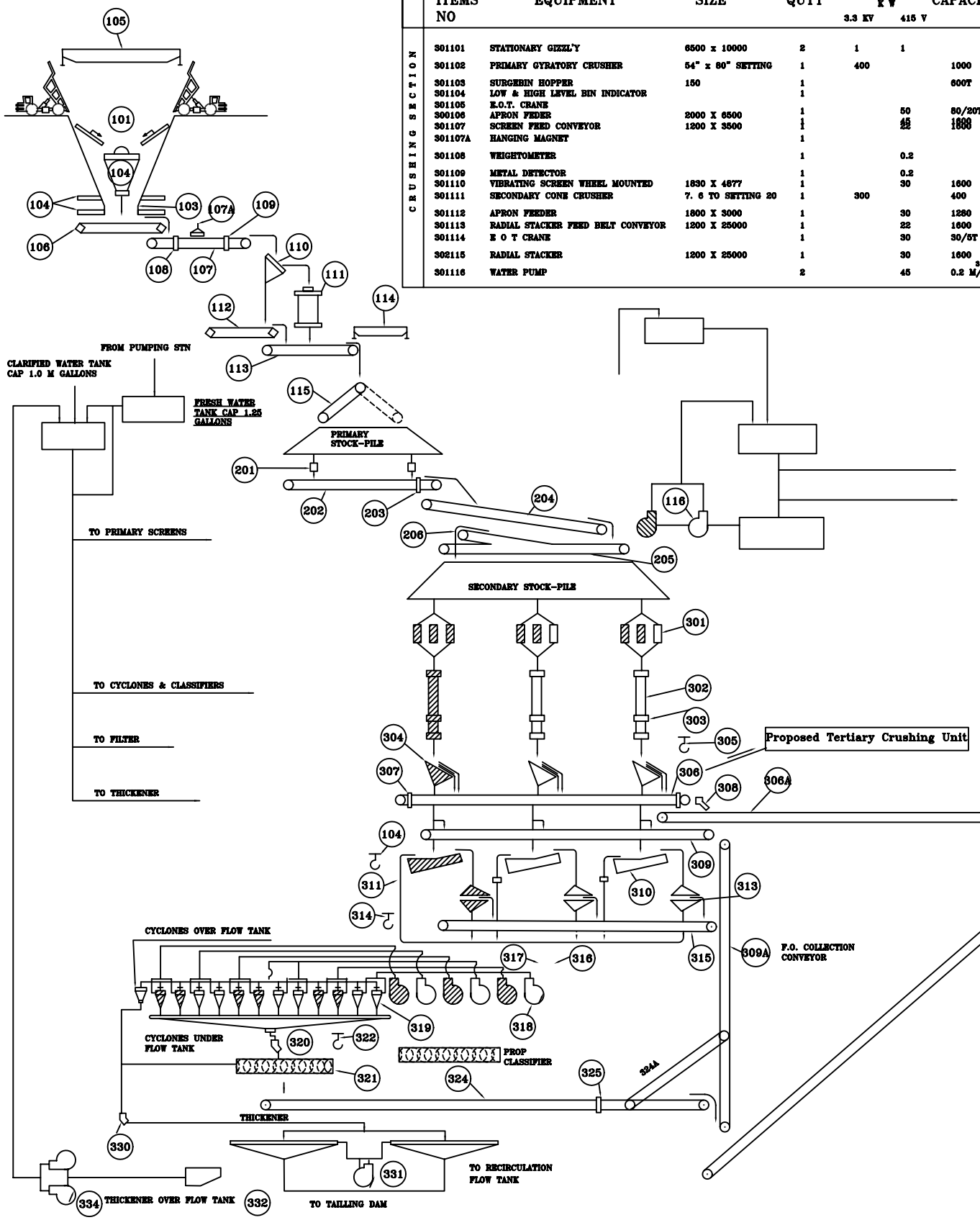
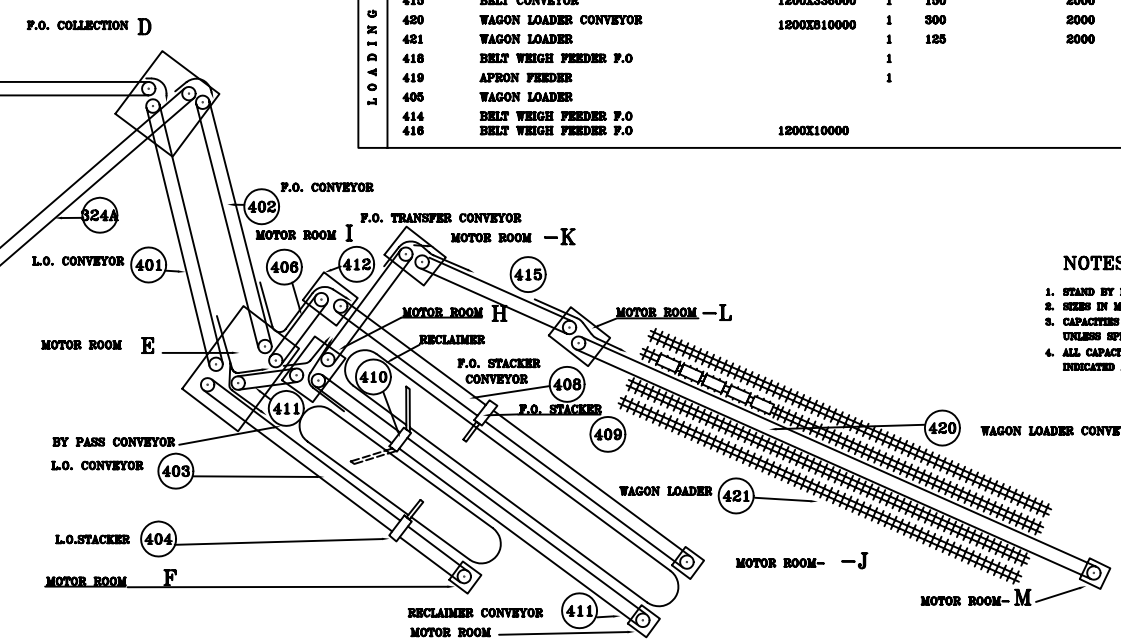
	ITEMS NO	EQUIPMENT	SIZE	QUTY	MOTOR RATING K W 3.3 KV	415 V	CAPACITY	TONNAGE	AUTHORITY	REMARKS
CRUSHING SECTION	301101	STATIONARY GIZZL'Y	6500 x 10000	2	1	1		136	E.P.I	
	301102	PRIMARY GYRATORY CRUSHER	54" x 80" SETTING	1	400		1000			
	301103	SURGEBIN HOPPER	150	1			600T			
	301104	LOW & HIGH LEVEL BIN INDICATOR		1				0.15	E.P.I	
	301105	E.O.T. CRANE								
	300106	APRON FEDER	2000 X 6500	1		50	80/20T	100.0	DRG	
	301107	SCREEN FEED CONVEYOR	1200 X 3500	1		45	1600	46.0	E.P.I	
				1		22	1600	13.0	DRG	
	301107A	HANGING MAGNET		1				8.0	E.P.I	
	301108	WEIGHTOMETER		1		0.2		0.3	E.P.I	
	301109	METAL DETECTOR		1		0.2		0.2	E.P.I	
	301110	VIBRATING SCREEN WHEEL MOUNTED	1830 X 4877	1		30	1600	25.6	E.P.I	
	301111	SECONDARY CONE CRUSHER	7. 6 TO SETTING 20	1	300		400			
	301112	APRON FEEDER	1800 X 3000	1		30	1280	20.4	E.P.I	
	301113	RADIAL STACKER FEED BELT CONVEYOR	1200 X 25000	1		22	1600	16.4	E.P.I	
	301114	E O T CRANE		1		30	30/5T	50.0	ESTIMATED BY DB AS PER SIMILAR CRANE IN BOKARO	
	302115	RADIAL STACKER	1200 X 25000	1		30	1600	31.0	DRG	
	301116	WATER PUMP		2		45	0.2 M^3/M			

