

July-2019



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Performance Highlights

July-2019

Production:

- RMD mines achieved 18.27 lakh te (93% of APP) with a growth of 15.2% wrt CPLY.
- Lump production fulfilment is 95% of APP (6.45 lakh T).
- Bolani, Taldih and RMD Mines in total have achieved best ever production in any month of July since inception.
- Kuteshwar Limestone Mines has achieved best ever production in any month of July (1. 16Lakh T) since inception.

Despatch:

- RMD mines achieved Monthly Despatch: 18.84 Lakh Te(93% of APP) with a growth of 11.6% wrt CPLY
- Lump despatch fulfilment is 99.5% of monthly APP (6.92 lakh T). 47000T of additional lump despatched in the month over and above of production resulted in increase of 38000T stock build up in eastern sector Steel Plants.
- Bolani, Taldih, Kalta and RMD Mines in total have achieved best ever despatch in any month of July since inception.
- Bolani, Kalta and RMD Mines in total have achieved best ever Lump despatch in any month of July Since inception.

Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF - Jul- 19					19-20 TILL THE MONTH OF Jul- 19				
	CBT	ACT	%FF	Jul- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	120	103	86	88	17	480	410	85	349	17
MEGHATUBURU	120	96	80	75	28	480	398	83	336	18
BOLANI	155	144	93	133	8	620	565	91	545	4
BARSUA	45	36	80	47	-23	180	149	83	91	64
TALDIH	25	21	84	13	62	85	58	68	68	-15
KALTA	50	33	66	17	94	200	162	81	137	18
GUA	100	84	84	96	-13	400	364	91	365	0
CHIRIA	15	15	100	13	15	75	64	85	54	19
RMD TOTAL	630	532	84	482	10	2520	2170	86	1945	12

PLANTS	COMM	FOR THE MONTH OF - Jul- 19					19-20 TILL THE MONTH OF Jul- 19				
		CBT	ACT	%FF	Jul- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		71.4		55.4	29		268.3	0.0	208.5	29
	FINES		95.6		89.6	7		424.7	0.0	372.5	14
	TOTAL	189	167.0	88	145.0	15	756	693.0	92	581.0	19
DSP	LUMP		30.0		29.8	1		131.4	0	142.1	-8
	FINES		58.0		67.2	-14		249.6	0	272.9	-9
	TOTAL	111	88.0	79	97.0	-9	444	381.0	86	415.0	-8
RSP	LUMP		61.2		54.0	13		240.2	0	210.8	14
	FINES		84.8		78.0	9		382.8	0	325.2	18
	TOTAL	156	146.0	94	132.0	11	624	623.0	100	536.0	16
ISP	LUMP		31.0		32.1	-3		99.3	0	124.1	-20
	FINES		84.0		75.9	11		294.7	0	284.9	3
	TOTAL	144	115.0	80	108.0	6	576	394.0	68	409.0	-4
BSP	LUMP				0			0		0	
	FINES		16.0		0.0	0		79.0	0	4.0	1875
	TOTAL	30	16.0	53	0.0	0	120	79.0	66	4.0	1875
SAIL TOTAL	LUMP		193.6		171.3	13	0	739.2	0	685.5	8
	FINES		338.4		310.7	9		1430.8		1259.5	14
	TOTAL	630	532.0	84	482.0	10	2520	2170.0	86	1945.0	12

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

July 2019

UNIT 000 TONNES

PRODUCTION

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2019-20	TGT	ACT	%FF	LAST YR		Jul 2018	Jul 2018	TGT	ACT	%FF	LAST YR
KIRIBURU 5500	L	1150	85	99	116.0	87	14.0	395	372	94.1	320	16.3	72
	F	3350	235	251	106.9	224	12.3	1160	948	81.7	981	-3.3	
	T	4500	320	350	109.3	310	12.8	1555	1320	84.9	1300	1.5	
MEGHAHATUBURU 5000	L	875	65	68	105.2	86	-20.6	295	297	101	323	-8.2	75
	F	2625	190	212	111.4	135	56.4	875	955	109	806	18.5	
	T	3500	255	280	109.8	221	26.5	1170	1252	107	1129	10.8	
BOLANI 6500	L	2586	215	195	90.5	193	0.8	850	836	98.4	656	27.4	105
	F	3914	320	352	110.0	252	39.8	1265	1445	114	1038	39.2	
	T	6500	535	547	102.2	445	22.8	2115	2281	108	1695	34.6	
BARSUA 2500	L	803	75	61	81.3	46	32.3	270	207	76.8	120	72.3	59
	F	1697	150	89	59.6	85	4.6	560	286	51.1	281	1.8	
	T	2500	225	150	66.8	132	14.3	830	493	59.4	401	22.9	
TALDIH 1000	L	332	28	25	88.1	29	-13.5	110	96	87.1	135	-29.2	62
	F	618	52	45	86.8	15	197.2	206	111	54.1	94	17.9	
	T	950	80	70	87.3	44	59.8	316	207	65.5	230	-9.8	
KALTA 2500	L	1229	95	70	73.4	49	43.2	410	274	66.7	265	3.4	60
	F	1071	85	19	22.9	16	20.4	360	229	63.6	222	3.1	
	T	2300	180	89	49.6	65	37.5	770	503	65.3	487	3.3	
GUA 4000	L	1130	85	84	99.0	96	-12.6	375	350	93.3	378	-7.5	89
	F	2870	220	209	95.2	226	-7.5	960	840	87.5	952	-11.8	
	T	4000	305	293	96.2	323	-9.0	1335	1190	89.1	1330	-10.5	
MANOHARPUR 750	L	375	32	44	137.0	19	130.9	126	118	93.7	115	2.4	47
	F	375	32	4	13.0	27	-84.9	126	111	87.7	85	30.2	
	T	750	64	48	75.0	46	3.3	252	229	90.7	200	14.2	
TOTAL 27750	L	8480	680	645	94.9	604	6.7	2831	2550	90.1	2313	10.2	81
	F	16520	1284	1182	92.1	981	20.5	5512	4925	89.4	4459	10.4	
	T	25000	1964	1827	93.0	1586	15.2	8343	7475	89.6	6772	10.4	

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

July 2019

UNIT 000 TONNES

DESPATCHES

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR Jul 2018	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON				
		2019-20	TGT	ACT	%FF	LAST YR Jul 2018		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END		
KIRIBURU	L	1150	85	103	121.7	87	19.3	390	380	97.5	334	13.9	15	14	7		
	F	3350	245	258	105.3	222	16.1	1200	1097	91.4	918	19.5	1064	922	915		
	T	4500	330	362	109.6	309	17.0	1590	1477	92.9	1252	18.0	1079	936	922		
MEGHAHATUBURU	L	875	70	87	124.3	86	0.8	289	352	122	357	-1.2	97	57	41		
	F	2625	220	267	121.3	189	41.0	928	1127	121	874	28.9	501	337	296		
	T	3500	290	354	122.0	276	28.4	1217	1479	122	1231	20.2	598	394	337		
BOLANI	L	2586	215	203	94.3	196	3.4	860	793	92.2	695	14.2	127	173	162		
	F	3914	330	328	99.3	278	18.0	1330	1227	92.3	1225	0.2	1617	1801	1820		
	T	6500	545	530	97.3	474	11.9	2190	2021	92.3	1920	5.2	1744	1974	1982		
BARSUA	L	803	75	58	77.3	50	16.8	270	221	81.8	110	101.3	19	3	7		
	F	1697	150	65	43.6	110	-40.6	560	286	51.1	193	48.5	284	261	282		
	T	2500	225	123	54.8	160	-22.8	830	507	61.1	302	67.7	303	264	289		
TALDIH	L	332	28	27	97.1	32	-15.2	110	95	86.2	139	-31.8	17	19	18		
	F	618	52	43	82.1	14	200.9	206	102	49.5	88	15.5	27	16	24		
	T	950	80	70	87.4	46	51.1	316	197	62.3	227	-13.4	44	35	42		
KALTA	L	1229	105	92	87.8	47	97.2	420	307	73.1	263	16.9	35	28	6		
	F	1071	85	30	35.1	14	106.2	360	274	76.2	228	20.4	53	12	2		
	T	2300	190	122	64.2	61	99.3	780	581	74.5	490	18.5	88	40	8		
GUA	L	1130	85	75	88.3	100	-24.8	380	330	87	413	-20.0	26	26	27		
	F	2870	220	192	87.1	214	-10.3	960	813	84.7	766	6.2	141	169	192		
	T	4000	305	267	87.4	313	-14.9	1340	1143	85.3	1179	-3.0	167	195	219		
MANOHARPUR	L	375	32	46	144.2	23	103.4	114	124	109	120	3.2	2	1			
	F	375	32	11	32.9	26	-59.9	126	109	86.2	82	33.0	3	12	5		
	T	750	64	57	88.6	49	15.7	240	233	97	202	15.2	3	14	6		
TOTAL	L	8480	695	692	99.5	620	11.6	2833	2603	91.9	2430	7.1	336	322	269		
	F	16520	1334	1193	89.4	1068	11.7	5670	5034	88.8	4373	15.1	3690	3530	3536		
	T	25000	2029	1884	92.9	1688	11.6	8503	7638	89.8	6803	12.3	4026	3852	3805		

IRON ORE MINES PERFORMANCE (ROM & DEVELOPMENT)

July 2019

UNIT 000 TE

DEVELOPMENT										
	FOR MONTH			LAST YR Jul 2018	GRTH %	TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		
KIRIBURU	60	103	171	34	204	670	642	96	462	39
MEGHAHATUBURU	310	271	88	174	56	1480	1050	71	1152	-9
BOLANI	380	118	31	156	-25	1460	561	38	991	-43
BARSUA		51		16	218	300	187	62	55	237
TALDIH	70	43	62	4	928	296	86	29	65	31
KALTA										
GUA	200	26	13	164	-84	960	193	20	692	-72
MANOHARPUR							12		1	1029
TOTAL	1020	612	60	549	12	5166	2730	53	3418	-20.1

ROM										
KIRIBURU	320	350	109	310	13	1555	1320	85	1300	2
MEGHAHATUBURU	332	318	96	316	1	1297	1332	103	1175	13
BOLANI	535	549	103	450	22	2115	2252	106	1711	32
BARSUA	245	159	65	141	13	910	502	55	411	22
TALDIH	80	73	92	71	3	316	218	69	338	-35
KALTA	180	84	47	89	-5	770	549	71	491	12
GUA	305	293	96	323	-9	1335	1190	89	1330	-11
MANOHARPUR	64	48	75	46	3	252	229	91	200	14
TOTAL	2061	1874	91	1746	7	8550	7591	89	6957	9

TOTAL EXCAVATION										
KIRIBURU	380	453	119	344	32	2225	1962	88	1762	11
MEGHAHATUBURU	642	589	92	490	20	2777	2381	86	2326	2
BOLANI	915	666	73	606	10	3575	2813	79	2702	4
BARSUA	245	210	86	157	34	1210	688	57	467	48
TALDIH	150	117	78	75	55	612	304	50	404	-25
KALTA	180	84	47	89	-5	770	549	71	491	12
GUA	505	319	63	487	-34	2295	1383	60	2022	-32
MANOHARPUR	64	48	75	46	3	252	241	95	201	20
TOTAL	3081	2486	81	2295	8	13716	10321	75	10375	-1

Performance against Last Year

Unit in Te	PREVIOUS YEAR EXCAVATION PERFORMANCE 2018-19																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
Apr-18	414550	277830	136720	579990	299790	280200	693432	308108	385324	2365			2365	121796	98306	23490	141140	141140		532303	341000	191303	18700	18700		2504276	1484874	1019402
May-18	464760	365490	99270	660790	297090	363700	697182	468363	228819	109405	88915	20490	111636	89676	21960	144020	144020		571268	341100	230168	70140	70140		2829201	1864794	964407	
Jun-18	538824	346680	192144	595770	262170	333600	705132	485008	220124	197559	181049	16510	94690	79030	15660	117100	117100		431453	325310	106143	65968	64914	1054	2746496	1861261	885235	
Jul-18	343980	310230	33750	489910	315810	174100	605878	449568	156310	157244	141135	16109	75485	71255	4230	89100	89100		486783	322650	164133	46439	46439		2294819	1746187	548632	
Total	1762114	1300230	461884	2326460	1174860	1151600	2701624	1711047	990577	466573	411099	55474	403607	338267	65340	491360	491360		2021808	1330060	691748	201247	200193	1054	10374793	6957116	3417677	
THIS YEAR EXCAVATION PERFORMANCE 2019-20																												
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
	476920	304560	172360	581010	330210	250800	731841	548586	183255	2412	2412		45841	45616	225	176200	176200		334980	290790	44190	92799	84005	8794	2442003	1782379	659624	
Apr-19	513762	305010	208752	600080	348300	251780	677697	570506	107191	256843	180023	76820	53438	53438		159400	159400		373590	292950	80640	62702	61609	1093	2697512	1971236	726276	
May-19	518580	360630	157950	611100	335430	275670	736765	583665	153100	219139	160464	58675	87789	45903	41886	129100	129100		355590	312750	42840	37068	35059	2009	2695131	1963001	732130	
Jun-19	452880	350280	102600	588960	317610	271350	666320	548798	117522	210022	158842	51180	116769	73281	43488	84200	84200		319140	293490	25650	47976	47976		2486267	1874477	611790	
Total	1962142	1320480	641662	2381150	1331550	1049600	2812623	2251555	561068	688416	501741	186675	303837	218238	85599	548900	548900		1383300	1189980	193320	240545	228649	11896	10320913	7591093	2729820	
Change Over Last Year																												
DIFF	200028	20250	179778	54690	156690	-102000	110999	540508	-429509	221843	90642	131201	-99770	-120029	20259	57540	57540		-638508	-140080	-498428	39298	28456	10842	-53880	633977	-687857	
%Chg	11.4	1.6	38.9	2.4	13.3	-8.9	4.1	31.6	-43.4	47.5	22.0	236.5	-24.7	-35.5	31.0	11.7	11.7	-	-31.6	-10.5	-72.1	19.5	14.2	1028.7	-0.5	9.1	-20.1	

Performance against Last Year

Unit in Te

PREVIOUS YEAR PRODUCTION PERFORMANCE 2018-19																											
Kiriburu			Megahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	
Apr-18	73813	204017	277830	82542	217606	300148	93647	217222	310869			39333	29869	69202	79217	88549	167766	92820	248180	341000	18700		18700	480072	1005443	1485515	
May-17	83313	282177	365490	86157	217474	303631	184358	276615	460973	23342	65573	88915	35870	35918	71788	74843	71871	146714	94338	246762	341100	44310	25830	70140	626531	1222220	1848751
Jun-17	75868	270812	346680	68642	235470	304112	185256	292582	477838	50900	129999	180899	31623	13503	45126	61887	45438	107325	94500	230810	325310	33310	31604	64914	601986	1250218	1852204
Jul-17	86553	223677	310230	86047	135257	221304	193161	251857	445018	46105	85412	131517	28502	15190	43692	48711	16190	64901	96275	226375	322650	18981	27458	46439	604335	981416	1585751
Total	319547	980683	1300230	323388	805807	1129195	656422	1038276	1694698	120347	280984	401331	135328	94480	229808	264658	222048	486706	377933	952127	1330060	115301	84892	200193	2312924	4459297	6772221

ge Over Last Year

THIS YEAR PRODUCTION PERFORMANCE 2019-20																											
Kiriburu			Megahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	
Apr-19	96120	208440	304560	80355	231111	311466	235045	320436	555481	1447	965	2412	23020	22596	45616	70273	83074	153346	86470	204320	290790	41031	42975	84006	633761	1113916	1747677
May-19	80463	224547	305010	72935	263700	336635	215460	379261	594721	90186	89837	180023	27238	21392	48630	68818	82737	151555	86275	206675	292950	25831	35778	61609	667206	1303927	1971133
Jun-19	96565	264065	360630	75243	248397	323640	191188	393427	584615	54669	105795	160464	20853	22227	43080	64730	43652	108382	92885	219865	312750	7447	27612	35059	603580	1325040	1928620
Jul-19	98640	251149	349789	68360	211573	279933	194632	352006	546638	60996	89376	150372	24663	45143	69806	69762	19497	89259	84110	209380	293490	43828	4148	47976	644991	1182272	1827263
Total	371788	948201	1319989	296893	954781	1251674	836325	1445130	2281455	207298	285973	493271	95774	111358	207132	273583	228960	502543	349740	840240	1189980	118137	110513	228650	2549538	4925155	7474693

DIFF	52241	-32482	19759	-26495	148974	122479	179903	406854	586757	86951	4989	91940	-39554	16878	-22676	8925	6912	15837	-28193	-111887	-140080	2836	25621	28457	236614	465858	702472
%Chg	16	-3	2	-8	18	11	27	39	35	72	2	23	-29	18	-10	3	3	3	-7	-12	-11	2	30	14	10	10	10

