Manufacturing, Providing and supplying Drum Gear Assembly											
2.1	Manufacturing, Providing and supplying Wire Rope Guide (Plate)	6433.28		1368.0			7801	78.0	0.0	780.1	780.1	9439.5
2.2	Manufacturing, Providing and supplying Wire Rope Clamp (Plate)	2435.90		5654.0			8090	80.9	0.0	809.0	809.0	9788.8
2.3	Manufacturing, Providing and supplying Drum Axle (Round)	13741.83		5550.0			19292	192.9	0.0	1929.2	1929.2	23343.1
2.4	Manufacturing, Providing and supplying Drum: OD-600 mm (C.S.)	241400.00		41544.0	114		283058	2830.6	0.0	28305.8	28305.8	342500.2
2.5	Manufacturing, Providing and supplying 1 st Gear (C.S.)	111754.00		41780.0	114		153648	1536.5	0.0	15364.8	15364.8	185914.1
2.6	Manufacturing, Providing and supplying Gear Bush (A.B.)	12404.00		1600.0			14004	140.0	0.0	1400.4	1400.4	16944.8
2.7	Manufacturing, Providing and supplying Drum Bush (A.B.)	5316.00		960.0			6276	62.8	0.0	627.6	627.6	7594.0

**ITEM RATES FOR MANUFACTURING WORK
OF 25 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	25 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
2.8	Manufacturing, Providing and supplying Wire Rope -140 M	107240.00					107240	1072.4	0.0	10724.0	10724.0	129760.4
2.9	Manufacturing, Providing and supplying H.T. Nut Bolt- 12 Nos	2436.00					2436	24.4	0.0	243.6	243.6	2947.6
3	Manufacturing, Providing and supplying Gear Pinion Assembly											
3.1	Manufacturing, Providing and supplying 1 st Pinion Shaft (Round)	4740.63		3106.0			7847	78.5	0.0	784.7	784.7	9494.4
3.2	Manufacturing, Providing and supplying 2 nd Pinion Shaft(Round)	2640.35		2466.0			5106	51.1	0.0	510.6	510.6	6178.7
3.3	Manufacturing, Providing and supplying Flange Coupling (Round)	1920.26		5114.0			7034	70.3	0.0	703.4	703.4	8511.4
3.4	Manufacturing, Providing and supplying 2 nd Gear (C.S.)	23572.00	471.4	24446.0			48489	484.9	0.0	4848.9	4848.9	58672.2
3.5	Manufacturing, Providing and supplying 1 st Pinion (C.S.)	7100.00	142.0	10318.0			17560	175.6	0.0	1756.0	1756.0	21247.6
3.6	Manufacturing, Providing and supplying 2 nd Pinion (C.S.)	2414.00		6576.0			8990	89.9	0.0	899.0	899.0	10877.9
3.7	Manufacturing, Providing and supplying Bearing Housing	2840.00		12651.5			15491	154.9	0.0	1549.1	1549.1	18744.7

**ITEM RATES FOR MANUFACTURING WORK
OF 25 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	25 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	6216 (C.S.)											
3.8	Manufacturing, Providing and supplying Bearing Housing 6222 (C.S.)	2840.00		17811.5			20651	206.5	0.0	2065.1	2065.1	24988.3
3.9	Providing and supplying RGB: O-700	301969.00					301969	3019.7	0.0	30196.9	30196.9	365382.5
	Providing and supplying Motor 10 HP.	107346.00					107346	1073.5	0.0	10734.6	10734.6	129888.7
	Providing and supplying E.M.Brake Ø200mm	26172.00					26172	261.7	0.0	2617.2	2617.2	31668.1
	Providing and supplying Starter 10 HP	33931.00					33931	339.3	0.0	3393.1	3393.1	41056.5
	Providing and supplying Switch 32 Amp.- 5 Nos	4740.00					4740	47.4	0.0	474.0	474.0	5735.4
	Providing and supplying Bearing-6216-2 nos	7594.00					7594	75.9	0.0	759.4	759.4	9188.7
	Providing and supplying Bearing-6222- 2nos	34758.00					34758	347.6	0.0	3475.8	3475.8	42057.2
	Providing and supplying Rubber Bush For Brake Drum- 6 nos	282.00					282	2.8	0.0	28.2	28.2	341.2
	Pulley & Sling											
	Manufacturing, Providing and supplying Pulley Block (Plate)	12491.80	791.6	8934.0	77	2296	24590	245.9	23.0	2459.0	2459.0	29777.4