	ITEMS NO	EQUIPMENT	SIZE	QUTY	MOTOR RATING K W 3.3 KV	415 V	CAPACITY	TONNAGE	AUTHORITY	REMARKS
DOWN HILL SECTION	302201	APRON FEEDER	2000X6500	2		37	1200	92.0	E.P.I	
	303202	RECLAIM CONVEYOR	1000X287000	1	250		1200	87.0	E.P.I	
	302203	WEIGHTOMETER		1		0.2		0.3	E.P.I	
	303204	DOWN HILL CONVEYOR	1000X571000	1	150		1200	140.0	E.P.I	
	303205	TRIPPER CONVEYOR	1000X146000	1		55	1200	33	DRG	
	303206	TRIPPER (MOTORISED)		1		15	1200	5.5	DRG	
SCREENING SECTION	304301	APRON FEEDER	1200X2970	9		15	600	105.0	DRG	
	305302	SCREEN FEED CONVEYOR	1000X55000	3		15	600	81.8	DRG	
	305303	WEIGHTOMETER		33		0.2		2.4	DRG (FOR 3)	
	305304	DOUBLE DECK VIBRATING SCREEN	1830X4877	1		30	600	19.2	E.P.I	
	305305	HOIST		1		15.5	10T	1.0	E.P.I	
	305306	LUMP ORE CONVEYOR	600X80000	1		15	350	8.5	DRG	
	305306A	LUMP ORE CONVEYOR		1				20.7	DRG	
	305307	WEIGHTOMETER		1		0.2		0.2	E.P.I	
	305308	SAMPLER		1		0.75		0.8	E.P.I	
	305309	FINE ORE CONVEYOR (FOR DRY SCREENING)	1000X70000	1		22	1000	9.4	DRG	
	305309A	FINE ORE COLLECTING CONVEYOR						28.8	DRG	
	305310	CLASSIFIER (RAKE/SCREW)	2436 X 11582 RAKE OR 1830 OFF SPIRAL			40	500	72.0	E.P.I	
	305311	DENSITOMETER		3		0.2				
	305312	HOIST (CHANGE TO 5T U/S CRANE 305312A INSTED OF 305310 DELETED)		1		11	5T	1.0	E.P.I	
	305312A								MECON	
	305313	DEWATERING SCREEN	2436X4877	3		30	300	27.0	E.P.I	
	305314	HOIST		1		11	5T	1.0	E.P.I	
	305315	FINE ORE CONVEYOR	1000X100000	1		30	600	8.4	DRG	
	307316	SAMPLE CUTTING ARRANGEMENT		1			0.75	0.7	E.P.I	
	307317	SLIME DISTRIBUTOR		1		15		4.5	E.P.I	
	307318	CYCLONE FEED PUMP		6		75	3 8.5 M/MIN	18.0	E.P.I	
	307319	HYDRO CYCLONES	24ø	6			6 M/MIN	12.6	DRG	
	307320	SAMPLE CUTTING ARRANGEMENT		1		0.75		0.7	E.P.I	
	307321	SLOW SPEED SPIRAL CLASSIFIER		1		30	200	20.0	E.P.I	
	307322	HOIST (CHANGE TO 5T U/S CRANE 305312A INSTED OF 305310 DELETED)		1		11	51	1.0	E.P.I	
	307322A							5.5	MECON	
	307323	AIR BLOWER/AIR COMPRESSOR		1		30	200 cft/M	7.0	E.P.I	
	307324	FINE ORE CONVEYOR	600X85000	1		22	300	3.7	DRG	
	307324A	FINE ORE CONVEYOR						24.3	DRG	
	307325	WEIGHTOMETER		1		0.2		0.3	E.P.I	
	307326	FILTRATE RECEIVER	1220ø	2				1.2	E.P.I	
	307327	MOISTURE TRAP	1220ø	1				1.0	E.P.I	
	307328	VACUUM PUMP		3	200		3	18.0	E.P.I	
	307329	FILTRATE PUMP		2		15	57.7 M ACTUAL	0.5	E.P.I	
	307330	SAMPLE CUTTING ARRANGMENT		1		1.75		0.7	E.P.I	
	331	THICKENER	36000"	1		15	150			
	332	DISCHAGE VALVE		1						
	334	CLARIFIED WATER PUMP		2	300		19 M/MIN			
	335	HOIST		1		11	5T			
LOADING	401	LUNP ORE CONVEYOR	600X416000	1		18.5	350			
	402	FINE ORE CONVEYOR	1000X415000	1		45	1000			
	403	LUMP ORE STACKER CONVEYOR	6000X405000	1		40	350			
	404	LUMP ORE STACKER		1	125		500			
	406	FINE ORE TRANSFER CONVEYOR	1000X95000	1		45	1000			
	408	FINE ORE STACKER CONVEYOR	1000 X 760000	1	150		1000			
	409	FINE ORE STACKER		1	125		1100			
	410	BUCKET WHEEL RECLAIMER		1	250		2000			
	411	RECLAIMER CONVEYOR	1200X775000	1	200		2000			
	411A	BY PASS CONVEYOR		1						
	412	TRANSFER BELT CONVEYOR	1200X55000	1		45	2000			
	415	BELT CONVEYOR	1200X336000	1	150		2000			
	420	WAGON LOADER CONVEYOR	1200X810000	1	300		2000			
	421	WAGON LOADER		1	125		2000			
	418	BELT WEIGH FEEDER F.O		1						
	419	APRON FEEDER		1						
	405	WAGON LOADER								
	414	BELT WEIGH FEEDER F.O								
	416	BELT WEIGH FEEDER F.O	1200X10000							





