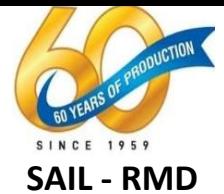




RMD MONTHLY INFORMATICS



September-2019



PPC
RMD KOLKATA

CONTENTS

<u>SERIAL NO.</u>	<u>SUBJECT</u>	<u>PAGE NO.</u>
1	RAKE DESPATCH	1
2	IRON ORE MINES - PRODUCTION & DESPATCH	2-3
3	EXCAVATION	4
4	MONTHWISE PERFORMANCES	5-7
5	DESPATCH DISTRIBUTION	8-13
6	FLUX MINES OPERATION	14-15
7	QUALITY ANALYSED AT PLANT	16-27
8	EQUIPMENT AVAILABILITY & UTILISATION	28-33
9	TECHNO ECONOMIC PERFORMANCE	34-36
10	MINE LEASE RENEWAL	37-41
11	MANPOWER STATISTICS	42
12	ACCIDENT STATISTICS	43
13	CUSTOMER INTERFACE	44-46
14	FREIGHT	47

Performance Highlights

September 19

Production:

- RMD mines achieved production of 13.69 lakh te (73% of APP).
- Taldih Iron Mines achieved best ever monthly production of 0.81 Lakh T since inception.
- Kuteshwar Limestone Mines achieved best ever production in any month of September (1. 24Lakh T) since inception.
- Kuteshwar- best ever ROM feed into Departmental Crusher in September-19 : 94,556Te (last highest-94,204 Te in May-19)

Despatch:

- RMD mines achieved despatch of 15.45 lakh te (79% of APP). Less despatch due to regulated demand of Iron Fines by all Steel Plants.
- Taldih Iron Mines achieved best ever monthly despatch of 0.92 Lakh T since inception.
- Kuteshwar Limestone Mines achieved best ever despatch in any month of September (1.24Lakh T) since inception. Rakes loaded in September'19 are 32 and it is second highest monthly despatch in any month since inception.

Other Highlights:

- Taldih Iron Mines certified by BSI for Quality Management System (ISO9001:2015), Environment Management System (ISO14001:2015) and Occupational health& Safety Management System (ISO45001:2018).

Performance Highlights

H1 FY 2019-20

Production

- RMD Mines achieved best ever H1 production of 10.523 MT (86% of APP 12.182MT) with growth of 4.7% over CPLY (10.049 MT) since inception.
- RMD Mines achieved best ever Q2 production of 4.876 MT (84% of APP 5.803MT) with growth of 0.3% over CPLY (4.863 MT) since inception.
- Bolani Ores Mines, Taldih Iron Mine and Kuteshwar Lime Stone Mines have achieved best ever production of 3.054 MT, 0.328MT and 0.664 MT respectively in H1 since inception.
- Kuteshwar- best ever ROM feed into Departmental Crusher in H1 since inception : 5,21,884Te

Despatch

- RMD Mines achieved best ever H1 despatch of 10.879 MT (87% of APP 12.510MT) with growth of 7.6% over CPLY (10.113 MT) since inception.
- RMD Mines achieved best ever Q2 despatch of 5.122 MT (85% of APP 6.036MT) with growth of 2.5% over CPLY (4.998 MT) since inception.
- Bolani Ores Mines has achieved best ever H1 despatch of 2.949 MT (90 % of APP MT) with growth of 8.3% over CPLY (2.721 MT) since inception.

Performance Highlights

H1 FY 2019-20

Despatch

- Kuteshwar Limestone Mines has achieved best ever H1 despatch of 0.669 MT (115 % of APP MT) with growth of 48 % over CPLY (0.452 MT) since inception.
- Best ever monthly Rakes loaded in May-19:: 555 (Previous best was 541 rakes in April-19)
- Highest ever Number of Iron Ore rakes despatched from RMD in H1since inception:: 3069 (CPLY of 2872).

Others:

RMD Mines certified by BSI:

a) Quality Management System (ISO9001:2015) :

Gua, Barsua, and Taldih

b) Environment Management System (ISO9001:2015) :

Gua, Barsua, and Taldih

c) Occupational health& Safety Management System (ISO45001:2018):

Meghahatuburu, Gua, Barsua, and Taldih

Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF - Sep- 19					19-20 TILL THE MONTH OF Sep- 19				
	CBT	ACT	%FF	Sep- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	120	84	70	97	-13	600	583	97	526	11
MEGHATUBURU	120	77	64	80	-4	600	560	93	500	12
BOLANI	155	107	69	112	-4	775	811	105	772	5
BARSUA	45	33	73	37	-11	225	221	98	172	28
TALDIH	25	26	104	5	420	110	96	87	76	26
KALTA	50	2	4	33	-94	250	173	69	203	-15
GUA	100	80	80	81	-1	500	534	107	540	-1
CHIRIA	15	18	120	17	6	90	91	101	83	10
RMD TOTAL	630	427	68	462	-8	3150	3069	97	2872	7

PLANTS	COMM	FOR THE MONTH OF - Sep- 19					19-20 TILL THE MONTH OF Sep- 19				
		CBT	ACT	%FF	Sep- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		46.4		58.8	-21		363.7	0.0	326.0	12
	FINES		75.6		118.2	-36		590.3	0.0	589.0	0
	TOTAL	189	122.0	65	177.0	-31	945	954.0	101	915.0	4
DSP	LUMP		28.8		36.8	-22		196.9	0	204.8	-4
	FINES		43.2		58.2	-26		349.1	0	402.2	-13
	TOTAL	111	72.0	65	95.0	-24	555	546.0	98	607.0	-10
RSP	LUMP		43.9		48.0	-9		326.1	0	313.8	4
	FINES		79.1		90.0	-12		527.9	0	480.2	10
	TOTAL	156	123.0	79	138.0	-11	780	854.0	109	794.0	8
ISP	LUMP		19.1		8.9	115		149.1	0	159.6	-7
	FINES		76.9		35.1	119		455.9	0	382.4	19
	TOTAL	144	96.0	67	44.0	118	720	605.0	84	542.0	12
BSP	LUMP				0			0		0	
	FINES		14.0		8.0	75		110.0	0	14.0	686
	TOTAL	30	14.0	47	8.0	75	150	110.0	73	14.0	686
SAIL TOTAL	LUMP		138.2		152.5	-9	0	1035.8	0	1004.2	3
	FINES		288.8		309.5	-7		2033.2		1867.8	9
	TOTAL	630	427.0	68	462.0	-8	3150	3069.0	97	2872.0	7