**ITEM RATES FOR MANUFACTURING WORK
OF 25 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	25 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Manufacturing, Providing and supplying Sling Arrangement (Plate)	12491.80	791.6		77	2296	15656	156.6	23.0	1565.6	1565.6	18967.2
	Platform, Ladder, Gate Storing Arrangement											
	Manufacturing, Providing and supplying Platform,	110272.6	7502.0		1848.0	21820.8	141443.3	1414.4	218.2	14144.3	14144.3	171364.6
	Manufacturing, Providing and supplying Gate Storing Arrangement	35600.4	3751.0		616.0	5455.2	45422.6	454.2	54.6	4542.3	4542.3	55015.9
	Manufacturing, Providing and supplying Ladder	21725.7	3751.0		616.0	11847.0	37939.7	379.4	118.5	3794.0	3794.0	46025.5
	Manufacturing, Providing and supplying Covers	27283.7	1954.2		1828.0	6888.0	37953.9	379.5	68.9	3795.4	3795.4	45993.1

**ITEM RATES FOR MANUFACTURING WORK
OF 15 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	15 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Frame	65513.62	4244.7	0.0	2396	17220.00	89374	893.74	172.20	8937.43	8937.43	108315.1 1
2	Manufacturing, Providing and supplying Drum Gear Assembly											
2.1	Manufacturing, Providing and supplying Wire Rope Guide (Plate)	6245.90		1368.0			7614	76.14	0.00	761.39	761.39	9212.82
2.2	Manufacturing, Providing and supplying Wire Rope Clamp (Plate)	62459.00		4820.0			67279	672.79	0.00	6727.90	6727.90	81407.59
2.3	Manufacturing, Providing and supplying Drum Axle (Round)	60008.00		3882.0			63890	638.90	0.00	6389.00	6389.00	77306.90
2.4	Manufacturing, Providing and supplying Drum: OD-600 mm (C.S.)	140438.00		23274.0	114		163826	1638.26	0.00	16382.60	16382.60	198229.4 6
2.5	Manufacturing, Providing and supplying 1 st Gear (C.S.)	57652.00		38460.0	114		96226	962.26	0.00	9622.60	9622.60	116433.4 6
2.6	Manufacturing, Providing and supplying Gear Bush (A.B.)	5316.00		960.0			6276	62.76	0.00	627.60	627.60	7593.96
2.7	Manufacturing, Providing and supplying Drum Bush (A.B.)	3544.00		960.0			4504	45.04	0.00	450.40	450.40	5449.84

**ITEM RATES FOR MANUFACTURING WORK
OF 15 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	15 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
2.8	Manufacturing, Providing and supplying Wire Rope -125 M (478/M)	67625.00					67625	676.25	0.00	6762.50	6762.50	81826.25
2.9	Manufacturing, Providing and supplying H.T. Nut Bolt- 12 Nos(Rs. 186/No.)	2436.00					2436	24.36	0.00	243.60	243.60	2947.56
3	Gear Pinion Assembly											
3.1	Manufacturing, Providing and supplying 1 st Pinion Shaft (Round)	2160.29		2466.0			4626	46.26	0.00	462.63	462.63	5597.81
3.2	Manufacturing, Providing and supplying 2 nd Pinion Shaft(Round)	864.12		2146.0			3010	30.10	0.00	301.01	301.01	3642.24
3.3	Manufacturing, Providing and supplying Flange Coupling (Round)	1440.19		4280.0			5720	57.20	0.00	572.02	572.02	6921.43
3.4	Manufacturing, Providing and supplying 2 nd Gear (C.S.)	20448.00	409.0	23266.0			44123	441.23	0.00	4412.30	4412.30	53388.78
3.5	Manufacturing, Providing and supplying 1 st Pinion (C.S.)	4970.00	99.4	12596.0			17665	176.65	0.00	1766.54	1766.54	21375.13
3.6	Manufacturing, Providing and supplying 2 nd Pinion (C.S.)	2130.00		10860.0			12990	129.90	0.00	1299.00	1299.00	15717.90
3.7	Manufacturing, Providing and supplying Bearing Housing 6212 (C.S.)	2840.00		9968.0			12808	128.08	0.00	1280.80	1280.80	15497.68