Performance against Last Year

Unit in Te

PREVIOUS YEAR DESPATCH PERFORMANCE 2018-19																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-18	83370	219106	302476	124184	208457	332641	121767	314857	436624				41799	23872	65671	72764	88815	161579	110181	207154	317335	18434		18434	572499	1062261	1634760
May-18	86809	224690	311499	90587	221302	311889	143299	321339	464638	11027	13401	24428	28797	33720	62517	72019	67164	139183	105181	173192	278373	48609	22053	70662	586328	1076861	1663189
Jun-18	77029	251775	328804	55535	254983	310518	233646	310958	544604	48990	69219	118209	36341	16492	52833	71150	57334	128484	97799	171704	269503	30731	33316	64047	651221	1165781	1817002
Jul-18	86744	222210	308954	86332	189169	275501	196074	277784	473858	49665	110036	159701	32062	14194	46256	46764	14455	61219	99794	213607	313401	22688	26287	48975	620123	1067742	1687865
Total	333952	917781	1251733	356638	873911	1230549	694786	1224938	1919724	109682	192656	302338	138999	88278	227277	262697	227768	490465	412955	765657	1178612	120462	81656	202118	2430171	4372645	6802816

THIS YEAR DESPATCH PERFORMANCE 2019-20																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-19	96988	280794	377782	115405	294500	409906	160085	257840	417926	18255	60941	79197	23870	24945	48815	83791	99838	183629	93757	203027	296784	37460	40809	78269	629612	1262695	1892308
May-19	84249	276191	360439	69662	300928	370590	218759	294752	513511	67408	52621	120030	23807	19674	43481	70954	107990	178944	80272	206594	286866	34307	33098	67405	649418	1291848	1941266
Jun-19	95527	281789	377316	80316	264348	344664	211647	346997	558644	77147	107264	184411	19975	14596	34570	60130	36545	96675	81427	211581	293008	6378	24141	30520	632548	1287260	1919808
Jul-19	103456	258082	361538	87011	266761	353772	202773	327706	530480	58008	65353	123360	27185	42716	69901	92230	29799	122029	75013	191694	266707	46149	10536	56685	691826	1192647	1884472
Total	380219	1096856	1477075	352395	1126537	1478932	793265	1227295	2020560	220819	286179	506998	94837	101931	196768	307105	274172	581278	330469	812896	1143365	124295	108584	232879	2603404	5034450	7637854

Change Over Last Year

DIFF	46267	179075	225342	-4243	252626	248383	98479	2357	100836	111137	93523	204660	-44162	13653	-30509	44408	46404	90813	-82486	47239	-35247	3833	26928	30761	173233	661805	835038
%Chg	13.9	19.5	18.0	-1.2	28.9	20.2	14.2	0.2	5.3	101.3	48.5	67.7	-31.8	15.5	-13.4	16.9	20.4	18.5	-20.0	6.2	-3.0	3.2	33.0	15.2	7.1	15.1	12.3

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

बोकारो इस्पात संयंत

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	25	10	40	100	49	49	142	-66	45	118	262	210	459	219	358	28	70	128	183	310	508	164	500	2
MBR	45	64	143	189	187	99	145	29	75	87	117	379	386	102	391	-1	120	152	127	568	573	101	537	7
BOL	65	65	100	245	315	129	179	76	65	66	101	335	234	70	236	-1	130	131	101	580	549	95	415	32
BAR	65	58	89	230	221	96	20	988	100	65	65	355	286	81	144	99	165	123	75	585	507	87	164	208
TAL	15	27	181	65	75	115	10	615	20			93	36	39	88	-59	35	27	78	158	111	70	99	12
KAL	45			180	4	2	196	-98	25			69	33	48	58	-42	70			249	37	15	253	-85
GUA	6	2	39	20	23	116	8	184	6	7	125	32	65	202	30	114	12	10	82	52	88	169	38	129
MPR	6	35	584	38	93	244	62	51	15	4	27	60	43	71	43	1	21	39	186	98	136	138	104	30
RMD TOT	272	262	96	1067	966	91	763	27	351	348	99	1533	1542	101	1348	14	623	610	98	2600	2509	96	2111	19
DRZ																								
PUR																								
GR TOT	272	262	96	1067	966	91	763	27	351	348	99	1533	1542	101	1348	14	623	610	98	2600	2509	96	2111	19
FLUXES																								
KTR	40	44	110	160	148	93	123	20																
TDMR	6	16	263	20	31	153	18	74																
TOT	46	60	130	180	179	99	141	27																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

दूर्गापूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP							FINES							TOTAL									
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB																								
MBR				3			7	-52		25		38	83	220	35	141		25		38	87	228	42	109
BOL	105	88	84	440	330	75	354	-7	169	152	90	644	585	91	560	5	274	241	88	1084	915	84	914	0
BAR																								
TAL																								
KAL																								
GUA	35	21	59	117	131	112	154	-15	50	38	76	186	243	131	330	-26	85	59	69	303	375	124	484	-23
MPR																								
RMD TOT	140	109	78	557	465	84	515	-10	219	216	98	868	912	105	925	-1	359	325	90	1425	1377	97	1439	-4
DRZ																								
PUR																								
GR TOT	140	109	78	557	465	84	515	-10	219	216	98	868	912	105	925	-1	359	325	90	1425	1377	97	1439	-4

FLUXES

KTR	8	4	49	24	24	99	20	19
TDMR								
TOT	8	4	49	24	24	99	20	19

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

राउरकेला इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF			
KRB	60	93	156	290	331	114	192	72	85	120	142	415	457	110	543	-16	145	214	147	705	788	112	736	7	
MBR	25	23	90	100	162	162	201	-19	100	102	102	430	552	128	387	43	125	125	100	530	714	135	588	21	
BOL																									
BAR	10			40			89	-100	50			205			49	-100	60			245				138	-100
TAL	13			45	20	44	129	-85	32	43	133	113	66	58			45	43	95	158	86	54	129	-33	
KAL	60	92	154	240	303	126	67	352	60	30	50	291	241	83	170	42	120	122	102	531	544	102	237	129	
GUA																									
MPR		8			28		51	-45	17	6	38	66	60	91	28	117	17	14	83	66	88	133	79	12	
RMD TOT	168	216	128	715	845	118	730	16	344	302	88	1520	1376	91	1177	17	512	518	101	2235	2220	99	1906	16	
PUR																									
DRZ								6	-100															6	-100
GR TOT	168	216	128	715	845	118	736	15	344	302	88	1520	1376	91	1177	17	512	518	101	2235	2220	99	1912	16	

FLUXES

KTR	4	24	598	36	84	233	35	139
TDMR	4			13	3	21	5	-48
TOT	8	24	299	49	87	177	40	114

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

बर्नपूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	
KRB																3	-100							3	-100
MBR							3	-100		52			105		61	73		52			105			64	64
BOL	45	49	109	175	148	84	162	-9	90	110	122	345	409	118	430	-5	135	159	118	520	556	107	591	-6	
BAR																									
TAL																									
KAL																									
GUA	44	52	118	243	176	72	251	-30	157	112	71	697	415	60	405	2	201	164	82	940	591	63	656	-10	
MPR	26	3	13	76	3	5	8	-54					3		12	-72	26	3	13	76	7	9	19	-65	
RMD TOT	115	105	91	494	327	66	423	-23	247	273	111	1042	932	89	910	2	362	378	104	1536	1259	82	1333	-6	
DRZ																									
PUR																									
GR TOT	115	105	91	494	327	66	423	-23	247	273	111	1042	932	89	910	2	362	378	104	1536	1259	82	1333	-6	
FLUXES																									
KTR																									
TDMR																3	-100								
TOT																3	-100								

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

भिलाई इस्पात संयंत्र

MINE	LUMP								FINES								TOTAL								UNIT '000 TONNES					
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH						
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF			YR	%				
KRB									100	20	20	400	181	45	13	1316	100	20	20	400	181	45	13	1316						
MBR																														
BOL																														
BAR																														
TAL																														
KAL																														
GUA										34				90						34				90						
MPR														3											3					
RMD TOT									100	54	54	400	273	68	13	2039	100	54	54	400	273	68	13	2039						
DRZ																														
PUR																														
GR TOT									100	54	54	400	273	68	13	2039	100	54	54	400	273	68	13	2039						
FLUXES																														
KTR	40	32	80	172	167	97	148	13																						
TDMR	6	4	65	18	19	107	52	-63																						
TOT	46	36	78	190	186	98	200	-7																						

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

July 2019

BSL+DSP+RSP+ISP+BSP

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	85	103	122	390	380	97	334	14	230	258	112	1025	1097	107	918	20	315	362	115	1415	1477	104	1252	18
MBR	70	87	124	289	352	122	357	-1	175	267	152	847	1127	133	874	29	245	354	144	1136	1479	130	1231	20
BOL	215	203	94	860	793	92	695	14	324	328	101	1324	1227	93	1225	0	539	530	98	2184	2021	93	1920	5
BAR	75	58	77	270	221	82	110	101	150	65	44	560	286	51	193	49	225	123	55	830	507	61	302	68
TAL	28	27	97	110	95	86	139	-32	52	43	82	206	102	49	88	15	80	70	87	316	197	62	227	-13
KAL	105	92	88	420	307	73	263	17	85	30	35	360	274	76	228	20	190	122	64	780	581	75	490	19
GUA	85	75	88	380	330	87	413	-20	213	192	90	915	813	89	766	6	298	267	89	1295	1143	88	1179	-3
MPR	32	46	144	114	124	109	120	3	32	11	33	126	109	86	82	33	64	57	89	240	233	97	202	15
RMD TOT	695	692	100	2833	2603	92	2430	7	1261	1193	95	5363	5034	94	4373	15	1956	1884	96	8196	7638	93	6803	12
PUR																								
DRZ							6	-100															6	-100
GR TOT	695	692	100	2833	2603	92	2436	7	1261	1193	95	5363	5034	94	4373	15	1956	1884	96	8196	7638	93	6809	12

FLUXES

KTR	92	104	113	392	423	108	326	30
TDMR	16	20	123	51	53	103	78	-32
TOT	108	123	114	443	475	107	404	18

FLUX MINES OPERATIONS
July 2019

UNIT 000 TONNES

PRODUCTION

MINE		PLAN 2019-20	FOR THE MONTH				GRTH % OVER LSTYR Jul 2018	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Jul 2018		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1200	92	116	126.3	82	42.5	392	426	109	320	33.1
TULSIDAMAR	DOLO	210	16	22	135.0	13	68.3	51	57	112	57	0.1
RMD TOTAL		1410	108	138	127.6	94	46.0	443	483	109	377	28.1

DESPATCHES

MINE		PLAN 2019-20	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1200	92	104	112.7	79	30.5	392	423	108	326	29.7
TULSIDAMAR	DOLO	210	16	20	123.3	21	-4.3	51	53	103	78	-32.0
RMD TOTAL		1410	108	123	114.2	100	23.3	443	475	107	404	17.8

Performance against Last Year

Unit in Te	PREVIOUS YEAR FLUX PERFORMANCE 2018-19					
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-18	65066	71776	13836	22043	78902	93819
May-18	75105	87834	14281	12953	89386	100787
Jun-18	98203	86914	15876	21881	114079	108795
Jul-18	81536	79424	12834	20622	94370	100046
Total	319910	325948	56827	77499	376737	403447

THIS YEAR FLUX PERFORMANCE 2019-20						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-19	103185	103843	4991	6436	108176	110279
May-19	106405	111455	13271	5580	119676	117035
Jun-19	99865	103779	17007	21047	116872	124825
Jul-19	116207	103395	21599	19730	137806	123125
Total	425662	422471	56869	52793	482531	475264

Over Last Year

DIFF	105752	96524	42	-24706	105794	71817
%Chg	33.1	29.6	0.1	-31.9	28.1	17.8

QUALITY ANALYSED AT PLANT

July 2019

बोकारो इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	62.5	3	2.5	10	10	5.5	62.5	3.4	2.6	5	30	6	TDM	NORM	30	18	5	5	10
	MTH ACT	62.5	3.37	2.34	17.3	25.77	5.71	61.7	4.25	2.49	7.92	34.19	6.74		MTH ACT	26.49	18.4	5.4	4.75	7.88
CUM	2019-20	62.64	3.32	2.14	17.77	18.17	5.46	61.79	3.91	2.69	8.55	32.45	6.6	CUM	2019-20	26.52	17.91	5.48	4.33	7.73
CUM	2018-19	62.69	3.48	1.81	15.13	18.65	5.29	62.07	3.84	2.37	9.88	30.63	6.21	CUM	2018-19	28.68	18.79	5.17	5.05	9.06

MBR	NORM	62.5	3.4	2.6	10	10	6	62	4	2.5	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.78	3.2	2.08	16.33	19.39	5.28	61.29	4.74	2.64	6.36	35.13	7.38		MTH ACT	44.14	3.93	3.61	12.77	14.68
CUM	2019-20	63.09	2.82	1.94	17.26	17.81	4.76	61.58	4.4	2.55	5.79	35.46	6.95	CUM	2019-20	43.63	3.24	3.5	10.93	15.47
CUM	2018-19	62.89	3.14	1.89	14.94	19.89	5.03	61.79	4.19	2.47	5.29	35.44	6.66	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

GUA	NORM	62.5	3	2.2	10	10	5.2	62.5	3	2.7	5	40	5.7
	MTH ACT	62.93	3.13	1.87	18.37	17.37	5	61.69	4.17	2.61	3.37	38.2	6.78
CUM	2019-20	63.19	2.41	1.97	20.22	17.27	4.38	61.93	3.65	2.6	3.71	38.8	6.25
CUM	2018-19	63.14	2.75	1.87	20.18	18.68	4.62	62.37	3.44	2.22	3.03	41.02	5.66

BOL	NORM	62.5	2.8	2.5	10	10	5.3	62.5	2.9	2.8	5	30	5.7
	MTH ACT	62.88	2.82	2.21	22.71	16.77	5.03	61.74	4.04	2.6	6.1	35.41	6.64
CUM	2019-20	63.01	2.55	2.29	20.47	17.59	4.84	61.77	3.8	2.77	6.21	35.16	6.57
CUM	2018-19	62.96	2.87	2.03	20.19	17.09	4.9	61.9	3.62	2.66	5.89	34.49	6.28

BAR	NORM	62.5	2.9	3	10	10	5.9	62	3.5	3	5	30	6.5
	MTH ACT	62.54	2.59	2.97	18.12	13.56	5.56	60.72	4.17	3.99	6.1	34.9	8.16
CUM	2019-20	62.76	2.45	2.75	18.92	16.11	5.2	61.07	3.94	3.73	6.19	34.3	7.67
CUM	2018-19	62.75	2.28	2.97	20.11	17.79	5.25	61.52	3.47	3.6	6.1	34.36	7.07

KAL	NORM	63	2.1	2.3	5	10	4.4	63	2.4	2.5	5	40	4.9
	MTH ACT												
CUM	2019-20	64.41	1.86	1.57	8.3	10.2	3.43	63.01	2.89	2.04	4.62	29.49	4.93
CUM	2018-19	63.76	2.13	2.06	6.64	12.96	4.19	63.31	2.45	2.27	4.49	29.85	4.72

MPR	NORM	63	2	2.2	10	10	4.2	63	2.4	2.6	5	40	5
	MTH ACT	63.7	1.97	2.03	11.18	9.29	4						
CUM	2019-20	63.77	1.93	1.95	11.52	8.94	3.88	62.82	3.04	2.15	4.18	28.77	5.19
CUM	2018-19	63.78	2.07	1.91	13	10.83	3.98	63.29	2.48	2.19	4.53	29.54	4.67

TAL	NORM	62.5	2.4	2.4	5	10	4.8	62	3	3	5	40	6
	MTH ACT	63.15	2	2.44	10.7	10.4	4.44						
CUM	2019-20	63.34	1.94	2.33	10.64	11.01	4.27	61.61	3.7	3.14	5.04	30.44	6.84
CUM	2018-19	63.31	2.42	2.14	12.11	14.44	4.56	62.53	2.87	3.02	4.9	30.39	5.89

July 2019
दूर्गापूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
MBR	NORM	62.5	3.4	2.6	10	10	6	62	4	2.5	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT							60.62	6.79	2.49	6.57	43.05	9.28		MTH ACT	47	1.5	3.7	13	31.5
CUM	2019-20	58.8	6.9	2.6	5.2	17.1	9.5	60.81	6.34	2.49	6.6	46.79	8.83	CUM	2019-20	45.97	1.72	4.19	13.74	29.55
CUM	2018-19	61.14	2.53	1.95	17.13	4.09	4.48	61.58	5.04	2.2	4.04	47.09	7.24	CUM	2018-19	46.79	2.11	3.99	18.2	17.77

GUA	NORM	62.5	3	2.2	10	10	5.2	62.5	3	2.7	5	40	5.7
	MTH ACT	60.65	4.75	1.85	12.1	10.7	6.6	62.09	4.44	2.49	3.83	54.22	6.93
CUM	2019-20	62.57	3.05	1.81	13.19	12.83	4.86	62.59	3.26	2.47	4.68	48.7	5.73
CUM	2018-19	62.7	3.12	1.68	20.86	15.61	4.8	63.29	3.01	1.97	2.91	50.58	4.98

BOL	NORM	62.5	2.8	2.5	10	10	5.3	62.5	2.9	2.8	5	30	5.7
	MTH ACT	60.21	6.21	1.74	29.01	11.43	7.95	61.74	4.4	2.41	7.57	40.05	6.81
CUM	2019-20	61.84	3.49	1.93	25.19	12.66	5.42	62.05	3.41	2.68	7.58	41.21	6.09
CUM	2018-19	62.18	2.87	1.94	22.28	14.17	4.81	62.39	3.07	2.61	5.88	41.44	5.68