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

September 2019

UNIT 000 TONNES

PRODUCTION

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR Sep 2018	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2019-20	TGT	ACT	%FF	LAST YR Sep 2018		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	1150	75	80	107.1	79	1.7	555	549	98.9	489	12.2	
	F	3350	215	217	101.2	207	5.3	1610	1390	86.3	1411	-1.5	
	T	4500	290	298	102.7	286	4.3	2165	1938	89.5	1900	2.0	70
MEGHAHATUBURU 5000	L	875	60	94	156.0	80	16.7	420	475	113	541	-12.2	
	F	2625	185	161	86.8	173	-7.2	1250	1315	105	1114	18.0	
	T	3500	245	254	103.8	253	0.4	1670	1790	107	1655	8.2	72
BOLANI 6500	L	2586	205	102	49.9	169	-39.7	1270	1135	89.4	1014	11.9	
	F	3914	315	180	57.1	269	-33.2	1900	1919	101	1526	25.7	
	T	6500	520	282	54.2	438	-35.7	3170	3054	96.3	2540	20.2	94
BARSUA 2500	L	803	70	39	55.4	51	-23.5	415	291	70	218	33.2	
	F	1697	145	71	49.2	120	-40.6	855	443	51.8	500	-11.4	
	T	2500	215	110	51.2	171	-35.5	1270	734	57.8	719	2.1	59
TALDIH 1000	L	332	27	43	158.6	6	562.4	165	148	89.8	166	-10.8	
	F	618	51	38	74.9	10	277.5	309	180	58.2	105	70.9	
	T	950	78	81	103.9	17	388.6	474	328	69.2	271	20.9	66
KALTA 2500	L	1229	90	10	11.2	63	-84.0	595	307	51.7	406	-24.4	
	F	1071	80			44	-100.0	520	232	44.6	319	-27.2	
	T	2300	170	10	5.9	107	-90.6	1115	539	48.4	725	-25.6	43
GUA 4000	L	1130	85	78	91.7	81	-3.8	545	514	94.3	544	-5.5	
	F	2870	215	209	97.2	221	-5.5	1395	1286	92.2	1388	-7.4	
	T	4000	300	287	95.6	302	-5.1	1940	1800	92.8	1932	-6.9	90
MANOHARPUR 750	L	375	31	15	49.3	36	-57.1	189	155	82.1	183	-15.0	
	F	375	31	31	101.1	20	59.1	189	185	98	124	49.5	
	T	750	62	47	75.2	55	-15.8	378	340	90	306	11.1	41
TOTAL 27750	L	8480	643	461	71.7	565	-18.4	4154	3574	86	3561	0.4	
	F	16520	1237	908	73.4	1064	-14.7	8028	6949	86.6	6488	7.1	
	T	25000	1880	1369	72.8	1629	-16.0	12182	10523	86.4	10049	4.7	76

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

September 2019

UNIT 000 TONNES

DESPATCHES

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR Sep 2018	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON				
		2019-20	TGT	ACT	%FF	LAST YR Sep 2018		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END		
KIRIBURU	L	1150	75	81	108.4	82	-1.1	555	559	101	487	14.7	15	6	15		
	F	3350	235	220	93.5	273	-19.4	1690	1542	91.2	1423	8.4	1064	916	913		
	T	4500	310	301	97.1	355	-15.1	2245	2100	93.6	1910	10.0	1079	922	928		
MEGHAHATUBURU	L	875	86	91	105.3	84	7.8	445	540	121	544	-0.9	97	25	25		
	F	2625	200	196	98.2	212	-7.2	1368	1541	113	1297	18.8	501	282	251		
	T	3500	286	287	100.3	296	-2.9	1813	2080	115	1841	13.0	598	307	276		
BOLANI	L	2586	205	145	70.7	175	-17.2	1280	1143	89.3	1065	7.3	127	154	118		
	F	3914	325	258	79.5	220	17.3	1985	1806	91	1656	9.0	1617	1798	1725		
	T	6500	530	403	76.1	395	2.0	3265	2949	90.3	2721	8.3	1744	1952	1843		
BARSUA	L	803	70	42	60.6	43	-1.1	415	310	74.6	187	65.5	19	5	1		
	F	1697	145	67	46.5	87	-22.1	855	441	51.6	392	12.5	284	278	284		
	T	2500	215	110	51.1	129	-15.2	1270	751	59.1	579	29.7	303	283	285		
TALDIH	L	332	27	46	169.0	4	1086.6	165	150	91.1	153	-2.0	17	18	21		
	F	618	51	46	90.2	15	208.9	309	174	56.2	103	68.2	27	35	29		
	T	950	78	92	117.5	19	389.2	474	324	68.3	257	26.2	44	53	50		
KALTA	L	1229	90	7	7.9	57	-87.5	605	347	57.4	399	-13.1	35		3		
	F	1071	80			57	-100.0	520	285	54.7	324	-12.3	53				
	T	2300	170	7	4.2	114	-93.8	1125	632	56.1	724	-12.7	88		3		
GUA	L	1130	85	65	76.3	70	-7.5	545	463	84.9	573	-19.2	26	31	34		
	F	2870	215	220	102.2	204	7.6	1395	1253	89.8	1196	4.8	141	173	188		
	T	4000	300	285	94.9	274	3.7	1940	1716	88.5	1769	-3.0	167	204	222		
MANOHARPUR	L	375	31	21	67.9	42	-50.4	189	164	86.9	189	-13.0		4			
	F	375	31	39	125.6	23	67.5	189	163	86.2	124	31.3	3	33	22		
	T	750	62	60	96.7	66	-8.7	378	327	86.6	313	4.5	3	37	22		
TOTAL	L	8480	669	498	74.4	558	-10.7	4199	3675	87.5	3599	2.1	336	243	217		
	F	16520	1282	1047	81.6	1091	-4.0	8311	7203	86.7	6515	10.6	3690	3515	3412		
	T	25000	1951	1545	79.2	1648	-6.3	12510	10879	87	10113	7.6	4026	3758	3629		

IRON ORE MINES PERFORMANCE (ROM & DEVELOPMENT)

September 2019

UNIT 000 TE

DEVELOPMENT										
	FOR MONTH			LAST YR Sep 2018	GRTH %	TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		
KIRIBURU	70	72	103	88	-17	890	804	90	581	38
MEGHAHATUBURU	270	295	109	173	70	2020	1580	78	1573	0
BOLANI	330	309	94	196	58	2100	976	46	1469	-34
BARSUA	150	48	32	26	85	750	286	38	116	147
TALDIH	70	42	61			445	149	34	65	129
KALTA										
GUA	200	98	49	186	-47	1560	348	22	1068	-67
MANOHARPUR							12		1	1029
TOTAL	1090	865	79	669	29	7765	4156	54	4873	-14.7

ROM										
-----	--	--	--	--	--	--	--	--	--	--

KIRIBURU	290	298	103	286	4	2165	1948	90	1900	3
MEGHAHATUBURU	319	309	97	298	4	1948	1991	102	1832	9
BOLANI	520	277	53	453	-39	3170	3022	95	2589	17
BARSUA	235	117	50	177	-34	1390	754	54	744	1
TALDIH	78	85	109	22	295	474	345	73	421	-18
KALTA	170	27	16	109	-75	1115	603	54	728	-17
GUA	300	287	96	302	-5	1940	1800	93	1932	-7
MANOHARPUR	62	47	75	55	-16	378	340	90	306	11
TOTAL	1974	1447	73	1702	-15	12580	10804	86	10452	3

TOTAL EXCAVATION										
------------------	--	--	--	--	--	--	--	--	--	--

KIRIBURU	360	370	103	373	-1	3055	2753	90	2481	11
MEGHAHATUBURU	589	604	103	471	28	3968	3571	90	3405	5
BOLANI	850	587	69	649	-10	5270	3998	76	4058	-1
BARSUA	385	165	43	203	-19	2140	1041	49	860	21
TALDIH	148	127	86	22	491	919	494	54	486	2
KALTA	170	27	16	109	-75	1115	603	54	728	-17
GUA	500	385	77	488	-21	3500	2147	61	3000	-28
MANOHARPUR	62	47	75	55	-16	378	352	93	307	15
TOTAL	3064	2312	75	2371	-2	20345	14960	74	15325	-2

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	
Aug-18	346140	314280	31860	606930	358830	248100	706618	424818	281800	190450	155765	34685	60770		127600	127600		490050	300060	189990	50834	50834		2579392	1792957	786435		
Sep-18	373230	285570	87660	471450	298350	173100	649401	453150	196251	203212	177207	26005	21547	21547		108600	108600		487898	302090	185808	55376	55376		2370714	1701890	668824	
Total	2481484	1900080	581404	3404840	1832040	1572800	4057643	2589015	1468628	860235	744071	116164	485924	420584	65340	727560	727560		2999756	1932210	1067546	307457	306403	1054	15324899	10451963	4872936	