NOTES:-

1. STAND BY EQUIPMENT SHOWN THUS
2. SIZES IN MM UNLESS SPECIFIED OTHERWISE
3. CAPACITIES IN M.TONS PER HOUR UNLESS SPECIFIED OTHERWISE
4. ALL CAPACITIES AND MOTOR RATINGS INDICATED AS PER EQUIPMENTS

FOR TS PURPOSE ONLY

NO.	DATE	REMARKS	BY	APPD.	DRG. NO.	DETAILS

REVISIONS — REF DRAWINGS — NOTES

CLEARANCE		
SECTION	BY	DATE

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STEEL AUTHORITY OF INDIA LTD.
सेन्टर फॉर इन्जीनियरिंग एण्ड टेक्नोलॉजी, राँची
CENTRE FOR ENGINEERING & TECHNOLOGY, RANCHI

PLANT (संयंत्र) :- RAW MATERIALS DIVISION

UNIT(इकाई):- MEGHAHATUBURU IRON ORE MINES

FLOW SHEET OF ORE PROCESSING PLANT

DRAWN	SCRIPTRON	SCALE- N.T.S	DRG.NO. :- CET RN 2875 RMI 00 001
DESIGNED	B.KUMAR		REV R= 0
CHECKED	P K SINHA		
APPROVED	P K SINHA		
DATE:	31.07.2008	SIZE- A3	SHEET 1 OF 1

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