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FLUX

MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	62.5	3	2.5	10	10	5.5	62.5	3.4	2.6	5	30	6	TDM	NORM	30	18	5	5	10
	MTH ACT	62.33	4.05	2.3	18.43	20	6.35	61.65	4.25	2.38	7	38	6.63		MTH ACT					
CUM	2019-20	62.46	3.35	2.79	15.78	21.48	6.14	61.92	3.54	2.71	7.29	38.28	6.25	CUM	2019-20	29.7	19.7	3.4		
CUM	2018-19	62.57	3.3	2.68	14.73	20.57	5.98	62.07	3.31	2.72	7.5	37.19	6.03	CUM	2018-19					

MBR	NORM	62.5	3.4	2.6	10	10	6	62	4	2.5	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.27	3.97	2.47	20.5	19.5	6.44	61.6	4.28	2.44			6.72		MTH ACT	50.47	2.07	3.31		
CUM	2019-20	62.42	2.93	3.23	19.8	20.1	6.16	61.88	3.54	2.77	9	38.45	6.31	CUM	2019-20	50.53	2.09	3.07		
CUM	2018-19	62.53	3.23	2.82	15.66	20	6.05	62.01	3.41	2.71	8.1	35.62	6.12	CUM	2018-19	49.78	2.61	3.04		

GUA	NORM	62.5	3	2.2	10	10	5.2	62.5	3	2.7	5	40	5.7							
	MTH ACT																			
CUM	2019-20																			
CUM	2018-19	62.6	3.3	2.6	4	41	5.9													

BAR	NORM	62.5	2.9	3	10	10	5.9	62	3.5	3	5	30	6.5							
	MTH ACT																			
CUM	2019-20																			
CUM	2018-19	62.41	3.14	3.08	12.87	22.29	6.22	61.8	3.42	2.98	7.2	34.12	6.4							

KAL	NORM	63	2.1	2.3	5	10	4.4	63	2.4	2.5	5	40	4.9							
	MTH ACT	63.22	2.76	2.3	17.15	13.77	5.06	62.83	2.6	2.36			4.96							
CUM	2019-20	63.33	2.51	2.35	15.7	14.94	4.86	62.9	2.45	2.38	8.52	38.23	4.83							
CUM	2018-19	63.47	2.51	2.16	13.93	16.7	4.67	62.96	2.52	2.09	6.27	34.35	4.61							

MPR	NORM	63	2	2.2	10	10	4.2	63	2.4	2.6	5	40	5							
	MTH ACT	63.27	2.87	2.13	18	15	5	62.4	3.2	2.4	5	38	5.6							
CUM	2019-20	63.31	2.51	2.37	19.44	16.2	4.88	62.89	2.41	2.41	7.66	37.99	4.82							
CUM	2018-19	63.4	2.56	2.27	16.64	15.8	4.83	62.93	2.57	2.38	7.89	35.05	4.95							

TAL	NORM	62.5	2.4	2.4	5	10	4.8	62	3	3	5	40	6							
	MTH ACT							61.92	3.82	2.43			6.25							
CUM	2019-20	62.67	2.88	2.93	14.42	18.95	5.81	62	3.5	2.65	1.61	8.05	6.15							
CUM	2018-19	63.46	2.45	2.26	9.36	17.55	4.71													

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FLUX

MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	62.5	3	2.5	10	10	5.5	62.5	3.4	2.6	5	30	6	TDM	NORM	30	18	5	5	10
	MTH ACT														MTH ACT					
CUM	2019-20													CUM	2019-20					
CUM	2018-19							62.7	2.24	3.35	13.13	41.97	5.59	CUM	2018-19					

MBR	NORM	62.5	3.4	2.6	10	10	6	62	4	2.5	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT							62.67	4.11	2.29	7.02	38.7	6.4		MTH ACT					
CUM	2019-20							62.41	4.21	2.46	8.54	38.7	6.67	CUM	2019-20					
CUM	2018-19	64.79	1.47	1.18	66.82	0.7	2.65	61.27	4.79	3.22	7.97	37.97	8.01	CUM	2018-19					

GUA	NORM	62.5	3	2.2	10	10	5.2	62.5	3	2.7	5	40	5.7							
	MTH ACT	63.44	3.31	1.71	21.17	5.87	5.02	63.44	3.14	1.93	5.91	49.58	5.07							
CUM	2019-20	63.64	2.88	1.99	12.82	5.19	4.87	63.17	3.31	2.39	6.54	45.33	5.7	CUM	2019-20					
CUM	2018-19	63.06	3.05	1.97	23.77	2.77	5.02	62.87	3.49	2.42	5.09	47.62	5.91	CUM	2018-19					

BOL	NORM	62.5	2.8	2.5	10	10	5.3	62.5	2.9	2.8	5	30	5.7							
	MTH ACT	63.91	2.71	1.62	26.49	5.41	4.33	63.04	3.49	2.2	7.73	34.28	5.69							
CUM	2019-20	63.29	3.18	2.17	20.94	4.48	5.35	62.78	3.52	2.53	9.15	40.21	6.05	CUM	2019-20					
CUM	2018-19	62.77	3.37	2.15	20.1	2.01	5.52	61.65	3.96	3.32	8.43	38.89	7.28	CUM	2018-19					

MPR	NORM	63	2	2.2	10	10	4.2	63	2.4	2.6	5	40	5							
	MTH ACT																			
CUM	2019-20							62.65	4.43	2.56	5.78	47.69	6.99	CUM	2019-20					
CUM	2018-19	63.37	2.49	2.12	23.76	3.3	4.61	61.03	4.45	3.97	5.28	47.99	8.42	CUM	2018-19					

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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Gangue%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	62.5	3	2.5	10	10	5.5	62.5	3.4	2.6	5	30	6	TDM	NORM	30	18	5	5	10
	MTH ACT							60.9	7.53	1.81	6.1	49.4	9.34		MTH ACT	28.76	18.35	7.3	27.03	9.87
CUM	2019-20							62.35	4.3	2.43	5.68	41.86	6.73	CUM	2019-20	28.39	18.35	7.6	27.33	10.38
CUM	2018-19							62.75	4.08	2.06	9.07	41.2	6.14	CUM	2018-19	28.53	17.64	8.24	33.75	9.24

MBR	NORM	62.5	3.4	2.6	10	10	6	62	4	2.5	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT														MTH ACT	50.4	1.85	3.79	8.8	23
CUM	2019-20													CUM	2019-20	49.98	2.1	3.87	8.62	16.29
CUM	2018-19							62.32	4.69	1.61	1.1	39.6	6.3	CUM	2018-19	49.83	2.26	3.9	9.19	18.3

GUA	NORM	62.5	3	2.2	10	10	5.2	62.5	3	2.7	5	40	5.7							
	MTH ACT							63.21	3.46	2.25	6.25	45.73	5.71							
CUM	2019-20							64.16	2.67	1.83	1.9	53.92	4.5							
CUM	2018-19																			

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.61	3.35	2.42	14.85	19.99	5.77	0.72	1008420
APP 19-20	62.50	3.00	2.50	10.00	10.00	5.50	0.83	1150000
Apr-19	62.43	3.42	2.57	15.85	19.54	5.99	0.75	98123
May-19	62.53	2.79	3.16	15.16	21.34	5.95	1.13	85576
Jun-19	62.63	3.06	2.87	14.47	22.92	5.93	0.94	81540
Jul-19	62.35	3.98	2.30	18.32	20.56	6.29	0.58	104549
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.48	3.35	2.70	16.09	20.99	6.05	0.80	369788

किरीबुरु

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.09	3.53	2.57	8.45	34.82	6.10	0.73	2869948
APP 19-20	62.50	3.40	2.60	5.00	30.00	6.00	0.76	3350000
Apr-19	61.96	3.76	2.61	7.48	37.31	6.37	0.69	268667
May-19	62.01	3.63	2.90	7.78	38.21	6.53	0.80	277835
Jun-19	62.15	3.45	2.69	7.63	32.71	6.14	0.78	272036
Jul-19	61.61	4.51	2.38	7.35	37.17	6.89	0.53	252007
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.94	3.83	2.65	7.56	36.34	6.48	0.69	1070545

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लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.66	3.19	2.46	15.56	19.79	5.64	0.77	1003297
APP 19-20	62.50	3.40	2.60	10.00	10.00	6.00	0.76	875000
Apr-19	62.96	2.90	2.18	17.98	18.75	5.08	0.75	118908
May-19	62.50	2.93	3.07	19.81	19.71	6.01	1.05	69120
Jun-19	62.70	3.07	2.42	18.63	17.47	5.49	0.79	75562
Jul-19	62.64	3.42	2.19	17.50	19.42	5.61	0.64	77921
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.73	3.06	2.42	18.39	18.81	5.48	0.79	341511

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फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	61.86	3.88	2.62	6.81	36.47	6.50	0.67	2726334
APP 19-20	62.00	4.00	2.50	5.00	30.00	6.50	0.63	2625000
Apr-19	61.93	3.88	2.46	5.54	36.09	6.34	0.63	302274
May-19	61.72	3.94	2.78	7.43	38.62	6.72	0.71	302670
Jun-19	61.73	3.93	2.89	8.52	38.33	6.82	0.74	245894
Jul-19	61.58	4.69	2.48	6.59	37.66	7.18	0.53	278469
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.74	4.11	2.64	6.96	37.64	6.75	0.64	1129307

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.55	2.97	2.01	21.16	12.69	4.98	0.68	2197173
APP 19-20	62.50	2.80	2.50	10.00	10.00	5.30	0.89	2586000
Apr-19	63.10	2.22	2.27	21.08	11.98	4.49	1.02	160023
May-19	62.53	3.01	2.24	18.21	14.02	5.25	0.74	215081
Jun-19	62.76	2.67	2.10	24.48	14.09	4.78	0.79	202516
Jul-19	62.05	4.17	1.87	26.21	11.77	6.04	0.45	197433
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.59	3.05	2.12	22.48	13.04	5.17	0.69	775053

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फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.05	3.47	2.85	6.72	39.22	6.32	0.82	3267584
APP 19-20	62.50	2.90	2.80	5.00	30.00	5.70	0.97	3914000
Apr-19	61.93	3.33	3.13	7.01	45.01	6.46	0.94	251813
May-19	62.45	3.24	2.59	8.03	39.81	5.83	0.80	297107
Jun-19	62.35	3.44	2.60	8.79	38.10	6.04	0.75	340167
Jul-19	62.19	4.01	2.38	7.33	37.14	6.39	0.59	325186
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.24	3.52	2.64	7.85	39.69	6.17	0.75	1214273

गुआ

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.96	3.47	1.88	18.97	7.69	5.34	0.54	1084884
APP 19-20	62.50	3.00	2.20	10.00	10.00	5.20	0.73	1130000
Apr-19	63.45	2.37	2.12	8.58	10.10	4.49	0.89	93991
May-19	63.02	2.84	1.84	10.50	10.31	4.67	0.65	87035
Jun-19	63.52	2.82	1.91	17.35	8.53	4.73	0.68	88072
Jul-19	62.55	3.76	1.76	18.24	7.71	5.52	0.47	79082
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.16	2.92	1.91	13.47	9.22	4.83	0.66	348180

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.99	3.32	2.26	4.25	48.31	5.58	0.68	2402128
APP 19-20	62.50	3.00	2.70	5.00	40.00	5.70	0.90	2870000
Apr-19	62.78	3.16	2.75	5.34	43.03	5.91	0.87	203894
May-19	62.90	3.31	2.37	4.75	46.28	5.68	0.72	213942
Jun-19	63.11	3.17	2.32	6.01	47.33	5.48	0.73	219144
Jul-19	63.03	3.52	2.14	5.41	49.48	5.66	0.61	194160
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.96	3.28	2.39	5.38	46.51	5.68	0.73	831140

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.58	2.71	3.03	16.49	20.04	5.74	1.12	594000
APP 19-20	62.50	2.90	3.00	10.00	10.00	5.90	1.03	803000
Apr-19	62.63	2.36	3.00	16.36	16.33	5.36	1.27	18255
May-19	62.81	2.40	2.75	17.27	15.72	5.15	1.15	64420
Jun-19	62.92	2.42	2.54	21.48	18.28	4.96	1.05	77557
Jul-19	62.54	2.59	2.97	18.12	13.56	5.56	1.15	57323
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.76	2.45	2.75	18.92	16.11	5.21	1.12	217555

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	61.57	3.46	3.50	6.28	34.32	6.96	1.01	1065000
APP 19-20	62.00	3.50	3.00	5.00	30.00	6.50	0.86	1697000
Apr-19	61.45	3.64	3.43	5.86	33.27	7.07	0.94	67951
May-19	60.77	4.18	4.00	6.43	34.11	8.18	0.96	49035
Jun-19	61.20	3.85	3.61	6.35	34.64	7.46	0.94	103928
Jul-19	60.72	4.17	3.99	6.10	34.90	8.16	0.96	72204
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.07	3.94	3.73	6.19	34.30	7.66	0.95	293118

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.43	2.44	2.23	9.97	16.87	4.68	0.91	180621
APP 19-20	62.50	2.40	2.40	5.00	10.00	4.80	1.00	332000
Apr-19	63.54	1.84	2.19	10.80	11.43	4.03	1.19	24261
May-19	62.98	2.36	2.70	12.41	15.94	5.06	1.14	27391
Jun-19	63.14	2.43	2.49	11.97	12.89	4.91	1.03	17089
Jul-19	63.15	2.00	2.44	10.70	10.40	4.44	1.22	27484
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.20	2.14	2.46	11.44	12.68	4.60	1.15	96225

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.53	2.87	3.02	4.90	30.39	5.89	1.05	101338
APP 19-20	62.00	3.00	3.00	5.00	40.00	6.00	1.00	618000
Apr-19	61.79	3.68	2.92	4.94	29.34	6.60	0.79	25767
May-19	61.91	3.11	3.19	6.66	36.90	6.30	1.02	19562
Jun-19	61.72	3.36	3.25	7.10	36.00	6.61	0.97	14989
Jul-19	61.92	3.82	2.43			6.25	0.64	39453
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.85	3.58	2.83	6.04	33.45	6.40	0.79	99771

मनोहरपुर

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.65	2.23	2.02	15.03	11.12	4.24	0.90	406931
APP 19-20	63.00	2.00	2.20	10.00	10.00	4.20	1.10	375000
Apr-19	63.67	2.12	1.95	14.64	10.92	4.07	0.92	36849
May-19	63.71	1.94	2.14	14.25	11.51	4.08	1.11	29189
Jun-19	63.72	1.95	2.10	10.53	8.40	4.05	1.08	11963
Jul-19	63.62	2.13	2.05	12.37	10.29	4.17	0.96	47536
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.67	2.06	2.05	13.30	10.58	4.11	0.99	125537

कालटा

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.57	2.38	2.13	11.41	15.41	4.50	0.89	919599
APP 19-20	63.00	2.10	2.30	5.00	10.00	4.40	1.10	1229000
Apr-19	63.48	2.50	2.11	13.65	15.08	4.61	0.84	79514
May-19	63.36	2.21	2.59	16.00	15.70	4.80	1.17	76324
Jun-19	63.30	2.50	2.40	15.40	15.30	4.90	0.96	56938
Jul-19	63.22	2.76	2.30	17.15	13.77	5.06	0.83	91889
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.34	2.51	2.34	15.62	14.88	4.85	0.93	304665

मनोहरपुर

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.95	2.74	2.44	5.18	32.72	5.18	0.89	338554
APP 19-20	63.00	2.40	2.60	5.00	40.00	5.00	1.08	375000
Apr-19	62.69	2.66	2.37	6.26	34.42	5.03	0.89	35806
May-19	62.97	2.42	2.46	7.37	37.99	4.89	1.02	37045
Jun-19	62.74	3.06	2.36	4.18	29.32	5.43	0.77	23826
Jul-19	62.40	3.20	2.40	5.00	38.00	5.60	0.75	6347
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.79	2.70	2.40	6.10	34.75	5.10	0.89	103024

कालटा

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.03	2.51	2.12	5.94	33.51	4.63	0.85	784000
APP 19-20	63.00	2.40	2.50	5.00	40.00	4.90	1.04	1071000
Apr-19	62.98	2.58	2.19	8.31	35.88	4.77	0.85	96577
May-19	62.92	2.39	2.44	7.95	37.65	4.84	1.02	107867
Jun-19	62.82	2.54	2.39	7.12	37.48	4.93	0.94	45255
Jul-19	62.83	2.60	2.36			4.96	0.91	30255
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.91	2.50	2.34	7.94	36.93	4.84	0.93	279954

ग्रनावर्ता :: बोकारो

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	63.09	2.72	2.09	15.93	16.56	4.81	0.77	2375715
APP 19-20	62.60	2.79	2.57	8.89	10.00	5.36	0.92	3145000
Apr-19	63.24	2.43	2.06	16.27	15.46	4.50	0.85	228569
May-19	63.05	2.39	2.41	16.57	16.20	4.80	1.01	232270
Jun-19	63.05	2.49	2.28	20.67	16.77	4.78	0.92	232875
Jul-19	62.91	2.67	2.35	17.14	15.25	5.02	0.88	257492
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.06	2.50	2.28	17.65	15.90	4.78	0.91	951206

ग्रनावर्ता :: बोकारो

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	61.99	3.65	2.70	6.61	33.32	6.35	0.74	4170000
APP 19-20	62.30	3.31	2.73	5.00	31.88	6.05	0.83	4751000
Apr-19	61.93	3.77	2.59	6.24	32.92	6.37	0.69	438676
May-19	61.60	3.98	2.96	6.70	33.77	6.94	0.74	359616
Jun-19	61.62	3.83	3.00	6.65	34.74	6.84	0.78	387573
Jul-19	61.40	4.32	2.86	6.70	34.89	7.18	0.66	349911
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.65	3.96	2.84	6.56	34.03	6.80	0.72	1535776