Unit in Te	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	
Apr-19	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	
May-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	
Jun-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	
Jul-19	462420	359820	102600	596481	317610	278871	666320	548798	117522	210022	158842	51180	116769	73281	43488	84200	84200		319140	293490	25650	47976	47976		2503328	1884017	619311	
Aug-19	410850	320490	90360	578915	350100	228815	599032	493051	105981	187353	135788	51565	63168	41820	21348	27700	27700		378630	322830	55800	65108	65108		2310756	1756887	553869	
Sep-19	370170	297810	72360	603920	309330	294590	586581	277302	309279	165141	116906	48235	127412	85008	42404	26700	26700		385250	286830	98420	46629	46629		2311803	1446515	865288	
Total	2752702	1948320	804382	3571506	1990980	1580526	3998236	3021908	976328	1040910	754435	286475	494417	345066	149351	603300	603300		2147180	1799640	347540	352282	340386	11896	14960533	10804035	4156498	

Change Over Last Year

DIFF	271218	48240	222978	166666	158940	7726	-59407	432893	-492300	180675	10364	170311	8493	-75518	84011	-124260	-124260	-852576	-132570	-720006	44825	33983	10842	-364366	352072	-716438		
%Chg		10.9	2.5	38.4	4.9	8.7	0.5	-1.5	16.7	-33.5	21.0	1.4	146.6	1.7	-18.0	128.6	-17.1	-17.1	-	-28.4	-6.9	-67.4	14.6	11.1	1028.7	-2.4	3.4	-14.7

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	
Aug-17	90540	223740	314280	137381	135108	272489	188120	219138	407258	47165	99358	146523	24308	664	24972	78855	52463	131318	84805	215255	300060	31619	19215	50834	682793	964941	1647734	
Sep-17	78941	206629	285570	80208	173058	253266	169437	269053	438490	50684	120045	170729	6464	10116	16580	62818	44316	107134	81045	221045	302090	35682	19694	55376	565279	1063956	1629235	
Total	489028	1411052	1900080	540977	1113973	1654950	1013979	1526467	2540446	218196	500387	718583	166100	105260	271360	406331	318827	725158	543783	1388427	1932210	182602	123801	306403	3560996	6488194	10049190	

	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	108100	251149	359249	68360	211573	279933	194632	352006	546638	60996	89376	150372	24663	45143	69806	69762	19497	89259	84110	209380	293490	43828	4148	47976	654451	1182272	1836723	
Aug-19	96623	223867	320490	84377	199584	283961	196442	293979	490421	44574	85833	130407	9534	30333	39867	23714	3041	26755	86283	236547	322830	21773	43335	65108	563320	1116519	1679839	
Sep-19	80314	217496	297810	93604	160647	254251	102200	179842	282042	38793	71357	110150	42815	38188	81003	10051	10051	77945	208885	286830	15294	31335	46629	461016	907750	1368766		
Total	558185	1389564	1947749	474874	1315012	1789886	1134967	1918951	3053918	290665	443163	733828	148124	179878	328002	307348	232001	539349	513968	1285672	1799640	155204	185183	340387	3583335	6949424	10532759	

ge Over Last Year	ge Over Last Year																											
	DIFF	-21488	47669	-66103	201039	134936	120988	392484	513472	72469	-57224	15245	-17976	74618	56642	-98983	-86826	-185809	-29815	-102755	-132570	-27398	61382	33984	22339	461230	483569	
%Chg	14	-2	3	-12	18	8	12	26	20	33	-11	2	-11	71	21	-24	-27	-26	-5	-7	-7	-15	50	11	1	7	5	

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	
Aug-18	70849	232280	303129	103720	211329	315049	195435	210652	406087	34538	112653	147191	10639		10639	79638	39235	118873	89921	225752	315673	26029	19246	45275	610769	1051147	1661916	
Sep-18	82155	272635	354790	83990	211535	295525	175113	220309	395422	42903	86578	129482	3846	14883	18729	57156	57061	114217	70118	204300	274418	42425	23236	65661	557706	1090537	1648244	
Total	486956	1422696	1909652	544348	1296775	1841123	1065334	1655899	2721233	187123	391887	579011	153484	103161	256645	399491	324064	723555	572994	1195709	1768703	188916	124138	313054	3598646	6514329	10112976	

	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	81820	99024	180844	93757	203027	296784	37460	40809	78269	627641	1261881	1889522	
May-19	84249	276191	360439	69662	300928	370590	218759	294752	513511	67408	52621	120030	23807	19674	43481	71974	110531	182505	80272	206594	286866	34307	33098	67405	650438	1294389	1944827	
Jun-19	95527	281789	377316	80316	264348	344664	211647	346997	558644	77147	107264	184411	19975	14596	34570	61726	37443	99169	81427	211581	293008	6378	24141	30520	634143	1288159	1922302	
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	
Aug-19	97197	225015	322212	96678	217620	314298	204511	320141	524652	46417	87433	133850	9867	25602	35469	32191	7703	39894	67554	220597	288151	18968	15446	34414	573383	1119558	1692941	
Sep-19	81263	219828	301091	90536	196358	286893	144955	258410	403365	42417	67431	109847	45638	45984	91622	7124	7124	64882	219808	284690	21038	38926	59964	497852	1046744	1544597		
Total	558679	1541699	2100378	539608	1540515	2080123	1142731	1805847	2948577	309653	441043	750696	150342	173517	323859	347065	284500	631565	462905	1253301	1716206	164301	162956	327257	3675284	7203377	10878661	

Change Over Last Year

DIFF	71723	119003	190726	-4740	243740	239000	77397	149948	227344	122529	49156	171685	-3142	70356	67214	-52426	-39564	-91990	-110089	57592	-52497	-24615	38818	14203	76638	689048	765685
%Chg	14.7	8.4	10.0	-0.9	18.8	13.0	7.3	9.1	8.4	65.5	12.5	29.7	-2.0	68.2	26.2	-13.1	-12.2	-12.7	-19.2	4.8	-3.0	-13.0	31.3	4.5	2.1	10.6	7.6

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	
KRB	30	7	24	155	80	51	213	-63	40	105	264	295	673	228	579	16	70	113	161	450	752	167	793	-5	
MBR	51	38	74	285	274	96	236	16	55	51	93	509	525	103	571	-8	106	89	84	794	799	101	807	-1	
BOL	41	31	75	326	366	112	343	7	60	30	50	450	285	63	381	-25	101	61	60	776	651	84	724	-10	
BAR	50	42	85	345	310	90	20	1425	93	67	73	553	441	80	293	50	143	110	77	898	751	84	314	139	
TAL	15	46	304	90	130	145	14	810	25	28	110	138	63	46	103	-38	40	73	183	228	194	85	118	65	
KAL	35			260	3	1	254	-99	20			114	33	29	76	-56	55			374	37	10	330	-89	
GUA				20	26	128	17	53	6			44	73	165	60	20	6			64	98	154	77	27	
MPR	7	5	78	57	117	206	112	5	15	2	14	90	60	67	73	-17	22	8	35	147	178	121	185	-4	
RMD TOT	229	169	74	1538	1306	85	1210	8	314	284	90	2193	2153	98	2137	1	543	453	83	3731	3459	93	3347	3	
DRZ																									
PUR																									
GR TOT	229	169	74	1538	1306	85	1210	8	314	284	90	2193	2153	98	2137	1	543	453	83	3731	3459	93	3347	3	
FLUXES																									
KTR	40	44	110	240	232	96	175	33																	
TDMR	6	4	69	32	39	121	33	19																	
TOT	46	48	105	272	270	99	207	30																	

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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				5			7	-32				38	86	227	67	29				38	91	239	74	23
BOL	124	88	71	694	543	78	509	7	168	133	79	990	892	90	787	13	292	220	76	1684	1436	85	1296	11
BAR																								
TAL																								
KAL																								
GUA	15	20	131	152	166	109	231	-28	50	33	66	286	314	110	512	-39	65	52	81	438	480	110	744	-35
MPR																								
RMD TOT	139	108	77	846	714	84	747	-4	218	165	76	1314	1293	98	1366	-5	357	273	76	2160	2006	93	2113	-5
DRZ																								
PUR																								
GR TOT	139	108	77	846	714	84	747	-4	218	165	76	1314	1293	98	1366	-5	357	273	76	2160	2006	93	2113	-5

