

TECHNICAL DETAILS OF MILL TANDEM (2 NOS.) AND POWER TURBINE (3 NOS.)

A) 1 No. 1st Mill Tandem

Make : Buckau Wolf India Ltd., Pune (B/W)
 Size : 30" x 60"
 No. of mills : Total 6 Nos. mills, now mill No.5 is by-pass.
 Capacity : 2500 tons/day
 Pressure device : Toothed type under feeder roller
 Inter carrier : Apron type – last mill is rack carrier type
 Drive : Compound drive by steam turbine
 Year of installation : 1970-71

1 No. 2nd Mill Tandem

Make : Walchandnagar India Ltd. Pune (WIL)
 Size : 32" x 60"
 No. of mills : 6 Nos. 1 to 5 Nos. mills are WIL Pune make and 1 No. 6th mill is of Ulka Industries Ltd., Pune make
 Two roller mill 820 mm dia. x 1000 mm length.
 Capacity : 3500 tons/day
 Type : Toothed type under feeder roller installed on each mill.
 Inter-carrier : All rack type forged steel box type
 Chain size 6" pitch.
 Drive : Individual by steam turbine
 Year of installation : 1982-83

B) POWER TURBINE:

Make	APE Bellis India Ltd.	APE Bellis India Ltd.
Capacity	1500 KW TG Set	2500 KW TG Set
Quantity of turbine	2 Nos. (for 1 st & 2 nd)	1 No. (for 3 rd)
Type	M.S.T.	M.S.T.
Serial No.	BM/2019/8.BM/2642/B	BM/3078/8
KW	1500	2500
RPM	6000	6000
Inter Pressure	18 to 19 kg./cm ²	19 to 21 kg./cm ²
Temperature	325/350° C	300/340° C
Back pressure	0.9 kg./cm ²	0.9 kg./cm ²
Year of installation	1 st – 1969 2 nd – 1977	3 rd - 1982

DETAILS OF BOILERS:

Boiler make	Texmaco	Texmaco	ISGEC	Texmaco	Texmaco
Boiler Registration No.	GT/1548	GT/1549	GT/1790	GT/2157	GT/2158
Boiler Make No.	--	--	4003	1345	1386
Type	Water tube	Water tube	Water tube	Water tube	Water tube
Working pressure (kg./cm ²)	21.5	21.5	21.0	23.8	23.8
Type of furnace	Horse shoes	Horse shoes	Horse shoes	Speeder stoker	Speeder stoker
Temp. S.H. Outlet (° C)	340	340	340	340	340
Boiler Heating Surface (Sq.Mtr.)	700	700	1104.0	1330.0	1068.3
Evaporation of Boiler (M.Ton/hr.)	20	20	25.0	32	25
Grate Area (M ²)	67.3	67.3	67.3	19.8	19.8
Year of Manufacturing	1970	1970	1977	1981	1981