**ITEM RATES FOR MANUFACTURING WORK
OF 15 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	15 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
3.8	Manufacturing, Providing and supplying Bearing Housing 6216 (C.S.)	2840.00		12528.0			15368	153.68	0.00	1536.80	1536.80	18595.28
3.9	Providing and supplying RGB: O-600	239361.00					239361	2393.61	0.00	23936.10	23936.10	289626.81
	Providing and supplying Motor 5 Hp.	31139.00					31139	311.39	0.00	3113.90	3113.90	37678.19
	Providing and supplying E.M.Brake Ø150mm	18653.00					18653	186.53	0.00	1865.30	1865.30	22570.13
	Providing and supplying Starter 5 HP	31139.00					31139	311.39	0.00	3113.90	3113.90	37678.19
	Providing and supplying Switch 16 Amp.	931.00					931	9.31	0.00	93.10	93.10	1126.51
	Providing and supplying Bearing-6212-2 Nos	5108.00					5108	51.08	0.00	510.80	510.80	6180.68
	Providing and supplying Bearing-6216-2 Nos	7594.00					7594	75.94	0.00	759.40	759.40	9188.74
	Providing and supplying Rubber Bush For Brake Drum-6 Nos	282.00					282	2.82	0.00	28.20	28.20	341.22
	Pulley & Sling											
	Manufacturing, Providing and supplying Pulley Block (Plate)	9368.85	515.00	8100.00	140.00	1699.00	19822.85	198.23	16.99	1982.29	1982.29	24002.64
	Manufacturing, Providing and	6183.44	515.00			1699.00	8397.44	83.97	16.99	839.74	839.74	10177.89

**ITEM RATES FOR MANUFACTURING WORK
OF 15 Ton Cap. E.G. Hoist FOR THE YEAR 2023-2024**

Sr. No	Items	15 Ton Cap E. G. Hoist					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Sling Arrangement (Plate)											
	Platform, Ladder, Gate Storing Arrangement											
	Manufacturing, Providing and supplying Platform,	86177.95	3934.49		1369.00	21820.80	113302.23	1133.02	218.21	11330.22	11330.22	137313.91
	Manufacturing, Providing and supplying Gate Storing Arrangement	23021.59	1967.24		684.50	5455.20	31128.53	311.29	54.55	3112.85	3112.85	37720.08
	Manufacturing, Providing and supplying Ladder	21081.99	1967.24		684.50	11847.00	35580.74	355.81	118.47	3558.07	3558.07	43171.16
	Manufacturing, Providing and supplying Covers	22730.00	1853.09		1040.00	6888.00	32511.09	325.11	68.88	3251.11	3251.11	39407.30