FLUXES

KTR	8			36	28	77	24	15
TDMR								
TOT	8			36	28	77	24	15

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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	45	74	165	400	479	120	274	75	75	111	148	585	685	117	798	-14	120	185	154	985	1164	118	1072	9	
MBR	35	53	150	160	261	163	298	-12	110	103	94	655	741	113	549	35	145	156	108	815	1002	123	847	18	
BOL																									
BAR	20			70			167	-100	52			302			99	-100	72			372				265	-100
TAL	12			75	20	26	139	-86	26	18	71	171	110	64			38	18	48	246	130	53	139	-7	
KAL	55	7	13	345	344	100	145	136	60			406	251	62	249	1	115	7	6	751	595	79	394	51	
GUA									11			11						11				11			
MPR		16		10	44	435	69	-37	16	37	230	99	97	98	39	145	16	52	327	109	140	129	109	29	
RMD TOT	167	150	90	1060	1147	108	1093	5	339	280	83	2218	1894	85	1734	9	506	429	85	3278	3042	93	2826	8	
PUR																									
DRZ								6	-100															6	-100
GR TOT	167	150	90	1060	1147	108	1099	4	339	280	83	2218	1894	85	1734	9	506	429	85	3278	3042	93	2832	7	

FLUXES

KTR	8	24	300	52	136	261	43	215
TDMR	4			21	3	13	5	-48
TOT	12	24	200	73	138	190	48	186

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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		42			188		103	83		42			188			106	78
BOL	40	26	66	260	233	90	214	9	90	96	107	525	629	120	488	29	130	122	94	785	862	110	702	23	
BAR																									
TAL																									
KAL																									
GUA	70	45	65	373	271	73	325	-16	151	127	84	1004	662	66	623	6	221	172	78	1377	933	68	948	-2	
MPR	24			122	3	3	8	-54					3		12	-72	24			122	7	5	19	-65	
RMD TOT	134	72	53	755	508	67	549	-7	241	264	110	1529	1482	97	1228	21	375	336	90	2284	1990	87	1778	12	
DRZ																									
PUR																									
GR TOT	134	72	53	755	508	67	549	-7	241	264	110	1529	1482	97	1228	21	375	336	90	2284	1990	87	1778	12	
FLUXES																									
KTR																									
TDMR																3	-100								
TOT																3	-100								

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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						
KRB									100	4	4	600	184	31	42	338	100	4	4	600	184	31	42	338				
MBR															8	-100									8	-100		
BOL																												
BAR																												
TAL																												
KAL																												
GUA									50				194					50			194							
MPR													3									3						
RMD TOT									100	53	53	600	381	64	50	665	100	53	53	600	381	64	50	665				
DRZ																												
PUR																												
GR TOT									100	53	53	600	381	64	50	665	100	53	53	600	381	64	50	665				
FLUXES																												
KTR	40	60	150	252	274	109	211	30																				
TDMR	6			30	24	78	76	-69																				
TOT	46	60	130	282	298	106	287	4																				

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

September 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	75	81	108	555	559	101	487	15	215	220	102	1480	1542	104	1423	8	290	301	104	2035	2100	103	1910	10
MBR	86	91	105	445	540	121	544	-1	165	196	119	1202	1541	128	1297	19	251	287	114	1647	2080	126	1841	13
BOL	205	145	71	1280	1143	89	1065	7	318	258	81	1965	1806	92	1656	9	523	403	77	3245	2949	91	2721	8
BAR	70	42	61	415	310	75	187	65	145	67	47	855	441	52	392	13	215	110	51	1270	751	59	579	30
TAL	27	46	169	165	150	91	153	-2	51	46	90	309	174	56	103	68	78	92	117	474	324	68	257	26
KAL	90	7	8	605	347	57	399	-13	80			520	285	55	324	-12	170	7	4	1125	632	56	724	-13
GUA	85	65	76	545	463	85	573	-19	207	220	106	1334	1253	94	1196	5	292	285	97	1879	1716	91	1769	-3
MPR	31	21	68	189	164	87	189	-13	31	39	126	189	163	86	124	31	62	60	97	378	327	87	313	5
RMD TOT	669	498	74	4199	3675	88	3599	2	1212	1047	86	7854	7203	92	6515	11	1881	1545	82	12053	10879	90	10113	8
PUR																								
DRZ							6	-100															6	-100
GR TOT	669	498	74	4199	3675	88	3605	2	1212	1047	86	7854	7203	92	6515	11	1881	1545	82	12053	10879	90	10119	8

FLUXES

KTR	96	128	133	580	669	115	452	48
TDMR	16	4	26	83	65	78	117	-44
TOT	112	132	118	663	734	111	569	29

FLUX MINES OPERATIONS
September 2019

UNIT 000 TONNES

PRODUCTION

MINE		PLAN 2019-20	FOR THE MONTH				GRTH % OVER LSTYR Sep 2018	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Sep 2018		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1200	96	124	129.5	78	59.0	580	664	115	444	49.6
TULSIDAMAR	DOLO	210	16	18	110.8	20	-11.3	83	93	112	92	1.8
RMD TOTAL		1410	112	142	126.8	98	44.7	663	758	114	536	41.4

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	96	128	133.3	79	62.0	580	669	115	452	48.0
TULSIDAMAR	DOLO	210	16	4	25.8	12	-65.8	83	65	78.3	117	-44.3
RMD TOTAL		1410	112	132	117.9	91	45.0	663	734	111	569	29.1

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
Aug-18	46162	47466	14831	26918	60993	74384
Sep-18	78218	79007	19986	12059	98204	91066
Total	444290	452421	91644	116476	535934	568897

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
Aug-19	114438	118764	18702	8038	133140	126802
Sep-19	0	127962	17721	4121	17721	132083
Total	540100	669196	93292	64952	633392	734148

Over Last Year

DIFF	95810	216775	1648	-51524	97458	165251
%Chg	21.6	47.9	1.8	-44.2	18.2	29.0

QUALITY ANALYSED AT PLANT

September 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	63.02	3.29	1.59	24.5	13.97	4.88	61.14	5.13	2.43	8.24	32.61	7.56		MTH ACT					
CUM	2019-20	62.73	3.19	2.11	19.85	16.32	5.3	61.67	4.2	2.59	8.55	32.57	6.79	CUM	2019-20	26.51	17.93	5.58	4.4	8.01
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	62.22	4.28	1.77	21.63	17.68	6.05	61.47	5.22	2.08	6.64	33.24	7.3		MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	62.96	3.05	1.92	17.99	17.74	4.97	61.58	4.51	2.49	5.92	34.98	7	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT														MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	63.2	2.41	1.96	19.7	17.66	4.37	61.9	3.67	2.63	3.83	38.42	6.3	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

BOL	NORM	62.5	2.8	2.5	10	10	5.3	62.5	2.9	2.8	5	30	5.7	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.95	2.73	2.21	24.97	14.42	4.94	61.83	3.95	2.53	6.6	34.14	6.48		MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	63.01	2.58	2.26	21.13	17.14	4.84	61.76	3.86	2.73	6.29	34.9	6.59	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

BAR	NORM	62.5	2.9	3	10	10	5.9	62	3.5	3	5	30	6.5	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.67	2.68	2.73	16.87	14.86	5.41	61.27	4.04	3.36	6.32	31.94	7.4		MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	62.76	2.49	2.73	18.85	15.74	5.22	61.14	3.96	3.6	6.25	33.96	7.56	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

KAL	NORM	63	2.1	2.3	5	10	4.4	63	2.4	2.5	5	40	4.9	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT														MTH ACT	42.69	4.61	3.45	8.45	24.66
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	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

MPR	NORM	63			10	10		63			5	40		KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	63.31	2.44	2.34	11.05	9.35	4.78	62.87	3.27	2.22	5.05	29.6	5.49		MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	63.73	1.97	1.98	11.34	9	3.95	62.91	3.13	2	4.57	29.07	5.13	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