ग्रनावर्ता:: दूर्गापूर

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.32	2.94	1.87	21.89	14.50	4.81	0.64	1408030
APP 19-20	62.50	2.83	2.45	10.00	10.00	5.28	0.87	1720000
Apr-19	63.22	1.75	2.00	21.81	13.91	3.75	1.14	107785
May-19	62.08	2.95	1.84	17.51	13.40	4.79	0.62	111280
Jun-19	62.45	3.06	1.95	21.15	12.39	5.01	0.64	138970
Jul-19	60.31	5.87	1.77	25.02	11.26	7.63	0.30	105105
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.06	3.36	1.89	21.30	12.73	5.26	0.56	463140

ग्रनावर्ता:: दूर्गापूर

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.62	3.19	2.37	4.79	44.77	5.56	0.74	2538767
APP 19-20	62.48	2.96	2.77	5.00	32.20	5.73	0.94	2681000
Apr-19	62.01	3.07	3.10	6.63	42.39	6.17	1.01	189194
May-19	62.39	3.19	2.45	6.29	44.54	5.64	0.77	259904
Jun-19	62.24	3.52	2.53	7.02	44.93	6.05	0.72	240565
Jul-19	61.64	4.76	2.44	6.71	43.19	7.20	0.51	223860
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.09	3.64	2.60	6.66	43.87	6.24	0.72	913523

गुणवत्ता :: राउरकेला

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.84	2.99	2.60	14.29	19.37	5.59	0.87	2462000
APP 19-20	62.67	2.70	2.47	7.94	10.00	5.16	0.91	2090000
Apr-19	62.82	3.02	2.53	15.82	18.42	5.55	0.84	206741
May-19	62.80	2.61	2.99	16.81	19.24	5.61	1.15	230306
Jun-19	62.81	2.92	2.74	15.62	19.54	5.66	0.94	179032
Jul-19	62.74	3.45	2.31	18.08	17.12	5.76	0.67	215981
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.80	2.92	2.71	16.62	18.61	5.63	0.93	832060

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.97	3.14	2.04	22.50	2.50	5.18	0.65	1160000
APP 19-20	62.58	2.77	2.30	10.00	10.00	5.06	0.83	1525000
Apr-19	63.31	2.92	2.44	8.28	4.02	5.35	0.84	86829
May-19	62.96	3.67	2.26	11.43	4.99	5.94	0.62	80280
Jun-19	64.09	2.28	1.96	23.14	4.59	4.24	0.86	60360
Jul-19	63.67	3.02	1.67	23.75	5.65	4.68	0.55	101158
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.48	3.02	2.07	16.54	4.86	5.09	0.69	328627

गुणवत्ता :: राउरकेला

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.19	3.21	2.62			5.83	0.82	2764000
APP 19-20	62.34	3.38	2.63	5.00	32.66	6.01	0.78	4704000
Apr-19	62.28	3.20	2.55			5.75	0.80	374287
May-19	62.24	2.92	2.86			5.77	0.98	400258
Jun-19	62.09	3.21	2.79			6.00	0.87	291317
Jul-19	61.80	4.01	2.41			6.42	0.60	296807
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.12	3.29	2.66			5.95	0.81	1362669

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.28	3.76	2.84	6.57	43.68	6.60	0.76	2760000
APP 19-20	62.50	2.97	2.73	5.00	36.91	5.70	0.92	3184000
Apr-19	62.43	3.66	3.07	6.59	50.09	6.73	0.84	173135
May-19	62.92	3.70	2.44	7.87	41.98	6.14	0.66	196080
Jun-19	62.99	3.33	2.45	9.68	38.93	5.78	0.73	293700
Jul-19	63.13	3.47	2.11	6.87	41.25	5.58	0.61	273411
Aug-19								
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.91	3.51	2.46	7.91	42.33	5.97	0.70	936326

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बोकारो इस्पात संयंत्र

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO ₂	OS	US
Act 18-19	28.7	18.79	5.17	5.05	9.06
APP 19-20	30.00	18.00	5.00	5.00	10.00
Apr-19	26.91	17.50	5.22	4.10	7.93
May-19	25.18	17.65	4.83	4.30	8.30
Jun-19	26.74	17.60	5.94	3.93	7.25
Jul-19	26.49	18.40	5.40	4.75	7.88
Aug-19					
Sep-19					
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	26.52	17.91	5.48	4.33	7.73

	CaO	MgO	SiO ₂	OS	US
Act 18-19	43.7	2.42	3.53	6.85	22.69
APP 19-20	50.00	2.25	3.50	5.00	5.00
Apr-19	44.23	2.17	3.39	10.16	14.07
May-19	42.58	2.81	3.42	10.98	15.28
Jun-19	43.23	3.82	3.54	9.03	18.40
Jul-19	44.14	3.93	3.61	12.77	14.68
Aug-19					
Sep-19					
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	43.63	3.24	3.50	10.93	15.47

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बिलाई इस्पात संयंत्र

कुटेश्वर

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 18-19	28.5	17.64	8.24	33.8	9.24
APP 19-20	30.00	18.00	5.00	5.00	10.00
Apr-19	28.84	18.19	7.38	20.84	10.39
May-19	28.46	17.85	8.02	26.50	13.50
Jun-19	27.19	18.89	8.07	23.60	8.00
Jul-19	28.76	18.35	7.30	27.03	9.87
Aug-19					
Sep-19					
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	28.39	18.35	7.60	27.33	10.38

	CaO	MgO	SiO ₂	OS	US
Act 18-19	49.8	2.26	3.9	9.19	18.3
APP 19-20	50.00	2.25	3.50	5.00	5.00
Apr-19	50.13	2.04	3.84	8.10	16.00
May-19	49.09	2.51	4.18	8.66	15.94
Jun-19	50.37	1.95	3.68	8.93	12.33
Jul-19	50.40	1.85	3.79	8.80	23.00
Aug-19					
Sep-19					
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	49.98	2.10	3.87	8.62	16.29



PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO July- 19	MAKE / TYPE	CAP	DATE OF COMMISSION	July-19										2019-2020											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR		
EXCAVATORS [4]																											
BE-18	23133	23133	BEMI,BE-1000	4.5CU.M	31-Jul-08	620	620										2440	2440									
EX-20	24918	25562	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	620	65	380	555	175	89.5	31.5	28.2	7.34	79.14	2440	199	1597	2241	644	91.8	28.7	26.4	6.79	76.63		
EX-22	14347	15832	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	620	18	218	603	385	97.2	63.9	62.1	5.01	69.09	2440	50	906	2391	1485	98.0	62.1	60.9	6.03	62.66		
EX-23	15098	16640	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	620	11	215	609	394	98.2	64.7	63.5	4.61	58.12	2440	94	804	2346	1542	96.1	65.7	63.2	5.14	58.33		
						TOTAL	1860	94	813	1767	954	95.0	54.0	51.3	5.27	66.40	7320	343	3307	6978	3671	95.3	52.6	50.2	5.79	63.29	
DUMPERS [8]																											
DUM-82	26594	26594	BEMI,210M	50Te	13-Apr-04	620	620									-	-	1840	1840								
DUM-84	24408	24408	BEMI,210M	50Te	6-Apr-07	620	620									-	-	1840	1840								
DUM-85	21444	21444	BEMI,210M	50Te	6-Apr-07	620	620									-	-	1840	1840								
DUM-86	21914	21914	BEMI,210M	50Te	10-Jul-07	620	620									-	-	1840	1840								
						TOTAL	2480	2480										7360	7360								
DUM-87	13614	13802	BEMI,BH-85	85Te	30-Mar-08	620	620									-	-	2440	1641	611	799	188	32.7	23.5	7.7	4.39	43.94
DUM 88	29181	29847	KOMATSU HD785-7	100 Te	23-Jul-10	620	325	104	295	191	47.58	64.75	30.81	3.13	40.58	2440	1287	487	1153	666	47.3	57.8	27.3	3.61	40.17		
DUM 89	34269	35123	KOMATSU HD785-7	100Te	23-Jul-10	620	62	295	558	263	90.00	47.13	42.42	3.27	35.93	2440	647	939	1793	854	73.5	47.6	35.0	3.81	37.06		
DUM-91	18341	18693	CAT 777D	100T	2-Feb-12	620	120	354	500	146	80.65	29.20	23.55	4.28	45.89	2440	905	1183	1535	352	62.9	22.9	14.4	5.23	45.11		
DUM-92	20471	21095	CAT 777D	100T	2-Feb-12	620	319	211	301	90	48.55	29.90	14.52	3.39	30.00	2440	757	1059	1683	624	69.0	37.1	25.6	4.16	35.56		
DUM-93	8194	9344	BEMI BH-100	100T	2-May-15	620	32	249	588	339	94.84	57.65	54.68	3.24	45.28	2440	308	982	2132	1150	87.4	53.9	47.1	3.52	45.50		
DUM-94	6521	7367	BEMI BH-100	100T	2-May-15	620	98	264	522	258	84.19	49.43	41.61	3.74	44.86	2440	527	1067	1913	846	78.4	44.2	34.7	3.97	45.96		
DUM-95	5381	5854	BEMI BH-100S	100T	May 2016	620	156	371	464	93	74.84	20.04	15.00	6.24	49.19	2440	286	1681	2154	473	88.3	22.0	19.4	6.46	48.40		
						TOTAL	4340	1112	1848	3228	1380	74.38	42.75	31.80	3.65	42.10	17080	4717	7398	12363	4965	72.4	40.2	29.1	4.14	42.41	
DRILL [4]																											
DM-17	22677	22850	IR-ROTACOL-IDM-30	160mm	24-Mar-05	496	177	215	319	104	64.31	32.60	20.97	8.27	36.06	1952	1412	367	540	173	27.7	32.0	8.9	10.24	33.24		
DM-18	25867	26398	AC-ROTACOL-IDM-30	160mm	19-May-08	496	222	162	274	113	55.24	41.06	22.68	10.96	26.67	1952	485	937	1467	531	75.2	36.2	27.2	9.60	26.13		
DM-19	18828	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	496	496																				
DM-20	10441	11129	AC-ROTACOL-IDM-30	160mm	Oct '14	496	140	204	356	153	71.77	42.84	30.75	9.10	35.93	1952	329	936	1623	688	83.1	42.4	35.2	10.19	27.03		
						TOTAL	1984	1035	580	949	369	47.83	38.88	18.60	9.43	33.14	7808	4178	2239	3630	1391	46.5	38.3	17.8	9.97	27.46	
DOZER [6]																											
DOZ-29	18180	18180	BEMI, D-355	410HP	11-Jun-04	496	496									-	-	1952	1952								
DOZ-30	21843	21866	BEMI, D-355	410HP	8-Jul-07	496	496									-	-	1952	1924	5	28	23	1.4	82.1	1.2		36.96
DOZ-31	19778	20089	BEMI, D-355	410 HP	19-Feb-09	496	310	136	186	50	37.5	26.9	10.1		44.00	1952	980	661	972	311	49.8	32.0	15.9		37.30		
DOZ-32	6614	6792	BEMI, D-355	410 HP	17-Apr-15	496	216	229	280	51	56.5	18.2	10.3		88.24	1952	1435	339	517	178	26.5	34.4	9.1		56.46		
DOZ-33	4439	5298	BEMI, D-356	410HP	22-Sep-17	496	127	175	369	194	74.4	52.6	39.1		32.22	1952	240	854	1712	859	87.7	50.1	44.0		39.66		
DOZ-34	630	1513	BEMI, D-356	410HP	31-Dec-18	496	62	194	434	240	87.5	55.3	48.4		33.13	1952	185	884	1767	883	90.5	50.0	45.2		34.09		
						TOTAL	2976	1707	734	1269	535	42.6	42.2	18.0		39.07	11712	6716	2743	4996	2254	42.7	45.1	19.2		38.45	
PAY LOADER [1]																											
FEL-4	11798	12028	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	248	176	14	72	58	29.03	80.56	23.39			984	356	398	628	230	63.8	36.6	23.4		13.15		
MPTOR GRADER [3]																											
MG-7	6322	6322	BEMI, BG825	280HP	10-Jul-91	248	248								-	-	976	976									32.43
MG-8	3088	3125	BEMI, BG825	280HP	19-May-12	248	64	171	184	13	74.19	7.07	5.24		53.85	976	253	686	723	37	74.08	5.12	3.79				
MG-9		154	BEMI, BG825	280HP	5-Mar-19	248	32	183	216	33	87.10	15.28	13.31		30.30	976	40	783	936	154	95.9	16.40	15.73		20.85		
						TOTAL	744	344	354	400	46	53.76	11.50	6.18		36.96	2928	1269	1469	1659	191	56.66	11.48	6.51		23.10	
WATER TANKER [3]																											
WT-83	20855	20862	BEMI, WS-28-2	28KL	21-Mar-05	620	620								-	-	2440	2433			7	7	0.3	100.0	0.3		
WT-90	12967	13326	BEMI, WS-28-2	28KL	Mar '11	620	601	620	20	100.0	3.1	3.1		10.26	2440	622	1459	1818	359	74.5	19.7	14.7		28.38			
WT-96	248	552	BEMI, WS-28-2																								

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO July-19	MAKE / TYPE	CAPACITY	DATE OF COMM	July-19										2019-2020										
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	F/RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	F/RAT E	HSD/ HR	
EXCAVATORS 4.5 CUM. [1]																										
BE-11	36959	36965	BEML	4.5 CUM	30-09-2005	744	744							-	-	2928	2861	62	67	6	2.3	8.2	0.2	4.4	36	
EXCAVATORS 9.5 CUM. [3]																										
PC-14	31444	32729	KOMATSU	9.5 CUM	20-01-2012	744	185	297	559	262	75.1	46.9	35.2	6.05	87.4	2928	602	1042	2327	1285	79.5	55.2	43.9	6.7	89	
PC-17	16137	17528	KOMATSU	9.5 CUM	24-07-2015	744	182	166	563	397	75.6	70.6	53.4	7.02	85.0	2928	750	787	2178	1391	74.4	63.9	47.5	7.0	89	
PC-18	29267	30313	KOMATSU	9.5 CUM	11-07-2016	744	215	264	529	265	71.1	50.1	35.6	8.20	86.6	2928	721	1162	2208	1046	75.4	47.4	35.7	7.4	88	
						TOTAL	2232	582	727	1651	924	73.9	56.0	41.4	7.1	86.1	8784	2072	2990	6712	3722	76.4	55.5	42.4	7.0	89
DUMPER,50 TE [2]																										
D - 49	28071	28127	BEML	50 TON	05-03-2007	744	597	133	147	14	19.8	9.5	1.9	0.43	21.4	2928	2383	489	545	56	18.6	10.3	1.9	0.9	25	
D - 50	23971	23971	BEML	50 TON	15-04-2007	744	744				-	-	-	-	-	2928	2928							-	-	
						TOTAL	1488	1341	133	147	14	9.9	9.5	0.9	0.43	21.4	5856	5311	489	545	56	9.3	10.3	1.0	0.9	25
DUMPER,100 TE [7]																										
D - 51	29346	30634	KOMATSU	100 TON	01-09-2010	744	119	221	625	404	84.0	64.6	54.3	4.09	39.8	2928	867	773	2061	1288	70.4	62.5	44.0	3.9	40	
D - 52	30670	32182	KOMATSU	100 TON	01-09-2010	744	115	229	629	400	84.5	63.6	53.8	3.67	39.5	2928	607	810	2322	1512	79.3	65.1	51.6	4.1	41	
D - 53	29377	30809	KOMATSU	100 TON	01-09-2010	744	358	120	386	266	51.9	68.9	35.8	4.02	40.8	2928	800	696	2128	1432	72.7	67.3	48.9	3.9	40	
D - 54	15343	15439	CATER	100 TON	06-02-2012	744	744				-	-	-	-	-	2928	2439	393	489	96	16.7	19.6	3.3	3.4	44	
D - 55	17913	18584	CATER	100 TON	06-02-2012	744	93	485	651	166	87.5	25.5	22.3	4.06	47.9	2928	396	1861	2532	671	86.5	26.5	22.9	3.9	45	
D - 56	7648	8626	BEML	100 TON	09-05-2016	744	129	301	615	314	82.7	51.1	42.2	4.11	44.6	2928	920	1030	2008	978	68.6	48.7	33.4	4.0	43	
D - 57	7846	8594	BEML	100 TON	09-05-2016	744	188	450	556	106	74.7	19.1	14.2	3.67	46.2	2928	954	1226	1974	748	67.4	37.9	25.5	3.4	43	
						TOTAL	5208	1746	1806	3462	1656	66.5	47.8	31.8	3.95	42.0	20496	6983	6789	13514	6725	65.9	49.8	32.8	3.9	42
DRILL [4]																										
DM - 7	24127	24367	IR	6 " DIA	01-04-2005	372	221	86	152	66	40.7	43.6	17.7	4.6	33.8	1464	789	436	676	240	46.1	35.5	16.4	6.7	32	
DM - 8	21406	22130	IR	6 " DIA	05-05-2008	372	68	78	305	227	81.9	74.4	60.9	10.6	32.3	1464	369	372	1096	724	74.8	66.0	49.4	10.1	32	
DM - 9	19933	20726	IR	6 " DIA	16-09-2009	372	62	92	310	218	83.3	70.3	58.6	13.0	33.7	1464	306	365	1158	793	79.1	68.5	54.2	12.0	33	
DM - 10	12394	13158	IR	6 " DIA	06-11-2014	372	92	83	280	198	75.3	70.5	53.1	10.6	32.9	1464	341	359	1123	764	76.7	68.0	52.2	12.5	32	
						TOTAL	1488	442	338	1046	708	70.3	67.7	47.6	10.8	33.0	5856	1804	1532	4052	2521	69.2	62.2	43.0	11.1	33
DOZER [7]																										
DOZ-23	21979	22218	BEML	410 HP	02-10-2008	744	744				-	-	-	-	-	2928	1597	1093	1331	239	45.5	17.9	8.1		33	
DOZ-24	18151	18650	BEML	410 HP	06-04-2010	744	120	473	624	151	83.9	24.2	20.3		36.8	2928	967	1462	1962	500	67.0	25.5	17.1		34	
DOZ-25	8260	8481	BEML	410 HP	28-12-2010	744	478	167	266	100	35.8	37.4	13.4		34.7	2928	1413	1294	1515	222	51.7	14.6	7.6		35	
DOZ-26	16680	16924	BEML	410 HP	16-05-2011	744	319	334	425	92	57.1	21.5	12.3		36.6	2928	1795	889	1134	245	38.7	21.6	8.4		35	
DOZ-27	9666	9891	BEML	410 HP	28-04-2015	744	93	583	651	68	87.5	10.4	9.1		36.8	2928	1391	1313	1537	225	52.5	14.6	7.7		35	
DOZ-28	3029	3717	BEML	410HP	31-03-2018	744	93	550	651	101	87.5	15.5	13.6		35.2	2928	650	1590	2279	689	77.8	30.2			33	
DOZ-29	519	1557	BEML	410HP	19-12-2018	744	103	397	641	245	86.2	38.1	32.9		33.9	2928	700	1191	2229	1038	76.1	46.6			33	
						TOTAL	5208	1847	2606	3361	756	64.5	22.5	14.5		35.4	20496	8511	8830	11985	3155	58.5	26.3			34
PAY LOADER [1]																										
PL - 03	3985		HYUNDAI	3.7 CU.M	18-09-2012	744	571	109	173	64	23.3	37.0	8.6		24.2	2928	2374	361	554	193	18.9	6.6	34.8			
BACK HOE [3]																										
BE-12A	22015	22488	BEML	1.2 CUM	Nov'08	744	448	85	296	212	39.8	71.5	28.4		24.3	2928	1906	549	1022	474	34.9	46.3	16.2		24	
HT-15	18637	19504	TCECL	1.5 CUM	03-10-2012	744	229	237	515	279	69.2	54.1	37.4		23.8	2928	968	1094	1961	867	67.0	44.2	29.6		23	
HT-16	12349	13132	TCECL	1.5 CUM	01-12-2014	744	744								-	2928	1488	657	1440	783	49.2	54.4	26.7		24	
						TOTAL	2232	1421	321	811	490	36.3	60.4	22.0		24.0	8784	4362	2299	4423	2124	50.3	48.0	24.2		24
WATER TANKER [3]																										
WT - 05	18960	19667	BEML	28 KL	15.02.07	744	169	540	575	36	77.3	6.2	4.8	0.6	22.5	2928	790	1431	2138	708	73.0	33.1	24.2	0.6	23	
WT - 06	11002	11282	BEML	28 KL	17-08-2012	744	239	400	506	106	67.9	21.0	14.2	0.7	24.1	2928	1878	771								

