

STAND DETAILS

Roughing Mill Section

Sl. No.	Item Details	Qty	Unit
1	20" Inch Roughing Stand Housing, 3 Hi, Bearing Size 24052, Complete Set with Roll Dia 475mm x 1300mm with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc.	1	Set
2	20" Inch Roughing Stand Housing, 2 Hi, Bearing Size 24052, Complete Set with Roll Dia 500mm x 800mm, with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc.	1	Set
3	Fly Wheel - 7 MT complete with bearing chalk & bearing	1	Set
4	1560CD x 1250KW, 3 Stage Helical Gear Box, Ratio 8:1	1	No.
5	460PCD x 3 Hi Pinion Box	1	No.
6	All Other fitting consisting of Hydl. Y Table, Control Panel and other items as per detailed list	1	Lot
7	C.I. Rail (Complete as per detail list)	1	Lot

Intermediate Mill Section

Sl. No.	Item Details	Qty	Unit
1	16" Inch Intermediate Stand complete set with with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc. and rolls of dia 375mm x 700mm, with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc.	6	Set
2	1000CD x 400KW Helical Gear Box of ratios 9.878:1, 6.4:1, 5.5:1, 3.93:1, 2.67:1 & 2.62:1	6	Set
3	360 PCD, 2 Hi Pinion Box	6	Set
4	All Other fitting consisting , Control Panel, Panels, Guide Boxes and other items as per detailed list	1	Lot
5	C.I. Rail (Complete as per detail list)	1	Lot

Finish Mill Section

Sl. No.	Item Details	Qty	Unit
1	14" Inch Intermediate Stand complete set with with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc. and rolls of dia 315mm x 700mm, with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc.	8	Set
2	300CD x 400KW Reduction Gear cum Pinion Box of ratios 2:1, 1.69:1, 1.33:1, 1.117:1, 1.448:1, 1.219:1 etc	8	Set
3	All Other fitting consisting , Control Panel, Panels, Guide Boxes and other items as per detailed list	1	Lot
4	C.I. Rail (Complete as per detail list)	1	Lot

Coil Mill Section

Sl. No.	Item Details	Qty	Unit
1	10" Inch Intermediate Stand complete set with with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc. and rolls of dia 270mm x 500mm, with Universal Cross, Coupling, Wobler Ends, Bearing Chalks, lub rings etc.	4	Set
2	300KW x 160PCD 2 Hi Pinion Box	4	Set
3	All Other fitting consisting , Control Panel, Panels, Guide Boxes and other items as per detailed list	1	Lot
4	C.I. Rail (Complete as per detail list)	1	Lot

Other Items

Sl. No.	Item Details	Qty	Unit
1	Pneumatic Pinch Rolls	4	Set
2	Pneumatic Run/Jog type Tail Breakers	2	Set
3	Continuous Shear with Diverter	1	Set
4	TMT Box - Complete set	2	Set
5	Rotary Shear - Moving Head	1	Set
6	Rotary Shear - Front & Back End Cutting	2	Set
7	Delivery Pipes for complete line	2	Set
8	Hydl. Twin Channel (70 Mtrs) - Complete	1	Lot
9	Pneumatic Lift Off Table	4	Set
10	Conveyor System	1	Lot
11	PLC & Complete Mill Automation System consisting of ABB Make PM590 CPU, PC, HMI Touch Screen, Hi-Speed DI/DOs & AI/AOs	2	Lot
12	820A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For Mill)	3	Set
13	680A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For Mill)	7	Set
14	520A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For Mill)	8	Set
15	260A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For C/Shear)	1	Set
16	100A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For Pre & Post Pinch Roll)	2	Set
17	260A, 4Q, DCS800, ABB make DC Drive Panels - Complete (For Tail Breaker)	2	Set
18	Hydl. Cold Shear, Complete with Power Pack and fittings of W/Capacity 300 Ton	2	Set

Rest details as per attached list containing complete details

OTHER DETAILS

REHEATING FURNACE SECTION & OTHERS

Sl. No.	Item Details	Qty	Unit
1	Re-Heating Furnace 4.2Mtr x 30Mtr complete with gas line, 5A Burners x 4, 3A Burners x 6	1	Set
2	Imported Gasifier for Producer Gas Complete with Blowers, Cyclone Separators, Duct Line etc.	1	Lot
3	Hydraulic Pusher with power pack	2	Set
4	Hydro - Mechanical Ejector	1	Set
5	460PCD x 3 Hi Pinion Box	1	No.
6	Air Blower, 75HP for Furnace Draft	2	No.
7	S.S. Recuperator	1	Set
8	100T Blue Star Make UTM Machine with PC	1	Set
9	Other items as per list of detailed P&M	1	LS