TAL	NORM	62.5			5	10		62			5	40		KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	63.05	2.71	2.13	10.77	10.02	4.84	61.92	3.72	2.71	4.87	30.22	6.43		MTH ACT	42.69	4.61	3.45	8.45	24.66
CUM	2019-20	63.25	2.23	2.23	10.67	10.54	4.46	61.75	3.71	2.95	4.97	30.34	6.66	CUM	2019-20	43.58	3.61	3.5	10.47	17.21
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	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

QUALITY ANALYSED AT PLANT

September 2019

दूर्गापूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फार्डिन्स

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														MTH ACT						
CUM	2019-20	58.8	6.9	2.6	5.2	17.1	9.5	60.79	6.37	2.48	6.81	46.57	8.85	CUM	2019-20	45.91	1.66	4.07	13.83	27.63
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	60.83	4.7	2.57	14.7	9.07	7.27	62.51	4.8	1.93	3.59	52.44	6.73
CUM	2019-20	62.01	3.66	1.97	14.13	12.4	5.63	62.52	3.48	2.45	4.41	49.03	5.93
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	61.83	2.74	1.93	34.84	11.96	4.67	62.21	2.9	2.35	9.53	37.62	5.25
CUM	2019-20	61.63	3.53	1.88	27.82	11.76	5.41	62	3.44	2.56	8.2	40.13	6
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

September 2019
रात्रकेला इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फार्म्स

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	61.86	5.07	1.99	17.25	22.75	7.06	61.08	5.29	2.21	8.5	41.5	7.5		MTH ACT					
CUM	2019-20	62.27	3.82	2.6	16.51	21.26	6.42	61.65	4.13	2.54	7.87	39.67	6.67	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	61.9	5.01	1.92	17.2	21.2	6.93	61.16	5.19	2.15	20	12	7.34		MTH ACT	49.05	2.88	3.65		
CUM	2019-20	62.42	2.93	3.23	19.8	20.1	6.16	61.71	3.94	2.62	11.01	33.27	6.56	CUM	2019-20	50.15	2.21	3.38		
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							62.1	4.1	1.93	6.5	38.5	6.03
CUM	2019-20							62.1	4.1	1.93	6.5	38.5	6.03
	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												
	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	61.8	4.8	2.3	12	24.5	7.1						
CUM	2019-20	63.28	2.62	2.32	15.78	15.12	4.94	62.9	2.45	2.38	8.52	38.23	4.83
	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			10	10		63			5	40	
	MTH ACT	63.66	2.34	1.96	19	16.25	4.3	62.99	2.8	1.9	7.2	38.2	4.7
CUM	2019-20	63.44	2.45	2.22	19.28	16.22	4.67	62.92	2.54	2.25	7.51	38.06	4.79
	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			5	10		62			5	40	
	MTH ACT							61.67	4.18	2.47	7.5	39.5	6.65
CUM	2019-20	62.67	2.88	2.93	14.42	18.95	5.81	61.8	3.9	2.55	2.26	11.65	6.45
	2018-19	63.46	2.45	2.26	9.36	17.55	4.71						

September 2019

बर्नपूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फार्इन्स

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							62.5	4.58	1.9	8.03	36.21	6.48		MTH ACT					
CUM	2019-20							62.2	4.55	2.28	8.8	37	6.83	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	62.31	4.99	1.69	12.12	12.7	6.68	62.73	4.4	1.67	5.66	46.07	6.07
CUM	2019-20	63.33	3.35	1.91	15.04	6.57	5.26	62.98	3.62	2.24	6.22	45.77	5.86
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

BOL	NORM	62.5	2.8	2.5	10	10	5.3	62.5	2.9	2.8	5	30	5.7
	MTH ACT	62.91	3.91	1.87	31.96	9.23	5.78	62.57	3.77	2.37	10.84	33.83	6.14
CUM	2019-20	63.16	3.48	2.01	25.21	5.76	5.49	62.67	3.69	2.5	9.15	38.95	6.19
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

MPR	NORM	63			10	10		63			5	40	
	MTH ACT												
CUM	2019-20							62.65	4.43	2.56	5.78	47.69	6.99
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

September 2019

भिलाई इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फार्मान्स

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							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	49.81	2.27	3.78	9.4	20.4
CUM	2019-20													CUM	2019-20	49.98	2.14	3.8	8.66	17.99
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							63.29	4.84	1.85	2.64	62.08	6.69							
CUM	2019-20							64.16	2.67	1.83	1.9	53.92	4.5							
CUM	2018-19																			

किरीबुरु

लम्प

	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	62.07	4.29	2.32	19.87	17.65	6.61	0.54	101188
Sep-19	61.97	4.91	1.95	17.91	21.95	6.86	0.40	77563
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.33	3.75	2.52	17.04	20.51	6.27	0.67	548539

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	61.38	4.88	2.27	8.92	37.56	7.15	0.47	233704
Sep-19	61.11	5.21	2.32	8.37	37.18	7.53	0.44	221053
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.73	4.19	2.55	7.89	36.65	6.73	0.61	1525302

मेघाहातुबुरु

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	62.54	3.65	2.21	17.11	20.11	5.86	0.60	101528
Sep-19	62.03	4.72	1.86	18.96	19.80	6.58	0.39	85676
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.58	3.44	2.29	18.23	19.22	5.73	0.66	528715

मेघाहातुबुरु

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	61.41	4.97	2.29	7.73	36.00	7.26	0.46	218171
Sep-19	61.53	5.07	2.08	13.68	23.13	7.15	0.41	192913
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.67	4.35	2.52	7.91	35.59	6.87	0.58	1540391

बोलानी

लम्प

	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	61.77	4.01	1.74	30.16	9.27	5.75	0.43	200134
Sep-19	62.26	2.95	1.98	32.23	11.98	4.93	0.67	142430
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.40	3.21	2.03	25.10	12.23	5.24	0.63	1117617

बोलानी

फार्इन्स

	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	61.94	4.09	2.42	8.49	38.25	6.51	0.59	317909
Sep-19	62.29	3.32	2.38	9.65	35.90	5.70	0.72	266861
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.20	3.59	2.56	8.23	38.87	6.16	0.71	1799043

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	62.05	4.52	2.02	23.96	8.08	6.54	0.45	71280
Sep-19	61.87	4.90	1.95	12.89	11.62	6.86	0.40	63634
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.82	3.41	1.93	14.94	9.36	5.35	0.57	483094

गुआ

फार्इन्स

	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	62.33	4.14	2.39	4.28	48.54	6.53	0.58	229040
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.82	3.47	2.39	5.14	46.95	5.86	0.69	1060180

बरसुआ

लम्प

	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	62.86	2.50	2.62	20.46	14.86	5.12	1.05	46610
Sep-19	62.67	2.68	2.73	16.87	14.86	5.41	1.02	45600
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.76	2.49	2.73	18.85	15.74	5.22	1.09	309765

बरसुआ

फाईन्स

	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	61.29	3.99	3.35	6.41	34.20	7.34	0.84	87433
Sep-19	61.27	4.04	3.36	6.32	31.94	7.40	0.83	60386
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.14	3.96	3.60	6.25	33.96	7.56	0.91	440937

तलडीह

लम्प

	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			5.00	10.00			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	63.49	2.29	1.93	10.43	9.37	4.22	0.84	10603
Sep-19	63.05	2.71	2.13	10.77	10.02	4.84	0.79	43979
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.18	2.32	2.33	11.17	11.67	4.64	1.00	150807

तलडीह

फाईन्स

	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			5.00	40.00			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	61.46	4.57	2.40			6.97	0.53	28626
Sep-19	61.82	3.91	2.61	5.96	34.05	6.52	0.67	48752
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.78	3.83	2.70	6.00	33.72	6.53	0.71	177149

मनोहरपूर

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			10.00	10.00			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	63.65	2.05	2.07	10.52	9.22	4.12	1.01	19836
Sep-19	63.59	2.36	2.04	17.41	14.87	4.40	0.86	20468
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.65	2.10	2.05	13.47	10.95	4.15	0.98	165841

