



(उ०प्र० सरकार का उपकर्म)

उ०प्र० राज्य सेतु निगम लिमिटेड
U.P. STATE BRIDGE CORPORATION LIMITED
(ISO 9001: 2015 CERTIFIED COMPANY)
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No

Date - -2021

U.P. State Bridge Corporation Ltd. Has well equipped workshops at different places for inhouse fabrication of steel shuttering & centering as required for concrete of different components of bridges. Presently most of the inhouse fabrication of shuttering & centering were carried out at our mechanical/fabrication units at Lucknow, Ghaziabad & Greater Noida. Approximately 18000 M.T. of time bound inhouse fabrication of shuttering & centering was carried out since last seven years. The Corporation has approximately 29000 M.T. steel shuttering & centering for foundation, substructure, super structure of bridges and other concrete structures. In addition to above, presently corporation has 15000 Running Metres of sheet pile & 331Nos Barj.

Corporation has 3200 M.T. Pile Bridges materials for construction of 2200 running meter of steel pile bridge of width 6.0 meter. In addition to above Bridges Corporation has well equipped workshop at Lucknow for inhouse production of bridges consumables such as cutting edge, expansion joint, steel railing chair plate, drainage spout etc

Total Available of Shuttering & Centering As On 31-10-2021

SINO.	Shuttering Details	Size	Unit	Available
1	Well curve		Set	31
2	Well Shuttering	5.0 M Dia	Set	160
		5.5 M Dia	Set	126
		6.0 M Dia	Set	61
		6.5 M Dia	Set	32
		7.0 M Dia	Set	18
		7.5 M Dia	Set	30
		8.5 M Dia & Above	Set	61
3	Well Coller Shuttering	5.0 M Dia	Set	36
		5.5 M Dia	Set	53
		6.0 M Dia	Set	31
		6.5 M Dia	Set	19
		7.0 M Dia	Set	36
		7.5 M Dia	Set	49
		8.5 M Dia & Above	Set	61
4	Pier Shuttering	2.0 M Dia	Set	134
		2.5 M Dia	Set	222
		Hallo Pier 3.0 M Dia	Set	85
		Other Size	Set	142
5	Pier cap truss	-	Set	254
6	Pier cap 7x3x1.45	Side	Set	76
		Bottom	Set	91
7	Pier cap 7.25x3x1.45	Side	Set	10
		Bottom	Set	18
8	Pier cap 6.25x2.7x1.45	Side	Set	8
		Bottom	Set	12
9	Pier cap 6.5x3.0x1.45	Side	Set	30
		Bottom	Set	39
10	Pier cap other size	Side	Set	81
		Bottom	Set	133

11	Beam shuttering	22.0 Span	Set	13
		25.0 Span	Set	19
		28.25 Span	Set	72
12	T Beam 24.0 M Span	Complete set	Set	46
13	I Beam 24.0 M Span		Set	40
14	Beam shuttering	Other size	Set	53
15	Beam Truss with hanger	22.0 M	Set	2
		25.0 M	Set	5
		28.25 M	Set	58
16	Deck Plate	120x90	No.	49307
		200x100	No.	1083
		Other size	No.	14389
17	Deck Cantilever Truss		Rm	10465
18	Crass Barrier		Rm	8210
19	Road Curve		Set	2220

20	R.S.J.	150x75	Rm	143681
		200x100	Rm	36747
		250x125	Rm	17998
		300x140	Rm	57269
		600x210	Rm	5449
		Other size	Rm	10077
21	V.T. Column	Average wt.	Rm	92299