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 30 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 30 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Hoist Body & Frame Assly.											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Body M.S. Frame	18264.02	7462.4	0.0	1354	15291	42371	423.71	152.91	4237.14	4237.14	51422.28
2	Manufacturing, Providing and supplying Bearing Housing	39932.16	1243.7	8501.5	270.8	3058.2	53006	530.06	30.58	5300.64	5300.64	64168.31
3	Manufacturing, Providing and supplying Worm Shaft Assembly	31895.59	1243.7	1600.5	270.8	3058.2	38069	380.69	30.58	3806.88	3806.88	46093.85
4	Manufacturing, Providing and supplying Worm Wheel Assembly	9889.95	1243.7	28077.0	270.8	3058.2	42540	425.40	30.58	4253.97	4253.97	51503.59
5	Manufacturing, Providing and supplying C.I. Hand wheel 95 Kg/ No	9690.00		927.0			10617	106.17	0.00	1061.70	1061.70	12846.57
6	Manufacturing, Providing and supplying C.I. Worm Wheel Guide Bracket- 2 nos	3468.00		1413.0			4881	48.81	0.00	488.10	488.10	5906.01
7	Manufacturing, Providing and supplying G. M. Nut OD-250 ID-140 L-65mm	31296.00		7481.5			38778	387.78	0.00	3877.75	3877.75	46920.78
8	Manufacturing, Providing and	40424.00		8917.0			49341	493.41	0.00	4934.10	4934.10	59702.61

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 30 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 30 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying G. M. Worm Wheel Ring OD - 708 ID - 615 L - 75mm											
9	Providing and supplying Taper Roller Bearing (32311)- 2 nos	11410.00					11410	114.10	0.00	1141.00	1141.00	13806.10
10	Providing and supplying Thrust Bearing (51330) - 2 nos	303590.00					303590	3035.90	0.00	30359.00	30359.00	367343.90
8	Hoist Bridge & Guide Girder Assly.											
9	Manufacturing, Providing and supplying Hoist Bridge	66885.67	3009.8	0.0	1118.4	30582	101596	1015.96	305.82	10159.58	10159.58	123236.77
10	Manufacturing, Providing and supplying Anchorages Anchorages Ø20 L-1200mm -16 nos	2902.73		2202.0		551	5656	56.56	5.51	565.57	565.57	6848.94
11	Manufacturing, Providing and supplying Guide Bracket Channel Assly.-13 pairs	114510.80	501.6	0.0	372.8	5097	120482	1204.82	50.97	12048.22	12048.22	145834.46
12	Manufacturing, Providing and supplying C. I. Guide Bracket for Stem Rod = 3 mtr stem Rod Length.= 13 Stem Rod Pieces. For 40MWH.13 pairs	114511.00		2560.0	186.4	5097	122354	1223.54	50.97	12235.44	12235.44	148099.79

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 30 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 30 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	of G. Bracket x 10 Kg each = 130 Kg.-13 pairs											
	Stem Rod Assly.											
15	Manufacturing, Providing and supplying V Threaded Stem Rod M. S. Bar For V Thread Ø 125mm L-4100mm	24166.75		13344.0			37511	375.11	0.00	3751.08	3751.08	45388.01
16	Manufacturing, Providing and supplying Square Threaded Stem Rod M. S. Bar For Square Thread Ø 125mm L-4200 mm	24756.19		20016.0			44772	447.72	0.00	4477.22	4477.22	54174.35
17	Manufacturing, Providing and supplying Intermediate stem Rods Ø 110 mm L-3000mm- 1 nos	11329.60		5421.0			16751	167.51	0.00	1675.06	1675.06	20268.23
18	Manufacturing, Providing and supplying Lock Nuts 220 ø L-150mm- 4Nos	9060.01		378.0			9438	94.38	0.00	943.80	943.80	11419.99
19	Manufacturing, Providing and supplying Flange 320x320x40mm-4 nos	11943.53	2140.7	5373.0	582.6	18184	38224	382.24	181.84	3822.38	3822.38	46432.62
20	Manufacturing, Providing & supplying Main Channel ISMC-300x90L-4000mm-2nos	35376.53	713.6		194.2	5455.2	41739	417.39	54.55	4173.95	4173.95	50559.32

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 30 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 30 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
21	Manufacturing, Providing and supplying Cross Channel ISMC - 100x50 L-650-2 nos	1456.97	713.6		194.2	5455.2	7820	78.20	54.55	781.99	781.99	9516.66