मनोहरपूर

फाईंस

	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			5.00	40.00			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	63.13	3.26	1.56	5.23	29.48	4.82	0.48	16508
Sep-19	62.96	2.90	1.97	6.73	36.32	4.87	0.68	36471
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.86	2.81	2.21	6.16	34.56	5.02	0.79	156003

काल्टा

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	63.19	3.15	2.03	17.43	14.71	5.18	0.64	31995
Sep-19	61.80	4.80	2.30	12.00	24.50	7.10	0.48	7294
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.29	2.61	2.31	15.71	15.07	4.93	0.88	343954

काल्टा

फाईंस

	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	62.95	2.70	2.15			4.85	0.80	7725
Sep-19								
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.91	2.51	2.33	7.94	36.93	4.84	0.93	287679

ग्रनावत्ता :: 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	63.06	2.68	2.18	18.86	14.53	4.86	0.81	178194
Sep-19	62.76	3.05	2.22	17.88	13.89	5.27	0.73	164730
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.02	2.60	2.26	17.85	15.46	4.85	0.87	1294130

ग्रनावत्ता:: 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	60.60	4.68	1.83	28.70	9.63	6.51	0.39	134030
Sep-19	61.65	3.09	2.04	31.22	11.44	5.14	0.66	105300
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.72	3.57	1.91	24.20	11.94	5.48	0.53	702470

ग्रनावत्ता :: बोकारो

BLEND

फाईब्स

	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	61.63	4.27	2.63	7.08	33.45	6.90	0.62	333842
Sep-19	61.43	4.60	2.59	6.94	32.43	7.19	0.56	288741
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.62	4.10	2.78	6.69	33.73	6.87	0.68	2158359

ग्रनावत्ता:: दूर्गापूर

BLEND

फाईब्स

	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	61.74	4.00	2.40	7.98	40.79	6.39	0.60	220415
Sep-19	62.26	3.23	2.28	8.50	40.18	5.51	0.71	172770
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.05	3.64	2.53	7.13	42.86	6.17	0.69	1306708

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	62.16	4.28	2.33	17.78	19.33	6.61	0.54	156730
Sep-19	62.07	4.73	1.98	17.17	21.56	6.71	0.42	145874
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.66	3.19	2.65	17.12	18.91	5.84	0.83	1134664

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	63.04	3.82	1.76	29.30	6.80	5.57	0.46	112920
Sep-19	62.53	4.59	1.76	19.42	11.42	6.35	0.38	70740
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.25	3.41	1.96	19.75	6.19	5.37	0.57	512287

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	61.25	5.06	2.21			7.26	0.44	245733
Sep-19	61.40	4.86	2.16			7.02	0.45	268561
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.91	3.74	2.53			6.28	0.68	1876963

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	62.33	4.25	2.36	7.31	41.39	6.61	0.56	284340
Sep-19	62.64	4.20	1.96	7.92	40.06	6.16	0.47	255960
Oct-19								
Nov-19								
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.75	3.77	2.36	7.80	41.76	6.13	0.63	1476626

तुलसीदामर

BF DOLOMITE

गुणवत्ता :: बोकारो इस्पात संयंत्र

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO ₂	OS	US
Act 18-19	28.68	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	26.47	17.99	5.96	4.68	9.05
Sep-19					
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	26.51	17.93	5.58	4.40	8.01

	CaO	MgO	SiO ₂	OS	US
Act 18-19	43.69	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	44.27	3.96	3.54	10.77	16.23
Sep-19	42.69	4.61	3.45	8.45	24.66
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	43.58	3.61	3.50	10.47	17.21

तुलसीदामर

BF DOLOMITE

गुणवत्ता :: भिलाई इस्पात संयंत्र

कुटेश्वर

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 18-19	28.53	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	42.69	4.61	3.45	8.45	24.66
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	49.83	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	50.40	1.85	3.79	8.80	23.00
Sep-19	49.81	2.27	3.78	9.40	20.40
Oct-19					
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	49.98	2.14	3.80	8.66	17.99

PROJ. NO.	UTILS. UPTO Mar'19	UTILS. UPTO Sept-19	MAKE / TYPE	CAP	DATE OF COMMISSION	September-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	BEML,BE-1000	4.5CU.M	31-Jul-08	600	600										3660	3660										
EX-20	24918	26032	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	600	104	168	496	328	82.7	54.7	66.1	5.17	72.10	3660	311	2235	3349	1114	91.5	33.3	30.4	6.18	75.13			
EX-22	14347	16417	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	600	20	364	580	216	96.7	36.0	37.2	5.62	76.39	3660	95	1496	3566	2070	97.4	58.1	56.6	5.82	65.05			
EX-23	15098	17322	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	600	2	286	598	312	99.7	52.0	52.2	3.86	53.37	3660	108	1328	3552	2224	97.0	62.6	60.8	4.94	60.39			
						TOTAL	1800	126	818	1674	856	93.0	51.1	47.6	4.80	66.36	10980	514	5059	10467	5408	95.3	51.7	49.3	5.53	65.21		
DUMPERS [8]																												
DUM-82	26594	26594	BEML,210M	50Te	13-Apr-04	600	600										-	-	3060	3060								
DUM-84	24408	24408	BEML,210M	50Te	6-Apr-07	600	600										-	-	3060	3060								
DUM-85	21444	21444	BEML,210M	50Te	6-Apr-07	600	600										-	-	3060	3060								
DUM-86	21914	21914	BEML,210M	50Te	10-Jul-07	600	600										-	-	3060	3060								
						TOTAL	2400	2400											12240	12240								
DUM-87	13614	13802	BEML,BH-85	85Te	30-Mar-08	600	600										-	-	3040	2241	611	799	188	26.3	23.5	6.2	4.39	43.94
DUM 88	29181	30399	KOMATSU HD785-7	100 Te	23-Jul-10	600	140	167	460	293	76.67	48.83	63.70	2.93	38.23	3660	1586	856	2074	1218	56.7	58.7	33.3	3.39	39.12			
DUM 89	34269	35354	KOMATSU HD785-7	100Te	23-Jul-10	600	448	56	152	96	25.33	16.00	63.16	3.23	27.08	3660	1459	1116	2201	1085	60.1	49.3	29.6	3.79	36.59			
DUM-91	18341	18897	CAT 777D	100T	2-Feb-12	600	51	454	549	95	91.50	15.83	17.30	4.55	49.47	3660	974	2130	2686	556	73.4	20.7	15.2	4.98	46.64			
DUM-92	20471	21287	CAT 777D	100T	2-Feb-12	600	44	375	556	181	92.67	30.17	32.55	3.40	37.85	3660	1271	1573	2389	816	65.3	34.2	22.3	4.03	37.43			
DUM-93	8194	9839	BEML BH-100	100T	2-May-15	600	100	287	500	213	83.33	35.50	42.60	2.69	41.31	3660	494	1521	3166	1645	86.5	52.0	44.9	3.31	44.33			
DUM-94	6521	7918	BEML BH-100	100T	2-May-15	600	76	217	524	307	87.33	51.17	58.59	2.91	34.69	3660	714	1549	2946	1397	80.5	47.4	38.2	3.63	44.19			
DUM-95	5381	6147	BEML BH-100S	100T	May 2016	600	119	389	481	92	80.17	15.33	19.13	4.70	47.28	3660	458	2436	3202	766	87.5	23.9	20.9	5.76	46.14			
						TOTAL	4200	978	1945	3222	1277	76.71	39.63	30.40	3.22	38.49	25620	6956	11181	18664	7483	72.8	40.1	29.2	3.91	41.94		
DRILL [4]																												
DM-17	22677	22977	IR-ROTACOL-IDM-30	160mm	24-Mar-05	480	175	266	306	40	63.65	8.23	12.93	7.24	63.29	2928	1643	986	1286	300	43.9	23.3	10.2	9.26	35.56			
DM-18	25867	26535	AC-ROTACOL-IDM-30	160mm	19-May-08	480	238	143	242	100	50.42	20.73	41.12	9.48	32.66	2928	837	1423	2091	668	71.4	31.9	22.8	9.63	27.86			
DM-19	18828	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	480	480																					
DM-20	10441	11474	AC-ROTACOL-IDM-30	160mm	Oct '14	480	35	230	445	216	92.71	44.90	48.43	8.85	24.36	2928	442	1454	2486	1033	84.9	41.5	35.3	9.72	27.29			
						TOTAL	1920	928	638	993	355	51.69	35.72	18.46	8.85	31.03	11712	5850	3863	5863	2000	50.1	34.1	17.1	9.62	28.72		
DOZER [6]																												
DOZ-29	18180	18180	BEML, D-355	410HP	11-Jun-04	480	480									-	-	2928	2432	496	496		16.9					
DOZ-30	21843	21866	BEML, D-355	410HP	8-Jul-07	480	480									-	-	2928	2404	501	524	23	17.9	4.4	0.8	36.96		
DOZ-31	19778	20149	BEML, D-355	410 HP	19-Feb-09	480	16	464	464		96.7					-	-	2928	1090	1467	1838	371	62.8	20.2	12.7	35.85		
DOZ-32	6614	6840	BEML, D-355	410 HP	17-Apr-15	480	194	272	286	14	59.6	2.9	4.9		10.71	2928	1873	829	1055	226	36.0	21.4	7.7	38.72				
DOZ-33	4439	5738	BEML, D-356	410HP	22-Sep-17	480	13	210	467	258	97.3	53.6	55.1		29.32	2928	325	1305	2603	1299	88.9	49.9	44.3	37.50				
DOZ-34	630	1938	BEML, D-356	410HP	31-Dec-18	480	44	210	436	226	90.8	47.1	51.8		32.74	2928	285	1335	2643	1308	90.3	49.5	44.7	34.02				
						TOTAL	2880	1227	1156	1653	498	57.4	30.1	17.3		30.35	17568	8409	5933	9159	3227	52.1	35.2	18.4	35.98			
PAY LOADER [1]																												
FEL-4	12729	13049	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	240	8	220	232	12	96.67	5.00	5.17		16.7	1472	364	788	1108	320	75.3	28.9	21.7		15.08			
MPTOR GRADER [3]																												
MG-7	6322	6322	BEML, BG825	280HP	10-Jul-91	240	192	48	48		20.00					-	-	1464	1416	48	48		3.28					
MG-8	3088	3137	BEML, BG825	280HP	19-May-12	240	16	212	224	12	93.33	5.00	5.36					1464	269	1146	1195	49	81.63	4.10	3.35		29.59	
MG-9		235	BEML, BG825	280HP	5-Mar-19	240	16	197	224	27	93.33	11.25	12.05		22.22	1464	56	1174	1408	235	96.2	16.65	16.02		19.40			
						TOTAL	720	224	457	496	39	68.89	7.86	5.42		15.38	4392	1741	2368	2651	284	60.36	10.69	6.45		21.16		
WATER TANKER [3]																												
WT-83	20855	20862	BEML, WS-28-2	28KL	21-Mar-05	600	600									-	-	3660	3653		7	7	0.2	100.0	0.2			
WT-90	12967	13326	BEML, WS-28-2	28KL	Mar '11	600		600			100.0					-	-	3660	622	2679	3038	359	83.0	11.8	9.8		28.94	
WT-96	248	588	BEML, WS-2																									