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO July-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	July-19										2019-2020											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR		
EXCAVATORS [6]																											
EX-25	33609	33617	BEML PC-1000(D)	4.5 CuM	21-Jun-04																8	8	0.37	100.00	0.37		
EX-26	31002	31340	BEML PC-1000(D)	4.5 CuM	24-Jun-05	744	134	553	610	57	82.0	9.3	7.7		41.2	2928	295	2296	2634	338	89.94	12.83	11.54		37.43		
						SUB TOTAL	744	134	553	610	57	82.0	9.3	7.7		41.2	5112	2471	2296	2642	346	51.67	13.10	6.77		36.57	
EX-28	15660	15776	BE-1600	7.5 Cu.m	22-Jun-10	744	699	40	45	5	6.0	11.1	0.7	0.80	60.0	2928	2235	576	693	117	23.67	16.85	3.99	0.35	45.55		
EX-29	25506	26368	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	744	531	141	213	72	28.6	33.8	9.7	4.82	115.3	2928	613	1453	2315	862	79.07	37.25	29.45	4.61	80.33		
EX-30	15028	16493	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	744	14	343	730	387	98.1	53.0	52.0	5.22	75.6	2928	182	1280	2746	1465	93.77	53.37	50.05	4.92	79.18		
EX-31	13363	14624	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	744	17	287	727	440	97.7	60.5	59.1	5.23	73.4	2928	243	1425	2685	1261	91.72	46.95	43.06	5.27	77.69		
						SUB TOTAL	2976	1261	811	1715	904	57.6	52.7	30.4	5.17	77.6	11712	3273	4734	8439	3705	72.06	43.91	31.64	4.82	77.88	
						TOTAL	3720	1395	1364	2325	961	62.5	41.3	25.8	4.86	75.4	16824	5743	7029	11081	4051	65.86	36.56	24.08	4.41	74.35	
DUMPER,50 TE [2]																											
HP-30	17659	17659	C.I.773D(I)	50 T	01-Mar-06	744	744									-	-	2928	2872	56	56		1.91				
HP-32	23497	23834	BEML BH-50M	50 T	06-Mar-08	744	259	428	485	57	65.2	11.8	7.7		18.4	2928	425	2167	2504	337	85.50	13.46	11.51		14.91		
						TOTAL	1488	1003	428	485	57	32.6	11.8	3.8		18.4	5856	3297	2223	2560	337	43.71	13.17	5.75		14.91	
DUMPER,100 TE [8]																											
HP-32A	29825	30886	KOMATSU HD785-7	100 T	22-Jun-10	744	744									-	-	2928	1253	615	1675	1060	57.21	63.29	36.21	3.58	35.90
HP-34	26579	26587	KOMATSU HD785-7	100 T	22-Jun-10	744	744									-	-	2928	2912	8	16	8	0.55	50.00	0.27		
HP-35	15842	16295	BEML BH-100	100 T	22-Jun-10	744	112	309	632	323	84.9	51.1	43.4	0.59	7.3	2928	1398	1076	1530	454	52.25	29.66	15.50	1.19	14.99		
HP-36	11757	12006	BEML BH-100	100 T	22-Jun-10	744	239	305	505	200	67.9	39.5	26.8	0.19	4.1	2928	1572	1107	1356	249	46.30	18.35	8.50	0.43	7.08		
HP-37	19607	20771	CAT 777D	100 T	25-Jan-12	744	183	236	561	325	75.4	57.9	43.6	3.71	30.6	2928	671	1093	2257	1164	77.08	51.59	39.77	3.38	32.13		
HP-38	8907	10233	BEML BH-100S	100 T	03-May-16	744	53	293	692	399	92.9	57.6	53.6	3.27	28.6	2928	232	1370	2696	1326	92.08	49.18	45.29	3.18	33.41		
HP-39	8614	9370	BEML BH-100S	100 T	03-May-16	744	26	308	718	410	96.5	57.1	55.1	3.69	31.3	2928	1356	815	1572	756	53.68	48.12	25.83	3.44	32.16		
HP-40	9440	10282	BEML BH-100S	100 T	03-May-16	744	443	186	302	116	40.5	38.4	15.6	3.68	46.2	2928	1172	914	1757	842	59.99	47.95	28.77	3.14	38.66		
						TOTAL	5952	2543	1638	3409	1771	57.3	52.0	29.8	2.64	24.1	23424	10566	6998	12858	5860	54.89	45.57	25.02	3.05	31.61	
DRILL [4]																											
DM-11	17159	17576	AC-ROTACOL-IDM-30	160mm	14-Feb-08	496	41	321	455	134	91.8	29.4	27.0	15.26	31.4	1952	852	682	1100	418	56.33	37.97	21.39	12.18	30.84		
DM-12	17912	18250	AC-ROTACOL-IDM-30	160mm	12-Aug-09	496	111	304	385	81	77.7	21.0	16.3	15.41	36.5	1952	741	874	1212	337	62.06	27.84	17.28	14.20	31.78		
DM-12A	16453	16848	AC-ROTACOL-IDM-30	160mm	22-Mar-11	496	42	404	454	50	91.5	11.0	10.1	18.94	29.0	1952	285	1271	1667	395	85.38	23.73	20.26	13.40	29.34		
DM-14	9768	10608	AC-ROTACOL-IDM-30	160mm	19-Nov-14	496	78	216	418	202	84.3	48.3	40.7	16.14	34.9	1952	303	809	1650	840	84.50	50.94	43.04	15.70	34.22		
						TOTAL	1984	271	1246	1713	467	86.3	27.3	23.5	16.06	33.5	7808	2181	3637	5627	1990	72.07	35.37	25.49	14.25	32.13	
DOZER [8]																											
DOZ-22	16080	16088	BEML BD355	410 HP	06-Jul-07	496	496									-	-	1952	1936	8	16	8	0.8	50.0	0.4		
DOZ-23	12013	12351	BEML BD355	410 HP	27-Aug-08	496	496									-	-	1952	937	677	1015	338	52.0	33.3	17.3		23.6
DOZ-24	13560	13633	BEML BD355	410 HP	09-Mar-10	496	496									-	-	2000	1564	363	436	73	21.8	16.7	3.7		25.5
DOZ-25	11535	12103	BEML BD355	410 HP	09-Mar-10	712	27	540	685	145	96.2	21.2	20.4		45.0	2184	468	1148	1716	568	78.6	33.1	26.0		44.9		
DOZ-26	7962	8459	BEML BD355	410 HP	03-May-14	616	128	407	489	82	79.3	16.8	13.3		67.1	2072	669	905	1403	498	67.7	35.5	24.0		38.0		
DOZ-27	6542	6894	BEML BD355	410 HP	03-May-14	496	280	140	216	76	43.6	35.1	15.3		42.4	2336	531	1454	1806	352	77.3	19.5	15.1		51.5		
DOZ-28	6479	7066	BEML BD355	410 HP	26-Apr-16	592	10	349	582	233	98.3	40.0	39.4		12.7	2760	90	2083	2670	588	96.7	22.0	21.3		36.0		
DOZ-29		475	BEML BD355	410 HP	15-Apr-19	592	10	349	582	233	98.3	40.0	39.4		37.0	1872	66	1331	1806	475	96.5	26.3	25.4		43.7		
						TOTAL	4496	1942	1785	2554	769	56.8	30.1	17.1		35.2	17128	6261	7968	10867	2899	63.4	26.7	16.9		39.4	
PAY LOADER [3]																											
PL-20	14405	14542	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	744	744									-	-	2928	1747	1044	1181	137	40.33	11.61	4.68		28.12
PL-22	10573	10573	Hyundai-h170-7A	280 HP	26-May-10	744	744									-	-	2928	2928								
PL-23	9742	10820	Kawasaki, 90ZV	257 HP	07-Oct-15	744	26	426	718	292	96.5	40.7	39.2		22.9	2928	34	1815	2894	1079	98.84	37.28	36.84		23.94		
						TOTAL	2232	1514	426	718	292	32.2	40.7	13.1		22.9	8784	4709	2859								

BARSUA IRON MINES

Equipment Performance Report

1

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO July-19	MAKE / TYPE	CAP	DATE OF COMMISSION	July-19											2019-2020										
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD IN LTR	HSD/H R	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/H R	
EXCAVATORS [6]																											
EX-20	25868	26046	BEML,BE-1000	4.5 CuM	Mar-04	648	171	436	477	41	73.6	8.6	6.3	5.66	1550	37.8	1920	322	1420	1598	178	83.2	11.1	9.3	5.63	44.4	
EX-22	19566	19951	BEML,BE-1000	4.5 CuM	22-Dec-08	648	132	439	516	77	79.6	14.9	11.9	7.26	4850	63.0	1920	388	1147	1532	385	79.8	25.1	20.1	7.17	57.3	
EX-23	15937	15939	BEML, BE-1000	4.5CuM	18-Feb-10	648	648							-	-	-	1960	1956	2	4	2	0.2	50.0	0.1		450.0	
EX-27	2175	3054	BEML, BE-1000-1	4.5 CuM	19-Dec-17	648	63	346	585	239	90.3	40.9	36.9	7.05	13750	57.5	1920	292	749	1628	879	84.8	54.0	45.8	7.44	63.9	
					TOTAL	2592	1014	1221	1578	357	60.9	22.6	13.8	6.94	20150	56.4	7720	2958	3318	4762	1444	61.7	30.3	18.7	7.14	60.2	
EX-21	18158	18158	TELCON,1200V-1018	5.9 CuM	28-May-07	648	648							-	-	-	1920	1920									
EX-24	12701	12983	BEML, BE-1600	7.5CuM	04-Aug-11	648	130	300	518	218	79.9	42.1	33.6	6.39	16150	74.1	1896	925	689	971	282	51.2	29.0	14.9	6.73	78.5	
					TOTAL	1296	778	300	518	218	40.0	42.1	16.8	6.38	16150	74.1	3816	2845	689	971	282	25.4	29.0	7.4	30.87	78.5	
DUMPER,50 TE [5]																											
HPD-90	16619	17004	BEML,210M	50T	1-Apr-05	648	80	442	568	126	87.7	22.2	19.4	2.98	4320	34.3	1960	187	1388	1773	385	90.5	21.7	19.6	3.03	31.5	
BH-93	24313	24346	BH-50 M	50T	1-Feb-08	648	469	177	179	2	27.6	1.1	0.3				1920	899	988	1021	33	53.2	3.2	1.7	8.21	50.8	
BH-94	22423	22856	BH-50 M	50T	22-Dec-08	648	61	444	587	143	90.6	24.4	22.1	3.01	4625	32.3	1920	227	1260	1693	433	88.2	25.6	22.6	3.11	31.1	
BH-95	30907	30907	BH-50 M	50T	6-Feb-09	648	648							-	-	-	1896	1896									
BH-96	26092	26092	BH-50 M	50T	20-Aug-09	648	648							-	-	-	1896	1896									
BH-99	23409	23554	BH-50 M	50T	20-Feb-14	648	31	601	617	16	95.2	2.6	2.5	-	400	25.0	2472	85	2242	2387	145	96.6	6.1	5.9		18.8	
					TOTAL	3888	1937	1664	1951	287	50.2	14.7	7.4	3.02	9345	32.6	12064	5190	5878	6874	996	57.0	14.5	8.3	2.78	30.9	
DUMPER,60 TE [3]																											
HPD-101	4393	5579	BEML,BH-60	60 T	16-Nov-17	648	105	162	543	381	83.8	70.2	58.8	2.51	12550	32.9	1896	227	483	1669	1186	88.0	71.1	62.6	2.64	34.9	
HPD-102	4119	5305	BEML,BH-60	60 T	23-Nov-17	648	124	155	524	369	80.9	70.4	56.9	2.50	13070	35.4	1920	237	497	1683	1186	87.7	70.5	61.8	2.63	38.6	
HPD-103		976	BEML,BH-60	61 T	08-May-19	648	69	169	579	410	89.4	70.8	63.3	2.54	12400	30.2	1800	286	538	1514	976	84.1	64.5	54.2	2.64	35.0	
					TOTAL	1296	229	317	1067	750	82.3	70.3	57.9	2.52	25620	34.2	5616	750	1518	4866	3348	86.6	68.8	59.6	1.87	36.3	
DUMPER,100 TE [2]																											
BH-97	10065	10128	BEML,BH-100	100 T	4-Aug-11	648	648							-	-	-	1896	1223	610	673	63	35.5	9.4	3.3	3.98	52.4	
BH-98	8133	8294	BEML,BH-100	100 T	04-Aug-11	648	31	569	617	48	95.2	7.8	7.4	2.92	2533	52.8	1896	118	1617	1778	161	93.8	9.1	8.5	3.55	57.7	
					TOTAL	1296	679	569	617	48	47.6	7.8	3.7	2.92	2533	52.8	3792	1341	2227	2451	224	64.6	9.1	5.9	3.67	56.2	
DRILL [3]																											
DM-7	23658	23664	AC - IDM-30	160mm	29-Jan-98	432	432							-	-	-	1264	914	344	350	6	27.7	1.7	0.5	11.67	25.0	
DM-9	9778	9951	AC - IDM-30	160mm	30-Sep-09	432	33	277	399	122	92.4	30.6	28.2	19.21	4550	37.3	1264	356	735	908	173	71.8	19.1	13.7	17.75	40.8	
DM-10	5013	5318	AC - IDM-30	160mm	14-Jan-15	432	108	250	324	74	75.0	22.8	17.1	14.51	2750	37.2	1264	224	735	1040	305	82.3	29.3	24.1	18.30	37.4	
					TOTAL	1296	573	527	723	196	55.8	27.1	15.1	17.44	7300	37.2	3792	1494	1814	2298	484	60.6	21.1	12.8	18.02	38.4	
DOZER [5]																											
TR-36 (B/V)	14105	14105	BEML,D-155A	320 HP	23-Apr-05	648	648							-	-	-	2616	2592	24	24		0.9					
TR-37	14937	15583	BEML,D-155A	320 HP	22-Jun-07	648	46	392	602	210	92.9	34.9	32.4		6745	32.1	2616	256	1714	2360	646	90.2	27.4	24.7		35.7	
TR-38	15963	16268	BEML, D-355	410 HP	16-Feb-10	648	147	391	501	110	77.3	22.0	17.0		3050	27.7	1896	262	1329	1634	305	86.2	18.7	16.1		33.4	
TR-39	10311	10311	BEML, D-355	410 HP	10-Apr-12	648	648						-	-	-	1896	1736	160	160		8.4						
TR-40	5567	5753	BEML, D-355	410 HP	6-Jun-14	648	135	442	513	71	79.2	13.8	11.0		3170	44.6	1896	593	1117	1303	186	68.7	14.3	9.8		42.6	
					TOTAL	3240	1624	1225	1616	391	49.9	24.2	12.1		12965	33.2	10920	5439	4344	5481	1137	50.2	20.7	10.4		36.5	
PAY LOADER [2]																											
FEL-6	9566	9933	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	324	33	245	291	46	89.8	15.8	14.2		620	13.5	1296	176	753	1120	367	86.4	32.8	28.3		18.7	
FEL-7	5982	6120	HYUNDAI	280 HP	27-Aug-11	324	59	190	265	75	81.8	28.3	23.1		940	12.5	980	247	595	733	138	74.8	18.8	14.1		16.9	
					TOTAL	648	92	435	556	121	85.8	21.8	18.7		1560	12.9	2276	423	1348	1853	505	81.4	27.3	22.2		18.2	
MOTOR GRADER [1]																											
MG-6	7237	7350	BEML BG 825	280HP	14-Sep-02	432	317	87	115	28	26.6	24.3	6.5		670	23.9	1264	669	482	595	113	47.1	19.0	8.9		23.8	
WATER SPRINKLER [3]																											
WS-91	14105	14171	HM / WS-28	28KL	Nov-06	648	624	20	24	4	3.7	16.7	0.6		100	25.0	1896	1171	659	725	66	38.2	9.1	3.5		23.0	
WS-100	4461	4883	BEML / WS-28-2	28KL	29-Apr-15	648	13	603	635	32	98.0	5.0	4.9		592	18.5	1920	121	1377	1799	422	93.7	23.5	22.0		19.2	
					TOTAL	1296	637	623	24	4	1.9	16.7	0.3		692	173.0	3816	1292	2036	2524	488	66.1	19.3	12.8		19.8	
Back Hoe/Rock Breaker [2]																											
EX-26	3228	3551	HYUNDAI/BACKHOE	1.62 CuM	16-Sep-13	324	33	252	291	39	89.8	13.4	12.0		800	20.5	1308	151	834	1157	323	88.5	27.9	24.7		19.9	
EX-25	4464	4752	HYUNDAI/ROCK BREAKER	140HP	10-Sep-13	324	27	196	297	101	91.7	34.0	31.2		950	9.4	948	107	553	841	288	88.7	34.2	30.4		9.4	
					TOTAL	648	60	448	291	39	44.9	13.4	6.0		1750	44.9	2256	258	1387	1998	611	88.6	30.6	27.1		15.0	
Plants						648	23	349	625	276	96	44	43	576			1912	133	926	1779	853	93	48	45	588		