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 15 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 15 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Hoist Body & Frame Assly.											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Body	27446.62	3664.9	8653.5	2161.8	16751.2	58678	586.78	167.51	5867.80	5867.80	71167.88
2	Manufacturing, Providing and supplying Worm Shaft Ø 120 L-950mm	6701.05		27142.0			33843	338.43	0.00	3384.31	3384.31	40950.09
3	Manufacturing, Providing and supplying C.I. Hand wheel	15300.00		9441.0			24741	247.41	0.00	2474.10	2474.10	29936.61
4	Manufacturing, Providing and supplying C.I. Worm Wheel	19380.00		32886.0			52266	522.66	0.00	5226.60	5226.60	63241.86
5	Manufacturing, Providing and supplying G. M. Nut OD-200 ID-71 L-368mm	26080.00		6382.0			32462	324.62	0.00	3246.20	3246.20	39279.02
6	Providing and supplying Taper Roller Bearing (32311)- 2 nos	11410.00					11410	114.10	0.00	1141.00	1141.00	13806.10
7	Providing and supplying Thrust Bearing (51228) - 2 nos	62906.00					62906	629.06	0.00	6290.60	6290.60	76116.26
8	Hoist Bridge & Guide Girder Assly.						0	0.00	0.00	0.00	0.00	0.00
9	Manufacturing, Providing and	32003.92	3049.3	0.0	1221.5	24621.8	60896	608.96	246.22	6089.65	6089.65	73930.95

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 15 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 15 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	supplying Hoist Bridge											
10	Manufacturing, Providing and supplying Anchorages Ø20 L-500mm-16 nos	1211.92		1562.0		0	2774	27.74	0.00	277.39	277.39	3356.44
11	Manufacturing, Providing and supplying Guide Bracket Channel Assly.-10 pairs	111392.20	435.6	2560.0	174.5	3517.4	118080	1180.80	35.17	11807.97	11807.97	142911.62
12								0.00	0.00	0.00	0.00	0.00
13	Manufacturing, Providing and supplying C. I. Guide Bracket = Length of interm. Stem Rod =2.5 mtr. 10 stem Rod pcs for 25MWH.-10 pairs	10200.00	435.6	5120.0		3517.4	19273	192.73	35.17	1927.30	1927.30	23355.51
14	Manufacturing, Providing and supplying C. I. Worm Shaft Bracket = 2 Nos x 15 Kg	3060.00	435.6	1280.0		3517.4	8293	82.93	35.17	829.30	829.30	10069.71
	Stem Rod Assly.						0	0.00	0.00	0.00	0.00	0.00
15	Manufacturing, Providing and supplying V Threaded Stem Rod M. S. Bar For V Thread Ø 75mm L-3500mm	7378.01		10425.0			17803	178.03	0.00	1780.30	1780.30	21541.64
16	Manufacturing, Providing and supplying Square Threaded Stem Rod M. S. Bar For Square Thread Ø 75mm L-	12082.46		13344.0			25426	254.26	0.00	2542.65	2542.65	30766.02

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 15 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 15 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	4500 mm											
17	Manufacturing, Providing and supplying Intermediate stem Rods Ø 75mm L-2500mm- 8 nos	46579.29		5421.0			52000	520.00	0.00	5200.03	5200.03	62920.35
18	Manufacturing, Providing and supplying Lock Nuts 150 ø L-120mm- 4Nos	2827.81		378.0			3206	32.06	0.00	320.58	320.58	3879.03
19	Manufacturing, Providing and supplying Flange 180x180x22mm-4 nos	6421.87	1769.1	141.0	511.2	10910.4	19754	197.54	109.10	1975.35	1975.35	24010.89
20	Manufacturing, Providing and supplying Main Channel ISMC - 300x90 L-3500mm-2 nos	15477.23	589.7		170.4	5455.2	21693	216.93	54.55	2169.25	2169.25	26302.50
21	Manufacturing, Providing and supplying Cross Channel ISMC - 100x50 L-500-2 nos	560.37	589.7		170.4	5455.2	6776	67.76	54.55	677.57	677.57	8253.11
22	Manufacturing, Providing and supplying Hand wheel Handle 20 ø L-300mm -2 nos	122.42		766.5		551	1440	14.40	5.51	143.99	143.99	1747.81