MEGHAHATUBURU IRON ORE MINES

Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Sept-19	MAKE / TYPE	CAPACITY	DATE OF COMM	September-19										2019-2020										
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	F/RA TE	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	36977	BEML	4.5 CUM	30-09-2005	720	601	107	119	12	16.5	10.1	1.7		25	4392	4206	169	186	18	4.2	9.4	0.4	1.4	29	
EXCAVATORS 9.5 CUM. [3]																										
PC-14	31444	33481	KOMATSU	9.5 CUM	20-01-2012	720	111	216	610	394	84.7	64.6	54.7	7.2	84	4392	850	1505	3542	2037	80.6	57.5	46.4	6.8	87	
PC-17	16137	18127	KOMATSU	9.5 CUM	24-07-2015	720	166	268	555	287	77.0	51.8	39.9	6.9	84	4392	1075	1328	3318	1990	75.5	60.0	45.3	6.8	87	
PC-18	29267	30895	KOMATSU	9.5 CUM	11-07-2016	720	130	334	590	256	81.9	43.4	35.6	6.5	85	4392	1046	1719	3347	1628	76.2	48.6	37.1	7.0	87	
						TOTAL	2160	406	817	1754	937	81.2	53.4	43.4	6.9	84	13176	2970	4551	10206	5655	77.5	55.4	42.9	6.9	87
DUMPER,50 TE [2]																										
D - 49	28071	28167.5	BEML	50 TON	05-03-2007	720	720								-	-	4392	3681	615	711	97	16.2	13.6	2.2	0.6	24
D - 50	23971	23971	BEML	50 TON	15-04-2007	720	720								-	-	4392	4392							-	-
						TOTAL	1440	1440							-	-	8784	8073	615	711	97	8.1	13.6	1.1	0.6	24
DUMPER,100 TE [7]																										
D - 51	29346	31433	KOMATSU	100 TON	01-09-2010	720	153	181	567	386	78.8	68.1	53.6	3.9	36	4392	1165	1141	3228	2087	73.5	64.7	47.5	3.9	39	
D - 52	30670	32250	KOMATSU	100 TON	01-09-2010	720	573	120	147	27	20.4	18.4	3.8	1.1	46	4392	1855	957	2537	1580	57.8	62.3	36.0	4.0	41	
D - 53	29377	31525	KOMATSU	100 TON	01-09-2010	720	189	195	531	336	73.8	63.3	46.7	4.1	37	4392	1160	1085	3233	2148	73.6	66.5	48.9	3.9	40	
D - 54	15343	15617	CATER	100 TON	06-02-2012	720	200	342	520	178	72.2	34.2	24.7	3.9	47	4392	3383	735	1009	274	23.0	27.2	6.2	3.7	46	
D - 55	17913	18988	CATER	100 TON	06-02-2012	720	104	420	616	196	85.6	31.8	27.2	3.6	48	4392	687	2631	3706	1075	84.4	29.0	24.5	3.8	46	
D - 56	7648	9358	BEML	100 TON	09-05-2016	720	125	241	595	354	82.6	59.5	49.2	3.7	43	4392	1152	1530	3240	1710	73.8	52.8	38.9	3.8	43	
D - 57	7846	9095	BEML	100 TON	09-05-2016	720	152	353	568	215	78.9	37.9	29.9	4.1	44	4392	1215	1929	3178	1249	72.3	39.3	28.4	3.5	45	
						TOTAL	5040	1496	1852	3544	1692	70.3	47.7	33.6	3.8		30744	10615	10006	20129	10123	65.5	50.3	32.9	3.8	42
DRILL [4]																										
DM - 7	24127	24505	IR	6 " DIA	01-04-2005	360	240	38	120	82	33.3	68.3	22.8	3.4	31	2196	1250	568	946	379	43.1	40.0	17.2	5.4	32	
DM - 8	21406	22538	IR	6 " DIA	05-05-2008	360	83	80	278	198	77.1	71.2	54.9	7.8	35	2196	504	561	1693	1132	77.1	66.9	51.5	9.0	33	
DM - 9	19933	21139	IR	6 " DIA	16-09-2009	360	62	87	299	212	82.9	70.9	58.8	8.4	36	2196	440	550	1757	1207	80.0	68.7	54.9	11.8	34	
DM - 10	12394	13630	IR	6 " DIA	06-11-2014	360	37	70	323	254	89.7	78.5	70.4	8.4	33	2196	465	496	1732	1236	78.8	71.4	56.3	11.6	33	
						TOTAL	1440	421	275	1019	745	70.8	73.1	51.7	7.7	34	8784	2658	2175	6127	3952	69.7	64.5	45.0	10.3	33
DOZER [7]																										
DOZ-23	21979	22218	BEML	410 HP	02-10-2008	720	720								-	4392	3054	1100	1338	239	30.5	17.8	5.4		33	
DOZ-24	18151	19025	BEML	410 HP	06-04-2010	720	326	246	394	148	54.7	37.6	20.6		32	4392	1442	2076	2951	875	67.2	29.6	19.9		33	
DOZ-25	8260	8686	BEML	410 HP	28-12-2010	720	364	262	356	95	49.4	26.5	13.1		32	4392	2036	1930	2356	427	53.6	18.1	9.7		34	
DOZ-26	16680	17097	BEML	410 HP	16-05-2011	720	343	278	377	100	52.4	26.4	13.8		35	4392	2488	1487	1904	417	43.4	21.9	9.5		35	
DOZ-27	9666	9994	BEML	410 HP	28-04-2015	720	389	242	331	89	46.0	26.9	12.4		34	4392	1943	2121	2449	328	55.8	13.4	7.5		35	
DOZ-28	3029	3816	BEML	410HP	31-03-2018	720	112	561	609	48	84.5	7.9	6.7		33	4392	871	2734	3521	787	80.2	22.4	17.9		33	
DOZ-29	519	2023	BEML	410HP	19-12-2018	720	161	339	559	220	77.6	39.4	30.6		32	4392	1043	1846	3349	1504	76.3	44.9	34.2		33	
						TOTAL	5040	2415	1927	2626	699	52.1	26.6	13.9		33	30744	12877	13293	17868	4575	58.1	25.6	14.9		34
PAY LOADER [1]																										
PL - 03	3985		HYUNDAI	3.7 CU.M	18-09-2012	720	328	203	392	190	54.4	48.3	26.3		26	4392	3320	620	1072	453	24.4	10.3	42.2			
BACK HOE [3]																										
BE-12A	22015	23019	BEML	1.2 CUM	Nov'08	720	185	232	535	303	74.3	56.6	42.1		21	4392	2284	1104	2108	1004	48.0	47.6	22.9		23	
HT-15	18637	20201	TCECL	1.5 CUM	03-10-2012	720	140	230	580	351	80.6	60.4	48.7		27	4392	1231	1597	3161	1565	72.0	49.5	35.6		24	
HT-16	12349	13132	TCECL	1.5 CUM	01-12-2014	720	720								-	-	4392	2952	657	1440	783	32.8	54.4	17.8		25
						TOTAL	2160	1045	462	1115	654	51.6	58.6	30.3		24	13176	6467	3358	6709	3352	50.9	50.0	25.4		24
WATER TANKER [3]																										
WT - 05	18960	19754	BEML	28 KL	15.02.07	720	132	565	588	24	81.7	4.0	3.3	0.6	23	4392	1134	2464	3258	794	74.2	24.4	18.1	0.6	23	
WT - 06	11002	11415	BEML	28 KL	17-08-2012	720	167	482	553	71	76.8	12.8														