EQUIPMENTS	UTILIS. UPTO Mar'19	UTILIS. UPTO July-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	July-19										2019-2020											
						SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD /HR		
EXCAVATORS[4]																											
D-12A	18064	18064	BE 1000(D)	4.5 CuM	27-Apr-08	744	744									-	-	2928	2928								
D-12	10821	11322	BE 1600	7.5 CuM	16-Feb-11	744	152	292	592	300	79.6	50.7	40.3	4.3	64.0	2928	1959	468	969	501	33.1	51.7	17.1	3.9	57.3		
D-14	25243	26801	KOMATSU	9.5 CuM	06-Apr-12	744	96	155	648	493	87.1	76.1	66.3	4.3	87.6	2928	443	927	2485	1558	84.9	62.7	53.2	6.3	89.0		
D-15	19415	20536	KOMATSU	9.5 CuM	31-Aug-15	744	684	25	60	35	8.1	58.3	4.7	4.3	65.7	2928	1079	728	1849	1121	63.1	60.6	38.3	3.7	77.1		
						TOTAL	2232	932	472	1300	828	58.2	63.7	37.1	4.3	78.1	8784	3481	2123	5303	3180	60.4	60.0	36.2	5.0	79.8	
DUMPER,50 TE[3]																											
R/D-85	18557	18561	BEML-BH-50M	50 Te	Mar- 08	744	744									-	-	2928	2909	15	19	4	0.6	21.1	0.1		50.0
R/D-86	20058	20060	BEML-BH-50M	50Te	Sep-08	744	744									-	-	2928	2909	17	19	2	0.6	10.5	0.1		166.5
R/D-87	17443	17443	BEML-BH-50M	50Te	Dec-08	744	744									-	-	2928	2928								
						TOTAL	2232	2232										8784	8746	32	38	6	0.4	15.8	0.1		88.8
DUMPER,100 TE[6]																											
R/D-88	23684	23684	KOMAT.HD785-7	100 T	10-Sep-10	744	744									-	-	2928	2928								
R/D-89	28005	29743	KOMAT.HD785-7	100 T	10-Sep-10	744	304	68	440	372	59.1	84.5	50.0	2.5	48.9	2928	901	289	2027	1738	69.2	85.7	59.4	2.6	54.9		
R/D-90	18166	19605	CAT 777D	100 T	25-Jan-12	744	210	61	534	473	71.8	88.6	63.6	2.5	53.1	2928	1274	215	1654	1439	56.5	87.0	49.1	2.5	52.8		
R/D-91	15754	16289	CAT 777D	100 T	25-Jan-12	744	744									-	-	2928	2316	77	612	535	20.9	87.4	18.3	2.0	59.9
R/D-92	11283	12227	BEML- BH 100	100 T	27-May-15	744	338	142	406	264	54.6	65.0	35.5	2.0	60.4	2928	1646	338	1282	944	43.8	73.6	32.2	3.0	60.6		
R/D-93	10157	11557	BEML - BH 100	100 T	10-Jun-15	744	338	104	406	302	54.6	74.4	40.6	3.0	55.7	2928	1113	415	1815	1400	62.0	77.1	47.8	2.9	57.8		
						TOTAL	4464	2678	375	1786	1411	40.0	79.0	31.6	2.5	53.9	17568	10178	1334	7390	6056	42.1	81.9	34.5	2.6	56.4	
DRILL[4]																											
DM-10	16316	16815	IR-ROTACOL-IDM-30	160mm	Feb- 04	496	152	130	344	214	69.4	62.2	43.1	25.2	40.7	1952	1158	295	794	499	40.7	62.8	25.6	18.9	35.6		
DM-12A	8475	8497	AC-ROTACOL-IDM-30	160mm	Sep-08	496	496									-	-	1952	1911	19	41	22	2.1	53.7	1.1	8.3	35.2
DM-14	14244	14620	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	496	283	92	213	121	42.9	56.8	24.4	23.7	46.7	1952	1162	414	790	376	40.5	47.6	19.3	17.8	39.7		
DM-15	6836	7313	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	496	496									-	-	1952	1048	427	904	477	46.3	52.8	24.4	17.9	38.6
						TOTAL	1984	1427	222	557	335	28.1	60.1	16.9	24.7	42.8	7808	5279	1155	2529	1374	32.4	54.3	17.6	18.1	37.7	
DOZER[6]																											
DOZ-21	17420	17420	BEML D-355	410 HP	May- 03	496	496									-	-	2192	2192								
DOZ-22	16129	17508	BEML D-355	410 HP	Feb-04	496	57	37	439	402	88.5	91.6	81.0		35.5	2192	574	239	1618	1379	73.8	85.2	62.9		31.6		
DOZ-23	15463	16221	BEML D-355	410 HP	May-08	496	359	57	137	80	27.6	58.4	16.1		20.3	2192	927	507	1265	758	57.7	59.9	34.6		26.9		
DOZ-24	13701	13908	BEML D-355	410 HP	Sep-08	496	389	47	107	60	21.6	56.1	12.1		20.3	2342	1557	578	785	207	33.5	26.4	8.8		33.6		
DOZ-25	8831	9316	BEML D-355	410 HP	25-Apr-14	496	178	160	318	158	64.1	49.7	31.9		27.7	1952	661	806	1291	485	66.1	37.6	24.8		30.7		
DOZ-26	8631	9389	BEML D-355	410 HP	08-Sept-17	496	216	128	280	152	56.5	54.3	30.6		34.6	1952	534	660	1418	758	72.6	53.5	38.8		33.7		
						TOTAL	2976	1695	429	1281	852	43.0	66.5	28.6		31.4	12822	6445	2790	6377	3587	49.7	56.2	28.0		31.0	
PAY LOADER[2]																											
PL-7	12758	12770	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	744	744									-	-	2928	2871	45	57	12	1.9	21.1	0.4		16.7
PL-8	4769	4769	Hyundai-hl770-7A	280 HP	01-Jun-10	744	744									-	-	2928	2928								16.7
						TOTAL	1488	1488										5856	5799	45	57	12	1.0	21.1	0.2		
Back Hoe [2]																											
BACK HOE-02	7965	7965	BEMLBE-300LC	1.2 CU.M	May-09	744	744									-	-	2928	2928								
BACK HOE-03	4384	5458	BEMLBE-300LC	1.25 CU.M	25-Sep-13	744	744									-	-	2928	1615	240	1313	1074	44.8	81.8	36.7		14.0
						TOTAL	1488	1488										5856	4543	240	1313	1074	22.4	81.8	18.3		14.0
Water Sprinkler [2]																											
WT-5	15126	15639	WS-28	28 KL	May-05	496	272	224	224		45.2					-	-	1952	465	974	1487	513	76.2	34.5	26.3		14.9
WT-6	5923	6045	BEML,WS 28-2	28 KL	Jan-09	496	125	333	371	38	74.8	10.2	7.7		14.6	1952	1396	434	556	122	28.5	21.9	6.3		13.2		
						TOTAL	992	397	557	595	38	60.0	6.4	3.8		17.2	3904	1861	1408	2043	635	52.3	31.1	16.3		14.6	
Motor Grader [2]																											
MG-6	4050	4054	BG 605	280HP	May-08	496	448</td																				

EQUIPMENT AVAILABILITY & UTILISATION
Jul-19

UNIT IN %

EQPMT TYPE	NORM	KIRIBURU				MEGHAHATUBURU				BOLANI				BARSUA				GUA					
		MTH		2019-20		MTH		2019-20		MTH		2019-20		MTH		2019-20		MTH		CUM			
		AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT		
DRILL	150 mm	70	70	48	39	46	38	70	68	69	62	86	27	72	35	56	27	61	21	31	57	32	54
SHOVEL	HYD(D) ≤4.5 m ³	70	75							2	8	82	9	52	13	61	23	62	30				
	HYD(D) >4.5 m ³	85	80	95	54	95	53	74	56	76	55	58	53	72	44	40	42	25	29	72	56	60	60
DUMPER	85/ 60 tn	65	75			33	24										82	70	87	69			
	50 tn	70	80					10	10	9	10	33	12	44	13	50	15	57	14	2	16	0	16
	100 tn	85	80	74	43	72	40	66	48	66	50	57	52	55	46	48	8	65	9	43	86	42	82
DOZER		70	70	43	42	43	45	65	22	58	26	57	30	63	27	50	24	50	21	54	56	50	56
CRUSHING PLANT		85	85					89	68	93	67	89	55	91	53								
SCREENING PLANT		85	85					87	63	89	62	89	72	90	72								
OHP		85	85	85	96	88	95	91	66	94	67					96	44	93	48	94	85	93	88

Consumption of Key Consumables in 2019-20
Kiriburu

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2015-16	2021760	758860	2780620	585470	31933017	107099	3648780	178245	2088990	201910	0.10	0.47	5.40	17.95
2016-17	2177112	702490	2879602	573840	31702875	101640	3891780	242370	2663910	0	0.08	0.44	4.66	15.36
2017-18	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
2018-19	1956167	446003	2402170	413826	31857068	83816	3650940	234000	1002060	349644	0.08	0.50	6.52	17.47
2019-20	553607	127688	681295	123452	8909040	23940	1195350	125130	592470	49192	0.06	0.37	4.66	13.07
Apr-19	153128	23205	176333	31340	2212440	1050	264510	40050	144360	28000	0.07	0.41	4.93	2.47
May-19	131458	26608	158066	29170	2272880	3780	260010	45000	187560	21192	0.06	0.34	4.61	8.14
Jun-19	103267	57595	160862	34315	2151160	10920	330630	30000	157950	0	0.07	0.32	4.15	22.01
Jul-19	165754	20280	186034	28627	2272560	8190	340200	10080	102600	0	0.06	0.42	5.02	18.39

Meghahatuburu

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2015-16	2225132	166400	2391532	519270	19481640	115697	3737160	0	1716350	896600	0.08	0.43	3.57	20.70
2016-17	2572886	44085	2616971	515440	17964960	126531	3711060	162000	2828750	234000	0.07	0.39	2.68	19.06
2017-18	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
2018-19	2575594	100790	2676384	572008	18050111	117281	3697950	172500	2645300	300000	0.08	0.41	2.77	18.15
2019-20	879931	66370	946301	185877	5382262	40553	1331550	0	1049600	0	0.08	0.40	2.26	17.03
Apr-19	241434	14290	255724	49387	1248564	8918	330210	0	250800	0	0.09	0.44	2.15	15.35
May-19	240387	6290	246677	49607	1297931	10061	348300	0	251780	0	0.08	0.41	2.16	16.77
Jun-19	205620	19380	225000	45980	1255796	9912	335430	0	275670	0	0.08	0.37	2.05	16.22
Jul-19	192490	26410	218900	40903	1579971	11662	317610	0	271350	0	0.07	0.37	2.68	19.80

Consumption of Key Consumables in 2019-20
Kiriburu

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2015-16	2021760	758860	2780620	585470	31933017	107099	3648780	178245	2088990	201910	0.10	0.47	5.40	17.95
2016-17	2177112	702490	2879602	573840	31702875	101640	3891780	242370	2663910	0	0.08	0.44	4.66	15.36
2017-18	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
2018-19	1956167	446003	2402170	413826	31857068	83816	3650940	234000	1002060	349644	0.08	0.50	6.52	17.47
2019-20	553607	127688	681295	123452	6636480	23940	1205430	115050	592470	49192	0.06	0.37	3.47	13.02
Apr-19	153128	23205	176333	31340	2212440	1050	264510	40050	144360	28000	0.07	0.41	4.93	2.47
May-19	131458	26608	158066	29170	2272880	3780	260010	45000	187560	21192	0.06	0.34	4.61	8.14
Jun-19	103267	57595	160862	34315	2151160	10920	330630	30000	157950	0	0.07	0.32	4.15	22.01
Jul-19	165754	20280	186034	28627	0	8190	350280	0	102600	0	0.06	0.41	0.00	18.08

Meghahatuburu

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2015-16	2225132	166400	2391532	519270	19481640	115697	3737160	0	1716350	896600	0.08	0.43	3.57	20.70
2016-17	2572886	44085	2616971	515440	17964960	126531	3711060	162000	2828750	234000	0.07	0.39	2.68	19.06
2017-18	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
2018-19	2575594	100790	2676384	572008	18050111	117281	3697950	172500	2645300	300000	0.08	0.41	2.77	18.15
2019-20	879931	66370	946301	185877	5382262	40553	1331550	0	1049600	0	0.08	0.40	2.26	17.03
Apr-19	241434	14290	255724	49387	1248564	8918	330210	0	250800	0	0.09	0.44	2.15	15.35
May-19	240387	6290	246677	49607	1297931	10061	348300	0	251780	0	0.08	0.41	2.16	16.77
Jun-19	205620	19380	225000	45980	1255796	9912	335430	0	275670	0	0.08	0.37	2.05	16.22
Jul-19	192490	26410	218900	40903	1579971	11662	317610	0	271350	0	0.07	0.37	2.68	19.80

Consumption of Key Consumables in 2019-20
Bolani

Item	HSD	Expl	Power	Lubricant	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
Unit	(in Liter)	(in kg)	(in KWH)	(in Liter)								
NORM									0.11	0.43	4.8	25
2015-16	2259467	913430	21800400	106130	3598770	1735825	1382700	1085889	0.12	0.40	3.25	18.66
2016-17	2538285	618000	22677280	116550	4014310	1667532	1534785	920488	0.08	0.41	3.14	18.81
2017-18	2514011	935809	20339200	125936	3712455	1543746	1417555	1853008	0.11	0.42	3.05	21.06
2018-19	2490224	1024680	19637760	115744	3977468	1676535	1370685	1606906	0.12	0.40	2.80	18.76
2019-20	858438	354938	6949200	47234	1652940	598615	327420	233648	0.13	0.39	2.69	21.58
Apr-19	205659	99296	1673040	13316	382755	165831	84265	98990	0.14	0.39	2.64	24.97
May-19	211646	77310	1754160	10370	415785	154721	63955	43236	0.11	0.40	2.76	19.59
Jun-19	228123	92800	1812000	12572	429200	154465	106500	46600	0.13	0.39	2.63	21.46
Jul-19	213010	85532	1710000	10976	425200	123598	72700	44822	0.13	0.39	2.75	20.33