DETAILS OF AC MOTORS - ESTIMATES

Sl. No.	Application	HP	KW	Pole	RPM	Ampere	Insl.	Frame	Qty
1	Roughing Mill	1200	930	8	750	1736	H	560C3	1
2	Air Blower	75	55	4	1500	98.5	F	250MB4	2
3	Ejector	15	11	6	1000	21	F	200MLC6	1
4	Hydl. Ejector	20	15	4	1500	28	F	160MLE4	1
5	Pusher Conveyor	10	7.5	6	1000	15.5	F	160MLC6	1
6	Roughing Mill Conveyor-1	20	15	2	3000	28	F	160MLC4	1
7	Roughing Mill Conveyor-2	20	15	4	1500	28	F	160MLD2	1
8	Roughing Mill Conveyor-3	40	30	4	1500	54.5	F	200MLC4	1
9	Roughing Mill Conveyor-4	25	18.75	4	1500	34.5	F	160ML34	1
10	Roughing Mill Conveyor-4/2	20	15	4	1500	22	F	160MLE4	1
11	Roughing Mill Conveyor-5	10	7.5	6	1000	15.5	F	160MLC6	1
12	Roughing Mill Conveyor-6	10	7.5	6	1000	15.5	F	160MLC6	1
13	Pinch Roll	20	15	8	750	30	F	SC200L	1
14	End Cut Shear	20	15	6	1000	21.5	F	160L	1
15	Front Cut Shear	10	7.5	6	1000	15.5	F	160MLC6	1
16	Hydl. Tilting Table	40	30	4	1500	54.5	F	200MLC4	1
17	R-Water Pump	10	7.5	4	1500	14.8	F	160MLC4	2
18	M-Water Pump	10	7.5	4	1500	14.8	F	160MLC4	3
19	Q-Water Pump	150	110	4	1500	190	F	315MA4	4
20	Twin Channel Water Pump	10	7.5	4	1500	14.8	F	160MLC4	1
21	Ejector Cooling Pump	5	3.7	2	3000	6.6	F	100LB2	1
22	Guide Roll	5	3.7	6	1000	7.7	F	132SME6	1
23	Lube Pump	5	3.7	4	1500	7.5	F	112M4	16
24	Hydl. Twin Channel	25	18.5	4	1500	34.5	F	180MLB4	2
25	Cold Shear - 1	40	30	4	1500	54.5	F	200MLC4	1
26	CB Conveyor	7.5	5	6	1000	12.5	F	132SME6	6
27	Coble Shear	15	11	4	1500	20	F	160M	1
28	Coiler Pinch Roll	30	22	4	1500	40.5	F	180MLC4	1
29	Coiler Conveyor	7.5	5.5	6	1000	12.5	F	132SME6	4
30	Coiler Conveyor	10	7.5	6	1000	15.5	F	160MLC6	5
31	Pinch Roll - Ad	10	7.5	6	1000	15.5	F	160MLC6	2
32	Pinch Roll - Ad	20	15	4	1500	28	F	160MLE4	1
33	Line 2 - Shear 1	10	7.5	6	1000	15.5	F	160MLC6	1
34	Line 2 - Shear 2	30	22	4	1500	40.5	F	180MLC4	1
35	Line 2 - Pinch Roll 1	20	15	4	1500	30	F	160MLE4	1
36	Line 2 - Pinch Roll 2	30	22	6	1000	42	F	200MLC6	1
37	Line 2 - Tail Breaker	30	22	6	1000	42	F	200MLC6	1
38	Line 2 - CB Conveyor	10	7.5	6	1000	12	F	160MLC6	6
39	Line 2 - Cold Shear 2	40	30	4	1500	54.5	H	200MLC4	1
40	Coal Crusher	7.5	5.5	4	1500	12.5	F	132ME4	1
41	Mill Crane LT	5	3.7	4	1500	7.5	F	112M4	2
42	Mill Crane CT	1.5	1.1	6	1000	3	F		1
43	Cooling Fan	3	2.2	4	1500	4.5	F		15
44	Cooling Fan	5	3.7	2	3000	7.5	H		1
45	Lathe-1	10	7.5	6	1000	15.5	F	160MLC6	1
46	Lathe-2	5	3.7	4	1500	7.5	F	112M4	1
47	Lathe-3	5	3.7	4	1500	7.5	F	112M4	1
48	Lathe-4	7.5	5.5	6	1000	12.5	F	132ME6	1
49	Lathe-5	3	2.2	4	1500	4.5	F		1
50	Shaper	3	2.2	4	1500	4.5	F		1
51	Drill	5	3.7	4	1500	7.5	F	112M4	1
TOTAL:									107

LIST OF DC MOTORS - PRESENT ESTIMATES

Sl. No.	Particulars	A	B	C	D	E	F	G	H	I
1	Frame	315M	280S	280SPL	280SPL	280SPL	250MX	180SX	200SX	180SX
2	Rating (KW)	260KW	250KW	225KW	187KW	187KW	187KW	75KW	56KW	30KW
3	Application	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill	Rolling Mill
4	Duty	S1	S1	S1	S1	S1	S1	S1	S1	S1
5	Armature Current (A)	635	603	550	456	456	456	187	143	76
6	Armature Voltage (V)	440	440	440	440	440	440	440	440	440
7	Base Speed (RPM)	1000	1500	1000	1500	1000	1500	1500	1000	1000
8	Top Speed (RPM)	1000	1500	1000	1500	2000	2500	1500	2000	2000
9	Field Voltage (V)	220	220	220	220	220	220	220	220	220
10	Type of Winding	Shunt	Shunt	Shunt	Shunt	Shunt	Shunt	Shunt	Shunt	Shunt
11	Ambient Temperature (°C)	50	50	50	50	50	50	50	50	50
12	Class of Insulation	F	F	F	F	F	F	F	F	F
13	Overloads	Class IV	Class IV	Class IV	Class IV	Class IV	Class IV	Class IV	Class IV	Class IV
14	Overspeeds	BS5000	BS5000	BS5000	BS5000	BS5000	BS5000	BS5000	BS5000	BS5000
15	Protection/Cooling	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06	IP23/IC06
16	Type of Mounting	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot	Foot
17	Shaft/Drive	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct	Direct
18	Quantity (Nos.)	3	2	7	3	4	1	2	2	1