22	Sheet pile		Rm	15000
23	Chequered Plate 6/8 MM		No	5544
21	Barj	7.5x2.5x2	No	331

List of Major M/Cs Available (Working Order) As on 30.09.2021

S. No.	Name of Machine	Total No.in Working	Life of Machine		
			0-5 Year	5-10 Years	Older 10 Year
1	Truck/Mini Truck	46	0	5	41
2	Tanker	4	0	0	4
3	Tipper	50	0	5	45
4	Jeep/Gypsy	29	0	0	29
5	Car	13	0	1	12
6	Crane (Sinking) (18 Ton to 75 Ton)	84	0	0	84
7	Crane Mobile (Capacity 18 to 45 Ton)	1	0	0	1
8	Hydra/Loading Crane (9.0 to 20 Ton)	55	15	25	15
9	Winch 5 Ton (Electric)	22	0	0	22
10	C. C. Mixer 1 Bag	30	0	0	30
11	C. C. Mixer 2 Bag	30	0	0	30
12	C. C. Mixer 4 Bag	2	0	0	2
13	Mini Batching Plant (0-50 Cum/Hr)	88	0	25	63
14	Self Loading Self Propelled Mobile Concrete Mixer	24	10	14	0
15	Batching Plant (30 Cum/Hr.)	29	0	20	9
16	Concrete Pump (Mobile & Stationary) 45 to 90 Cum/Hr)	22	0	10	12
17	Transit Mixer (4 Cum/6Cum)	68	0	10	58
18	Wheel/Pay Loader (2.2 to 0.5 Cum)	12	0	0	12
19	Generator Below 63 KVA	15	0	0	15
20	Generator 63 KVA	275	0	45	230
21	Generator 100/110/125/187	39	0	17	22
22	Generator above 187 KVA(250KVA/400KVA)	10	0	0	10
23	Air Compressor (110 cfm to 315 cfm)	5	0	0	5
24	Power Launch	11	0	5	6
25	Road Roller (Static/Vibratory)	13	0	0	13
26	Excavater	3	0	0	3
27	Hot Mix Plant (120 Ton/Hr)	2	0	1	1
28	Paver Finsher (8.75m)	3	0	0	3
29	Tractor	1	0	0	1
30	Motor Grader	3	0	0	3
31	Trailer with Pulling Unit	5	0	0	5
32	Vibro Hammer 45KW/90KW/209KW	8	0	3	5
33	Diesel Welding Plant	0	0	0	0
34	Bitumin Pressor Distributor	1	0	0	1
35	Bridge Inspection Unit	1	0	0	1
	Total	1004	25	186	793

Availability of Minor Tools & Plant as on 30.09.2021

S. No.	Name of Machine	Capacity	Total Available Number of Machine
1	Pre-Strassing Pump with Jack (Electric) 7/8mm wire	22 Ton	24
2	Pre-Strassing Pump with Jack (Hand) 7/8mm wire	22 Ton	14
3	Pre-Strassing Pump with Jack (Electric) 12T13	200 Ton	119
4	Pre-Strassing Pump with Jack (Electric) 19T13 & 19T 15	400 Ton	44
5	Submersible Pump 25 HP	25 HP	77
6	Submersible Pump 45 HP	45 HP	38
7	Groud Pump with Agitator (Eletric)	0.5 to5 Kg/Cm ²	70
8	Diesel Generator Single Phase	5 to 10 KVA	52
9	Welding Transformer (Air Cooled/Oil Cooled)	300 to 450 Amp.	853
10	Cube Testing Machine (Elert)	2000 KN	77
11	Cube Testing Machine (Hand Operated)	2000 KN	58
12	Electric/Petrol Pin Vibrator	3.0 HP	631
13	Shutter Vibrator 2 KW/1 KW	1 to 2 KW	374
14	Frequency Converter 10 KW	8 to 10 KW	146
15	Sander Machine	4 to 8"	264
16	Grinder Machine (Hand Operated)	0.25 HP	148
17	Grab 1.5 Cu Yd	1.5 CuYd	10
18	Grab 1.0 / 3/4 Cu Yd	0.75 to1.0 Cu Yd	223
19	Chiesel	1.0 to 5.0 Ton	127
20	Chain Pulley Block	5 to 20 Ton	276
21	Pulling Lifting Machine	10 Ton	8
22	Hydraulic Jack 100/50T	50 to 100 Ton	120
23	Pneumatic/Electric Breaker	Nil	60
24	Electric Water Pump 10/7.5/5 HP	5 to 10 HP	140
25	Submersible Pump 3.0/2.0/1.0/0.5 HP	.05 to 3.0 HP	361
26	Jim Screw (Small & Big)	Nil	7
27	Groud Pump (H/O)	0.5 to 1 Kg/Cm ²	12
28	Pneumatic Drill/Hammer	Nil	4
29	Drill Machine	3.0 HP	26
30	Bar Bending/Sheet Cutting M/C	Nil	253
31	Hydraulic Jack for bending of Cutting Edge	100 Ton	20
32	Misc	Nil	50
33	Boring M/C	For S S I	3
	Total		4689

List of Major M/Cs Available (Working Order) As on 30.09.2021

S. No.	Name of Machine	Total No.in Working	Life of Machine		
			0-5 Year	5-10 Years	Older 10 Year
1	Grab 1.5 Cu Yd	10	0	0	10
2	Grab 1.0 / 3/4 Cu Yd	223	0	105	118
3	Chiesel	127	0	101	26
4	Chain Pulley Block	276	0	164	112
5	Pulling Lifting Machine	8	0	0	8
6	Hydraulic Jack 100/50T	120	0	10	110
7	Pneumatic/Electric Breaker	60	0	16	44
8	Electric Water Pump 10/7.5/5 HP	140	0	85	55
9	Submersible Pump 3.0/2.0/1.0/0.5 HP	361	94	106	161
10	Jim Screw (Small & Big)	7	0	4	3
11	Groud Pump (H/O)	12	0	6	6
12	Pneumatic Drill/Hammer	4	0	1	3
13	Drill Machine	26	0	10	16
14	Bar Bending/Sheet Cutting M/C	253	54	99	100
15	Hydraulic Jack for bending of Cutting Edge	20	2	12	6
16	Surface Vib.	18	0	10	8
	Total	1665	150	729	786