Gua

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.09	0.55	4.6	25
2015-16	2632296	18880	2651176	413320	18358728	92732	3565810	284938	1540315	198718	0.08	0.51	3.60	17.91
2016-17	2933129	2804	2935933	438030	18480528	106696	3774559	239976	1554059	0	0.08	0.54	3.32	19.80
2017-18	3087765	2220	3089985	388490	18466944	105288	4002700	0	1573793	0	0.07	0.55	3.31	18.88
2018-19	3090800	0	3090800	422803	18845542	110814	3307804.77	363065	1345070	762619	0.08	0.63	3.76	22.46
2019-20	919420	17735	937155	148182	6165288	34734	1189980	0	193320	0	0.11	0.68	4.46	25.11
Apr-19	235465	5600	241065	41226	1431744	9646	290790	0	44190	0	0.12	0.72	4.27	28.80
May-19	223658	2000	225658	38149	1615872	10514	292950	0	80640	0	0.10	0.60	4.33	28.14
Jun-19	241210	6825	248035	27832	1600272	3584	312750	0	42840	0	0.08	0.70	4.50	10.08
Jul-19	219087	3310	222397	40974	1517400	10990	293490	0	25650	0	0.13	0.70	4.75	34.44

Consumption of Key Consumables in 2019-20

Brasua -Taldih

Item	HSD			Expl	Power	Lubricant	BARSUA ROM	TALDIH ROM	BARSUA OB		TALDIH OB		EXPL	HSD	POWER	LUB
	(in Liter)		(in kg)						DEPTT	CONT	DEPTT	CONT				
NORM	MINES	DGSET	TOTAL						0.08	0.46	4.90	25.00				
2015-16	1230145	6660	1236805	265250	15780840	47362	0	0	2384140	0	0	0	0.11	0.52	6.62	19.87
2016-17	934836	0	934836	188625	15520680	46730	0	173700	1804950	0	294165	0	0.10	0.45	7.84	22.26
2017-18	386285	0	386285	95062	13554044	11893	0	1052111	85675	0	206145	0	0.07	1.32	11.91	40.75
2018-19	1569967	86653	1656620	161280	11762332	31131	1951980	469148	385666	0	65340	0	0.06	0.63	4.89	12.96
2019-20	401286	19465	420751	81738	4358398	14910	501741	218238	186675	0	0	85599	0.08	0.61	6.33	21.66
Apr-19	29027	3270	32297	8650	945837	1050	2412	45616	0	0	0	225	0.18	13.39	392.14	435.32
May-19	131976	340	132316	29956	1419687	4200	180023	53438	76820	0	0	0	0.10	0.52	5.53	16.35
Jun-19	128999	2140	131139	21756	655557	3780	160464	45903	58675	0	0	41886	0.07	0.60	2.99	17.25
Jul-19	111284	13715	124999	21376	1337317	5880	158842	73281	51180	0	0	43488	0.07	0.60	6.37	28.00

	Kalta					Manoharpur						Taldih			D Area & Panposh			
	HSD (in Liter)	Expl (in kg)	Power (in KWH)	Lubricant (in Liter)	Excavation (T)	Explosive Kg/T Excav	HSD (in Liter)	Expl (in kg)	Power (in KWH)	Lubricant (in Liter)	Excavation (T)	Explosive Kg/T Excav	Expl (in kg)	Excavation (T)	Explosive Kg/T Excav	Expl (in kg)	Excavation (T)	Explosive Kg/T Excav
2017-18	59801	147425	1468000	420	1524560	0.10	112989	69000	1717011	784	44830	1.54	89700	1258255	0.07		3158815	0.00
2018-19	52204	149850	1328188	0	1717832	0.09	83138	88300	2255330	2293	733489	0.12	35925	534488	0.07	256875	2665550	0.10
2019-20	23698	45850	276300	510	548900	0.08	28212	23225	534564	191	240545	0.10	32200	303837	0.11	59761	828243	0.07
Apr-19	4590	12400	82780	510	176200	0.07	6627	5825	122945	11	92799	0.06	8650	45841	0.19	18528	264821	0.07
May-19	3985	7875	86460	0	159400	0.05	6260	4800	138078	24	62702	0.08	6850	53438	0.13	11674	197957	0.06
Jun-19	7580	13550	54420	0	129100	0.10	8394	6600	131659	12	37068	0.18	8500	87789	0.10	21057	197045	0.11
Jul-19	7543	12025	52640	0	84200	0.14	6931	6000	141882	144	47976	0.13	8200	116769	0.07	8503	168420	0.05

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL

Status as on July' 2019

MINE	GRANTED	VALID	AREA	RENEWAL	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)		
	ON	UPTO	(in ha)	APPL.DATE					
KBR-MBR									
Lease-I	28.03.60	31.03.20	1936.06	17.02.09	Stage-II FC [644.26 Ha] granted by MoEF&CC vide letter dated 26.11.2014. Stage-I FC of South & Central Block (247.5 Ha) was granted by MoEFCC on 18.10.2010. Compliance report has been submitted well within the time & State Govt. forward the proposal to MoEFCC on 13.07.2015. Further, compliance of the queires were forwarded by State Govt. to MoEFCC on 05.04.2016. After approval of MPSM on 08.06.2018, MoEFCC, ND requested GoJ on 26.06.2018 to provide some informations related to CA, Lease validity etc. In compliance to the asked information of Ministry, report submitted to DFO on 19.07.2018/31.07.2018 and final recommendation has been forwarded to MoEFCC, Gol on 08.11.2018 but same has been returned back to the Govt. of Jharkhand on 18.03.2019 seeking for some clarification especially the acceptance of earlier identified CA land. After consultation with concerned DFO, it was clarified that the earlier identified 500 ha CA land was now unacceptable for CA purpose due to forest growth. For resolving the matter, a meeting was held under the chairmanship of RCCF, Jamshedpur on 25.05.2019 wherein concerned DFO,CF and Kiriburu Mines officials were present wherein the concerned DFOs are informed that there is no CA area available under their jurisdiction. Subsequently, DFO, Kolhan vide letter dated 29.05.2019 informed CF, Chaibasa about unavailability of CA land under Kolhan Forest Division. With the communication of DFO, Kolhan, CF, Chaibasa requested RCCF, Jamshedpur vide letter dated 30.05.2019 to help in identify suitable CA land in other Forest Divisions. Thereafter, RCCF has requested PCCF (Nodal) for identification of suitable CA land in other areas. RCCF has requested PCCF (Nodal) to identify suitable CA land in other areas. On that request, PCCF (Nodal), GoJ vide letter dated 14.06.2019 directed RCCF, Ranchi to identify 500 ha suitable CA land in his region. Discussions held with RCCF, Ranchi on 24.06.19 & 02.07.19 wherein RCCF suggested to identify CA land in Khunti, Gumla, Simdega, Lohardaga & Ranchi Forest Divisions with help of respective DFO's. Identification of CA land in Khunti & Gumla Forest Divisions has been completed during the month of July'19. An area of 350 ha has been identified in Khunti Forest Division and suitability certificate for plantation has been issued by respective Range Officer. In addition to this, 109 ha area identified in Khunti Forest Division and inspected the site for which process of issuance of suitability certificate by concerned Range is under progress. Moreover, an area of 60 ha has been identified in Gumla Forest Division for which suitability certificate is yet to be issued by respective Range Officer.				
Government of Jharkhand has extended the mining lease period of amalgamated lease of Kiriburu-Meghahatuburu Iron Ore Mines up to 27.03.2030 vide letter dated 30.07.2019, subject to fulfillment of certain conditions.					EC granted by MoEFCC for 10 MTPA capacity on 27.12.2006. EC granted by MoEFCC for 16 MTPA capacity on 23.09.2014. CTO for 16 MTPA capacity was granted by JSPCB & renewed upto 31.12.2019.				
Lease - II	06.02.73	31.03.20	879.439	10.01.02	Forestry clearance for the total broken area of 55.9 Ha was granted on 11.04.2005.		Ore Beneficiation Plant & loading facilities of Meghahatuburu Iron Ore Mine are located in the lease-II.		
Lease - III	01.10.73	31.03.20	82	26.09.02	Forestry clearance for the total broken area of 24.23 Ha was granted on 11.04.2005.		Tailing Pond of Kiriburu Iron Ore Mine is located in the lease-III.		
Horomotto	01.01.70	31.12.99	1051.98	-	Hon'ble High Court disposed the two writ petitions on 16.04.2019 by directing the State Govt. to consider SAIL's representation in accordance with the law to retain 90.06 ha over which infrastructure facilities were developed.		No EC		

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL

Status as on July' 2019

MINE	GRANTED	VALID	AREA	RENEWAL	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)
					ON	UPTO (in ha)	
BOLANI							
5.1 sq. mile lease	11.04.60	09.04.30	1321.45	26.03.09	Stage-II FC granted by MoEF&CC on 11.12.2012, 09.07.2013 & 12.11.2014. Stage-I FC for additional 87.09 ha sabik FL was obtained on 12.09.2017. Final Compliance report submitted to DFO, Keonjhar in Dec.2017. Additional information submitted to DFO, Keonjhar on 10.05.2018. DFO forwarded the compliance report to RCCF on 20.06.2018. Further, RCCF forwarded to Addl. PCCF (NO) on 16.07.2018. APCCF (Nodal) directed DFO Keonjhar/Rourkela /Keonjhar (WL) Division on 29.08.2018 to revise the CA schemes due to change in revision of wage rate. The revised scheme was forwarded to RCCF, Baripada on 11.10.18 for approval. Revision & authentication of SZ scheme has been approved by RCCF, Baripada on 30.10.18. Another proposal related to revised CA schemes for 169.72 ha & 5.18 ha were approved by APCCF (NO) on 23.10.18 and after the issuance of demand, online payment of Rs. 1492600 portal was done in MoEFCC on 29.10.18. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 & payment done. Stage-I/in-principle Forest Clearance compliance report was forwarded by Odisha Govt. to Ministry on 04.01.2019 for approval of Stage-II/ final Forest Clearance but same has been returned back to the Govt. of Odisha on 07.03.2019 seeking for some clarification /information/documents. The point wise reply to the said clarifications was submitted to DFO, Keonjhar on 23.03.2019 and forwarded to RCCF on 16.05.2019. Forwarded to Addl. PCCF (Nodal) on 11.06.2019. Being pursued with Nodal Office to forward the compliance report to MoEFCC to grant Stage – II FC.	EC granted for production of Iron Ore 12 MTPA ROM and Installation of 12 MTPA New Beneficiation Plant & 4 MTPA Pellet Plant on 21.12.2012. Consent to Operate for 12 MTPA capacity has been renewed on 28.03.2019 & Valid upto 31.03.2020.	
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	MoEFC&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are approved on 27.10.2018 and in line with the demand letter received from DFO, Rs 16.35 Crore was paid. After complete compliance of Stage-I FC conditions, status report was submitted to DFO, Keonjhar on 29.12.2018 for onward submission for grant of Stage-II FC. However, due to change in labour wage rate, all the schemes have been revised and approved by the State Forest Department and directed to deposit the differential amounts. Differential amount of Rs. 2.9 Crores has been paid on 20.02.2019. The revised compliance report was submitted to DFO, Keonjhar on 23.02.2019. DFO, Keonjhar forwarded the proposal to RCCF, Rourkela on 25.03.2019. Stage – I FC compliance report was forwarded to Addl. PCCF (N) on 12.04.2019 and forwarded to MoEF&CC on 02.07.2019 for grant of Stage – II FC. In addition to that, Stage-I FC for 124.313 ha Sabik FL was obtained on 12.09.2017. Stage-II FC for 124.313 ha was obtained from MoEF&CC, New Delhi on 29.04.2019.	Granted EC on 21.12.12 for production of 15000 TPA Manganese Ore. CTO for handling of 10 MTPA Iron ore lumps & fines and 15000 TPA Mn ore granted by OSPCB & further renewed on 25.03.2019 with validity upto 31.03.2020. Also, Consent to Establish (CTE) for production of 15000 TPA Mn Ore was extended by OSPCB upto 20.12.2023 on 22.05.2019.	

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL

MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		Status as on July' 2019 ENVIRONMENT CLEARANCE (EC)
					ON	UPTO (in ha)	
GU							
Durgaiburu	22.02.49	21.02.79	1443.76	08.02.08 (2nd RML)	Stage-II FC for existing broken area of 274.691 ha has been granted by MoEF on 22.08.2014. Stage-I FC granted for 361.295 ha on 04.03.2014. After subission of Stage- I compliance report to DFO on 02.06.2015 & verification of report, State Govt. forwarded the proposal to MoEFCC, New Delhi on 30.07.2015/23.09.2015 for grant of Stage-II FC. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 03.07.2018 requested GoJ to provide some informations. The desired informations were submitted to forest department on 19.07.2018 & forwarded to MoEFCC, Gol on 19.11.2018 but same has been returned back to the Govt. of Jharkhand on 28.02.2019 seeking for some clarification especially the acceptance of earlier identified CA land. After meeting with PCCF (Nodal), GoJ on 18.03.2019, it was directed to digitize the forest compartment maps, visit CA sites & find alternate CA lands. After regular follow up at different range, during the month of April & May, 2019, undertaken the process of CA site verification with concerned forest officials & SAIL team. Consequent upon the physical verification of CA lands along with identification of additional CA land, a report on degraded forest land equivalent to 841 Ha under Saranda, Chaibasa and Jamshedpur Forest Divisions were proposed and submitted by Gua Mines to State Forest Department on 24.05.2019 & 25.05.2019 to finalize the CA area. But after re-verification, about 50 % of the proposed area was found suitable. RCCF, Jamshedpur vide its letter dated 19.06.2019 and during the meeting held on 20.06.2019 has directed concerned DFO's to identify degraded forest land for CA. Degraded forest land for CA covering area in respective divisions was identified. Vide letter dated 13.07.2019, DFO Saranda informed CF, Chaibasa regarding the same and advised SAIL to provide kml files of the identified area along-with maps.Preparation of Kml files along-with the maps has been completed on 27.07.2019. Being pursued with respective Forest Divisions for preparation of CA schemes and submission to DFO, Saranda for raising of differential demand towards CA schemes for final submission of compliance report.	EC granted by MoEF on 25.03.2013. CTO for 12.5 MTPA renewed by JSPCB on 26.12.2016 for the period 01.01.2017 to 31.12.2020.	
Government of Jharkhand has extended the mining lease period of Duarguiburu Lease of Gua Ore Mines up to 21.02.2029 vide order dated 25.06.2019, subject to fulfillment of certain conditions.							
Jhilingburu - I	12.05.50	11.05.80	210.526	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land identification is under progress.		ToR for conduiting EIA study for production of 61,362 TPA Manganese Ore was granted by MoEF &CC on 04.03.2015. Final EIA/EMP report was submitted online on 04.01.2017 for EAC meeting & grant of EC. MoEF&CC on 13.11.17sought additional details and directed to apply online as per notification dated 14.03.17. The reply of the ADS was submitted & as per the provisions of notification dated 14.03.17, the ToR proposal was submitted online on 02.12.17. Again vide notification dated 16.03.2018, MoEFCC directed for re-submission of the ToR proposal. Proposal was re-submitted to MoEFCC online on 4.4.18 for issue of TOR and requested to consider the proposal as a special case as Public hearing already held and final EIA submitted. EAC meeting held on 29.08.2018. ADS asked on 13.09.2018 which is under compliance.
Jhilingburu - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC for 30.43 ha of forest land was granted on 29.01.2013. Stage-I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi for grant of Stage-II FC. The query raised by MoEFCC, Ranchi pertaining to CA levies information/record was submitted by Dy. Secy. (F,E&CC Dept.), GoJ to DCF (Central), MoEFFCC, Ranchi on 16.01.2018 for further necessary action. MoEF&CC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.	EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.	
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-I FC compliance submitted to DFO, Saranda on 05.03.2016 and was forwarded to RO, MoEFCC, Ranchi on 03.11.16 for grant of Stage-II FC. MoEFCC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.	EC granted by SEIAA vide letter no. EC/SEIAA/2015-16/2015/1291 dated 17.08.2015.	