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 8 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 8 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Hoist Body & Frame Assly.											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Body	8685.45	2377.6	3904.0	993	9477.6	25438	254.38	94.78	2543.77	2543.77	30874.38
2	Manufacturing, Providing and supplying C.I. Hand wheel	6324.00		3304.0			9628	96.28	0.00	962.80	962.80	11649.88
3	Providing and supplying Thrust Bearing No..51220 - 2 nos	25648.00					25648	256.48	0.00	2564.80	2564.80	31034.08
4	Manufacturing, Providing and supplying M18x60L M.S. Nut & Bolts & Washers- 12 nos	180.00					180	1.80	0.00	18.00	18.00	217.80
5	Manufacturing, Providing and supplying Grease Cap 3 No & Key 1No.	120.00		263.0			383	3.83	0.00	38.30	38.30	463.43
6	Manufacturing, Providing and supplying Seamless pipe	1354.75		2172.0			3527	35.27	0.00	352.68	352.68	4267.37
7	Manufacturing, Providing and supplying G. M. Nut	7824.00		3747.0			11571	115.71	0.00	1157.10	1157.10	14000.91
8	Hoist Bridge & Guide Girder Assly.											
9	Manufacturing, Providing and supplying Hoist Bridge	12468.64	2055.7		606.00	20388	35518	355.18	203.88	3551.83	3551.83	43181.08

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 8 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 8 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
10	Manufacturing, Providing and supplying Anchor Bars Ø20 L-1800mm- 8 nos	2176.56		1242.0		551	3970	39.70	5.51	396.96	396.96	4808.67
11	Manufacturing, Providing and supplying Guide Girder Assly.-10 pairs	42360.53	513.9	8616.0	0	5097	56587	565.87	50.97	5658.75	5658.75	68521.79
12	Stem Rod Assly.											
13	Manufacturing, Providing and supplying V Threaded Stem Rod Ø 63mm L-2300 mm	3444.79		7680.0			11125	111.25	0.00	1112.48	1112.48	13460.99
14	Manufacturing, Providing and supplying Square Threaded Stem Rod Ø 63mm L-2300 mm	3444.79		8960.0			12405	124.05	0.00	1240.48	1240.48	15009.79
15	Manufacturing, Providing and supplying Intermediate stem Rods Ø 63mm L-1900 mm- 9 nos	26410.60		1882.0		3554.1	31847	318.47	35.54	3184.67	3184.67	38570.05
16	Manufacturing, Providing and supplying Flanges Male & Female- 10 nos	23298.40	2501.1	7136.0	1259	8292.9	42487	424.87	82.93	4248.74	4248.74	51492.65
17	Providing and supplying Nut for V threaded stem rod Ø 130mm L-140 mm- 4 Nos	3427.60		6410.0		551	10389	103.89	5.51	1038.86	1038.86	12575.72

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 5 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 5 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
	Hoist Body & Frame Assly.											
	Manufacturing, Providing and supplying											
1	Manufacturing, Providing and supplying Hoist Body	7343.10	2665.4	2314.0	335.00	7310.4	19967.90	199.68	73.10	1996.79	1996.79	24234.26
2	Manufacturing, Providing and supplying C.I. Hand wheel	6324.00		2612.0			8936.00	89.36	0.00	893.60	893.60	10812.56
3	Providing and supplying Thrust Bearing No.51217 - 2 nos	16198.00					16198.00	161.98	0.00	1619.80	1619.80	19599.58
4	Manufacturing, Providing and supplying M18x60L M.S. Nut & Bolts & Washers- 12 nos	180.00					180.00	1.80	0.00	18.00	18.00	217.80
5	Manufacturing, Providing and supplying Grease Cap 3 No & Key 1No.	120.00		263.0			383.00	3.83	0.00	38.30	38.30	463.43
6	Manufacturing, Providing and supplying Seamless pipe	1354.75		2676.0			4030.75	40.31	0.00	403.08	403.08	4877.21
7	Manufacturing, Providing and supplying G. M. Nut	6520.00		3747.0			10267.00	102.67	0.00	1026.70	1026.70	12423.07
8	Hoist Bridge & Guide Girder Assly.											
9	Manufacturing, Providing and supplying Hoist Bridge	12190.05	1307.8		443.00	20388	34328.85	343.29	203.88	3432.88	3432.88	41741.79