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL

							Status as on July' 2019	
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		ENVIRONMENT CLEARANCE (EC)	
	ON	UPTO	(in ha)	APPL.DATE				
CHIRIA								
Budhaburu (McLellan)	08.12.45	31.03.20	823.617	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land)	EC has been granted by MoEF&CC vide letter no -J-11015/249/2009-IA.II (M) dated 23.03.2011 for enhancement of production capacity to 4.2 MTPA.		
Ajitaburu	07.12.47	06.12.77	323.887	04.12.06 (2nd RML)		EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA.		
Sukri - Latur	22.03.49	21.03.79	609.554	11.03.08 (2nd RML)	was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18. After verification at different level, the information was forwarded to MoEFCC by Govt. of Jharkhand on 07.06.2019.	EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 10.06.2013 for production capacity to 0.75 MTPA.		
Dhobil	08.03.48	07.03.38	513.036	06.03.97 (2nd RML)	Forestry clearance is deemed to be exist upto 2038.	EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 24.01.2012 and amended dated 01.05.12 for production capacity to 0.75 MTPA. The amendment of EC for continuation of ore transportation by road for 5 more years beyond June, 2017 was granted on 19.04.17. Consent to Operate for 0.75 MTPA has been renewed by JS PCB on 09.03.2018 for the period up to 31.03.2022. CTO for Manoharpur siding for dispatch of 2.5 lakhs T/month of iron ore was granted by JS PCB on 08.12.16 for period upto 30.06.2021.		
Tatiburu	01.09.49	31.08.79	38.85	24.08.08 (2nd RML)	Virgin & Non-working lease.No FC	No EC		
Ankua	14.06.82	31.03.20	67.178	18.06.11 (2nd RML)	Virgin & Non-working lease.No FC	No EC		
BARSUA-KALTA								
ML No.-130	06.01.60	05.01.30	2486.38	NA	Stage-II FC granted by MoEF&CC on 06.03.2013. DFO, Bonai vide letter dated 27.02.18 allowed to take up mining operation over 28.90 ha of forest land under Taldih Block-C. Proposal for felling of tree over an area of 58.75 ha in area-5 of Barsua Part has been approved by DFO, Bonai and a meeting was held on 29.10.2018 for settlement/ strategy of tree felling. Offer issued by M/s OFDC on 2.11.2018 for said proposal & job is under progress.	EC granted by MoEFCC vide letter dated 29th Oct'10. Amended EC for ML-130 lease was granted on 30.03.2016 for redistribution of production from Barsua to 3.5 Mt/yr and Kalta to 2.5 Mt/yr and Taldih to 2.05 Mt/yr. CTO of Barsua Railway siding has been granted on 30.03.2019 with validity upto 31.03.2020.		
ML No.-162	29.04.60	28.04.30	77.94	21.04.99	Stage-II FC granted on 23.10.17 for diversion of 77.94 ha of forest land.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this lease.		
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process. The matter of identification of CA land was discussed with forest nodal office on 25.10.2018 meeting. CA land over an area of 33.022 ha has been identified & map has been submitted to DFO, Rourkela for preparation of scheme.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR.		
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress	Non-working lease. Obtaining EC is under progress.		

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
						Status as on July' 2019
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	(in ha)	APPL.DATE		
BHAWANATHPUR						
GORGON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgona, Ghagra & Saraiya leases has been approved by SAIL-Board on 30.05.2017. Final Mine Closure Plan has been prepared by M/s MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18. SAIL official met IBM official, Ranchi on 31.01.19 & 01.02.19 for approval of FMCP wherein IBM directed to submit the Geological Report of three leases for further processing of FMCP's. Geological Reports of three leases were submitted to IBM on 25.02.19 for grant of FMCP. IBM, Ranchi approved the FMCP's for Gorgona on 08.05.19 and Ghagra & Saraiya leases on 09.05.19. A request letter was submitted to DC, Garhwa through DMO, Garhwa on 15.05.2019 for surrender of Bhawanathpur leases as per Rule 21 (1) of MCR, 2016. Also, another request letter was submitted to Secy (Mines & Geo) on 23.05.2019 for final surrender of Bhawanathpur leases.	
GHAGHRA	23.10.72	31.03.20	675.678	18.10.11 (2nd RML)		
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)		
PURNAPANI	06.01.80	31.03.20	230.525	30.12.98	No forest land involved	Non-working lease. No EC
GHATITANGAR	29.04.80	28.04.00	153.51	16.04.99	Matter of lease is under litigation.	Non-working lease. No EC
KUTESHWAR						
LEFT BANK LEASE	15.05.82	14.05.22	91.14	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/450/2012-IA.II(M) dated 17.08.2015. CTE application for 0.06 MTPA production submitted on 06.01.2016. CTE for 0.06 MTPA production granted on 10.04.2016. Renewal of CTO was extended by Madhya Pradesh Pollution Control Board upto 31.07.2019.
RIGHT BANK LEASE	10.06.71	09.06.21	944.89	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/449/2012-IA.II(M) dated 02.09.2015. CTE granted on 31.12.2015 for 2.32 MTPA expansion. CTO for 2.32 MTPA expansion granted by MPPCB on 23.02.2016 with validity upto 31.01.17. CTO renewed by MPPCB for the period upto 31.01.2020.
TULSIDAMAR	30.10.69	31.03.20	118.72	20.10.08 (2nd RML)	Stage-II FC for 101.32 ha under the lease was granted on 18.12.1997. DFO, Garhwa informed SAIL-BNP Mines vide its letter dated 25.03.19 that the validity of FC is co-terminus with lease period i.e. upto 31.03.2020 and further directed to submit the online FC renewal application. FC renewal application (FORM-B) was submitted online in MoEFCC portal on 29.03.19. Thereafter, clarification asked on 16.04.2019 which was replied on 01.06.2019 in online. Also, a clarification has been sought from PCCF & HoFF, GoJ by SAIL on 03.05.19, regarding extension of period of validity of FC granted under Section 2(ii) of FC Act, 1980 for the lease.	EC was granted on 24.03.1995 as per EIA notification 1994. CTO for 25000 TPM (Dolomite) capacity has been renewed by JSPCB on 28.03.17 for the period upto 31.03.2020. CTO for Rly Siding for 25,000 TPA Dolomite and 60,000 TPA Limestone renewed by JSPCB upto 30.06.2020. In compliance to MoEFCC Office memorandum dated 06.04.2018, ToR application under EIA Notification, 2006 has been submitted in Ministry's portal on 31.08.2018. EAC meeting held on 23.01.2019 wherein committee members did not consider the EC granted to mine in 1995. MoEFCC vide letter dated 19.03.2019 returned the EC proposal and informed that project proponent had not taken EC under the provisions of EIA Notification, 2006 at the time of renewal of mining lease due in 2009. Further, MoEFCC vide separate letters dated 19.03.2019 informed Secretary (Dept. of Mines & Geo), GoJ and Secretary (Dept. of F, E & CC), GoJ for taking further necessary action. In order to avoid any coercive action on account of directions issued by MoEFCC vide letter dtd 19.03.2019 to Jharkhand State Government, Writ Petitions have been filed in Jharkhand High Court on 18.05.2019. No notice has been served by Jharkhand Govt. in the matter till date.

RMD MANPOWER POSITION AS ON 01.08.2019

	Executives	Non-Executives	Total
A. Ore Mines			
Kiriburu	85	552	637
Meghatuburu	68	517	585
Bolani	85	448	533
Barsua	66	286	352
Kalta	17	61	78
Gua	56	497	553
Chiria	17	55	72
A. Total	394	2416	2810
B. Flux Mines			
Purnapani	0	6	6
Kuteshwar	26	83	109
BNP & TDMR	10	59	69
B. Total	36	148	184
C. Offices			
Kolkata	64	29	93
Rourkela	12	16	28
Bokaro	1	3	4
Durgapur	0	4	4
Delhi	3	2	5
Bhubaneswar	1	2	3
Ranchi	1	2	3
Burnpur	0	1	1
MT	22		22
C. Total	104	59	163
Grand Total (A+B+C)	534	2623	3157
Manpower as on 01.07.2019	541	2493	3034
Reduction(-)/Increase(+)	-7	130	123

ACCIDENT STATISTICS OF RMD MINES

	FATAL						SERIOUS						REPORTABLE						MANDAYS LOST							
	Jul-19			FY 2019-20			Jul-19			FY 2019-20			Jul-19			FY 2019-20			Jul-19			FY 2019-20				
	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T		
Kiriburu																						103		103		
Meghatuburu																										
Bolani																						57		57		
Barsua													1	1							12	12		58	58	
Taldih																										
Kalta																										
Gua																	2	2				100		100		
Manoharpur																	1	1				45		45		
Kuteshwar																										
Tulsidamar																										
RMD Total													1	1				3	3			12	12	305	58	363

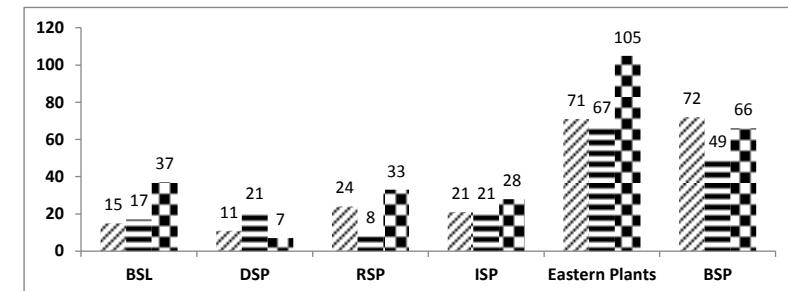
IRON ORE STOCK INVENTORY BEHAVIOUR

July 2019

IRON ORE LUMP

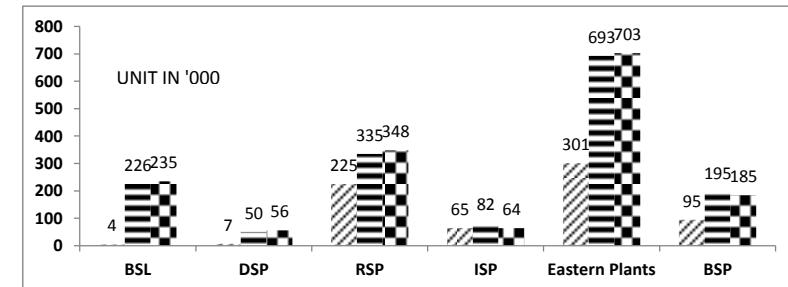
UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.07.2019	MTH	CUM	MTH	CUM	01.08.2019	MTH	YR
BSL	15	17	257	951	216	895	37	20	22
DSP	11	21	105	463	119	467	7	-14	-4
RSP	24	8	216	832	146	646	33	25	9
ISP	21	21	105	332	92	302	28	7	7
Eastern Plants	71	67	683	2579	573	2310	105	38	34
BSP	72	49			263	1060	66	17	-6
TOT	214	183	1366	5157	1409	5680	276	93	62



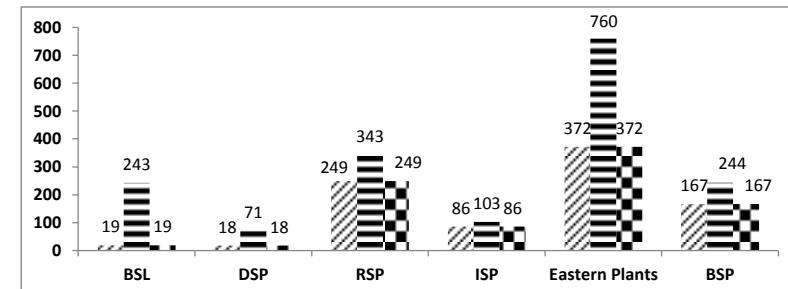
IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.07.2019	MTH	CUM	MTH	CUM	01.08.2019	MTH	YR
BSL	4	226	350	1536	377	1392	235	9	231
DSP	7	50	224	914	218	865	56	6	49
RSP	225	335	297	1363	328	1397	348	13	123
ISP	65	82	273	936	314	1029	64	-18	-1
Eastern Plants	301	693	1144	4748	1237	4683	703	10	402
BSP	95	195	<u>54</u>	<u>273</u>	368	1474	185	-10	90
TOT	697	1581	2342	9769	2842	10840	1591	10	894



IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.07.2019	MTH	CUM	MTH	CUM	01.08.2019	MTH	YR
BSL	19	243	607	2487	593	2287	272	29	253
DSP	18	71	329	1377	337	1332	63	-8	45
RSP	249	343	513	2195	474	2043	381	38	132
ISP	86	103	378	1268	406	1331	92	-11	6
Eastern Plants	372	760	1827	7327	1810	6993	808	48	436
BSP	167	244	<u>54</u>	<u>273</u>	631	2534	251	7	84
TOT	911	1764	3709	14926	4251	16520	1867	103	956



* BSP RECEIPT FROM RMD MINES

PRODUCTION PERFORMANCE

July 2019

हॉट मेटल

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Jul 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	397	370	93	328	13	1552	1447	93	1359	6
दूर्गापूर	202	218	108	213	2	837	797	95	834	-4
रातरकेला	322	312	97	337	-8	1350	1257	93	1268	-1
बर्नपूर	210	226	108	200	13	890	754	85	777	-3
पूर्वी इस्पात संयंत्र	1131	1126	100	1079	4	4629	4254	92	4238	0
भिलाई	501	397	79	285	40	1945	1587	82	1389	14
TOTAL	1632	1523	93	1364	12	6574	5841	89	5627	4

सिन्तर

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Jul 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	451	537	119	445	21	1752	1926	110	1904	1
दूर्गापूर	240	309	129	258	19	1097	1089	99	1104	-1
रातरकेला	521	546	105	561	-3	2189	2038	93	2122	-4
बर्नपूर	304	344	113	287	20	1287	1170	91	1170	0
पूर्वी इस्पात संयंत्र	1516	1735	114	1551	12	6325	6223	98	6301	-1
भिलाई	720	587	81	441	33	2835	2377	84	2120	12
TOTAL	2236	2322	104	1992	17	9160	8600	94	8420	2

IRON ORE RECEIPTS

FIGS IN '000 T

FOR THE MONTH OF

July 2019

Lump Receipt									
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	10	56	68	57	27	0	2	36	257
DSP	0	0	80	0	0	0	25	0	105
RSP	94	22	0	0	0	92	0	8	216
ISP	0	0	49	0	0	0	52	3	105
BSP	0	0	0	0	0	0	0	0	0
TOT	105	78	197	57	27	92	79	48	683

TILL THE MONTH OF

July 2019

Lump Receipt									
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	49	178	310	218	76	4	23	94	951
DSP	0	2	314	0	0	0	147	0	463
RSP	321	162	0	0	20	301	0	28	832
ISP	0	0	150	0	0	0	178	3	332
BSP	0	0	0	0	0	0	0	0	0
TOT	370	342	775	218	96	305	348	126	2579

Fines Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	114	91	65	72	0	0	8	0	350
DSP	0	33	148	0	0	0	43	0	224
RSP	118	103	0	0	39	30	0	6	297
ISP	0	52	112	0	0	0	110	0	273
BSP	20	0	0	0	0	0	34	0	54
TOT	252	278	325	72	39	30	194	6	1198

Fines Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	446	387	233	293	37	37	65	37	1536
DSP	0	84	568	0	0	0	262	0	914
RSP	444	553	0	0	63	243	0	60	1363
ISP	0	105	413	0	0	0	415	3	936
BSP	181	0	0	0	0	0	90	3	273
TOT	1071	1129	1214	293	100	280	831	103	5021

Total Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	124	147	133	130	27	0	10	36	607
DSP	0	33	229	0	0	0	68	0	329
RSP	212	125	0	0	39	122	0	14	513
ISP	0	52	161	0	0	0	162	3	378
BSP	20	0	0	0	0	0	34	0	54
TOT	357	356	523	130	67	122	273	54	1881

Total Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	495	565	544	511	113	41	88	132	2487
DSP	0	86	882	0	0	0	409	0	1377
RSP	765	715	0	0	83	544	0	88	2195
ISP	0	105	563	0	0	0	593	7	1268
BSP	181	0	0	0	0	0	90	3	273
TOT	1440	1471	1989	511	196	585	1179	229	7600

BASE FREIGHT IN RS PER TONNE FOR TRAIN LOAD

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
KRBU(N/B) (FOS)	371	666.60	409	747.70	90	203.50	377	706.90	539	951.20
KRBU(O/B) (SOBK)	371	666.60	409	747.70	90	203.50	377	706.90	539	951.20
MBR (SSMK)	371	666.60	409	747.70	90	203.50	377	706.90	539	951.20
BOLANI (BYFS)	272	508.70	318	587.20	223	467.80	286	549.10	673	1193.30
BARSUA (PBSB)	342	626.90	389	706.90	69	203.50	356	666.60	519	951.20
ROXY (HLSR)	332	626.90	379	706.90	59	203.50	346	626.90	509	951.20
GUA (ISCG)	265	508.70	311	587.20	216	426.80	279	549.10	665	1193.30
MANOHARPUR (IISM)	241	467.60	287	549.10	33	203.50	255	508.70	483	869.20
DALLIRAJHARA (DRZ)	827	1433.00	871	1512.10	533	951.20	832	1433.00	83	203.50

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
145 CLASS -150 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
BHAWANATHPUR (PSBS)	369	585.80	491	763.80	559	907.30	459	727.40	909	1398.20
KHANABANJARI (BLSG)	712	1119.70	834	1259.30	675	1048.70	802	1259.30	496	763.80

LEAN SEASON FREIGHT IN RS PER TONNE FOR TRAIN LOAD (DPO-0%)

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
KRBU(N/B) (FOS)	371	699.93	409	785.09	90	213.68	377	742.25	539	998.76
KRBU(O/B) (SOBK)	371	699.93	409	785.09	90	213.68	377	742.25	539	998.76
MBR (SSMK)	371	699.93	409	785.09	90	213.68	377	742.25	539	998.76
BOLANI (BYFS)	272	534.14	318	616.56	223	491.19	286	576.56	673	1252.97
BARSUA (PBSB)	342	658.25	390	742.25	69	213.68	356	699.93	519	998.76
ROXY (HLSR)	332	658.25	379	742.25	59	213.68	346	658.25	509	998.76
GUA (ISCG)	265	534.14	311	616.56	216	448.14	279	576.56	665	1252.97
MANOHARPUR (IISM)	241	490.98	287	576.56	33	213.68	255	534.14	483	912.66
DALLIRAJHARA (DRZ)	827	1504.65	871	1587.71	533	998.76	832	1504.65	83	213.68

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
145 CLASS -150 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
BHAWANATHPUR (PSBS)	369	615.09	491	801.99	559	952.67	459	763.77	909	1468.11
KHANABANJARI (BLSG)	712	1175.69	834	1322.27	675	1101.14	802	1322.27	496	801.99