**ITEM RATES FOR MANUFACTURING WORK
OF SCREW STEM HOIST 5 Ton Cap. FOR THE YEAR 2023-2024**

Sr. No	Items	Screw Stem Hoist 5 Ton Cap.					Total Cost	Inspection & Quality Control Charges (1% of Total Cost)	Labour Amenities Charges 1% on Labour Charges	Overhead Charges 10%	Contractor Profit Charges 10%	Total
		Material Cost	Sundry Material	Machining Cost	Machinery Cost	Labour Cost						
1	2	3	4	5	6	7	8	9	10	11	12	13
10	Manufacturing, Providing and supplying Anchor Bars Ø20 L-1500mm- 8 nos	1601.30		781.0		551	2933.30	29.33	5.51	293.33	293.33	3554.80
11	Manufacturing, Providing and supplying Guide Girder Assly.- 6 pairs	23096.36	461.9	8688.0	114	5097	37457.29	374.57	50.97	3745.73	3745.73	45374.29
12	Stem Rod Assly.											
13	Manufacturing, Providing and supplying V Threaded Stem Rod Ø 50mm L-2150 mm	2026.60		6400.0			8426.60	84.27	0.00	842.66	842.66	10196.18
14	Manufacturing, Providing and supplying Square Threaded Stem Rod Ø 50mm L-1800 mm	1696.69		7680.0			9376.69	93.77	0.00	937.67	937.67	11345.79
15	Manufacturing, Providing and supplying Intermediate stem Rods Ø 50mm L-1200 mm- 4 nos	4526.90		781.0		1102	6409.90	64.10	11.02	640.99	640.99	7767.00
16	Manufacturing, Providing and supplying Flanges Male & Female- 10 nos	5440.70	2296.2	3568.0	993	8292.9	20590.76	205.91	82.93	2059.08	2059.08	24997.75
17	Providing and supplying Nut for V threaded stem rod Ø 100mm L-140 mm- 4 Nos	2366.30		6410.0		551	9327.30	93.27	5.51	932.73	932.73	11291.54

Table No-8
Annexure 1
List of IS codes

1	IS 4622	Recommendations for Structural design of fixed wheel gates
2	IS 2062	Hot rolled low, medium, high tensile Structural steel
3	IS 4623	Recommendations for Structural design of radial gates (Second Revision).
4	IS1030	Carbon steel castings for general engineering purposes.
5	IS28	Phosphor bronze ingots and castings
6	IS305	Specification for Aluminum Bronze ingots and casting
7	IS 318	Specification for leaded tin bronze ingots and casting
8	IS 6911	stainless steel plate , sheet and strip
9	IS 209	Zinc Ingot specification
10	IS 11855	Guidelines for Design and use of Different type of Rubber seals for hydraulic gates.
11	IS 14177	Guidelines for painting system for hydraulic gates and hoists.
12	IS 2485	Drop forged sockets for wire ropes for general engineering purposes
13	IS 325 - 1996	Three phase induction motor specification
14	IS 2266- 2000	Specification of wire ropes.
15	IS7443	Methods for load Rating of Warm Gears
16	IS 10210- 1982	Design of hydraulic hoist for gates.
17	IS 7718- 1991	Recommendations for inspection, testing and maintenance of fixed wheel and slide gates (first revision).
18	IS 9349	Recommendation for structural design of medium and high head slide gates
19	IS210	Geay iron castings
20	IS 6938	Design for rope drum and chain hoist for hydraulic gates
21	IS 1030	Carbon steel and castings
22	IS 7215	Tolerances for fabrication of steel structures.