BOLANI ORE MINES

Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Sept-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	September-19										2019-2020										
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/H R	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											2184	2176		8	8	0.37	100.00	0.37			
EX-26	31002	31378	BEML PC-1000(D)	4.5 CuM	24-Jun-05	720	303	379	417	38	57.9	9.1	5.3	7.47	40.4	4392	598	3419	3795	376	86.40	9.91	8.56	0.76	37.73	
						SUB TOTAL	720	303	379	417	38	57.9	9.1	5.3	7.47	40.4	6576	2774	3419	3803	384	57.82	10.10	5.84	0.74	36.95
EX-28	15660	15846	BE-1600	7.5 Cu.m	22-Jun-10	720	114	543	606	63	84.2	10.4	8.8	1.43	47.1	4392	3077	1128	1315	187	29.94	14.20	4.25	0.85	55.50	
EX-29	25506	26945	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	720	26	430	694	264	96.4	38.0	36.7	5.09	70.7	4392	740	2213	3652	1439	83.15	39.41	32.77	4.68	78.97	
EX-30	15028	16980	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	720	99	390	621	231	86.3	37.2	32.1	5.28	50.6	4392	367	2073	4025	1952	91.63	48.50	44.44	4.98	75.65	
EX-31	13363	15231	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	720	68	402	652	250	90.6	38.3	34.7	5.42	70.5	4392	323	2201	4069	1868	92.64	45.92	42.54	5.25	78.00	
						SUB TOTAL	2880	307	1765	2573	808	89.3	31.4	28.1	4.96	63.1	17568	4507	7614	13061	5446	74.34	41.70	31.00	4.85	76.64
						TOTAL	3600	610	2144	2990	846	83.1	28.3	23.5	5.07	62.1	24144	7281	11033	16863	5830	69.84	34.57	24.15	4.58	74.03
DUMPER,50 TE [2]																										
HP-30	17659	17659	C.I.773D(I)	50 T	01-Mar-06	720	720								-	-	4392	4336	56	56	1.28					
HP-32	23497	23872	BEML BH-50M	50 T	06-Mar-08	720	417	265	303	38	42.1	12.5	5.3	7.47	22.5	4392	1586	2432	2807	375	63.90	13.36	8.54	0.76	15.68	
						TOTAL	1440	1137	265	303	38	21.0	12.5	2.6	7	22.5	8784	5922	2488	2863	375	32.59	13.10	4.27	0.76	15.68
DUMPER,100 TE [8]																										
HP-32A	29825	30890	KOMATSU HD785-7	100 T	22-Jun-10	720	720								-	-	4392	2704	624	1688	1064	38.44	63.04	24.23	3.58	35.77
HP-34	26579	26787	KOMATSU HD785-7	100 T	22-Jun-10	720	324	196	396	200	55.0	50.5	27.8	3.82	24.6	4392	3980	204	412	208	9.38	50.49	4.74	3.67	23.70	
HP-35	15842	16545	BEML BH-100	100 T	22-Jun-10	720	119	498	601	103	83.5	17.1	14.3	3.70	31.5	4392	1809	1879	2583	704	58.81	27.25	16.02	1.97	21.37	
HP-36	11757	12112	BEML BH-100	100 T	22-Jun-10	720	455	249	265	16	36.8	6.0	2.2	3.56	28.6	4392	2480	1557	1912	355	43.53	18.56	8.08	1.22	31.55	
HP-37	19607	21319	CAT 777D	100 T	25-Jan-12	720	303	261	417	156	57.9	37.4	21.7	3.88	23.8	4392	1076	1604	3316	1712	75.50	51.64	38.99	3.47	31.55	
HP-38	8907	10956	BEML BH-100S	100 T	03-May-16	720	130	303	590	287	81.9	48.6	39.9	3.59	27.5	4392	405	1938	3987	2049	90.78	51.39	46.65	3.33	32.52	
HP-39	8614	9917	BEML BH-100S	100 T	03-May-16	720	100	306	620	314	86.1	50.6	43.6	3.73	26.3	4392	1786	1302	2606	1303	59.33	50.02	29.68	3.52	31.91	
HP-40	9440	10283	BEML BH-100S	100 T	03-May-16	720	712	7	8	1	1.1	12.5	0.1	1.00	247.0	4392	2628	921	1765	843	40.18	47.79	19.20	3.14	38.91	
						TOTAL	5760	2863	1820	2897	1077	50.3	37.2	18.7	3.72	26.7	35136	16868	10029	18268	8239	51.99	45.10	23.45	3.21	31.35
DRILL [4]																										
DM-11	17159	17901	AC-ROTACOL-IDM-30	160mm	14-Feb-08	480	102	227	378	151	78.8	39.9	31.5	10.96	36.2	2928	1035	1150	1893	743	64.64	39.23	25.36	12.10	34.31	
DM-12	17912	18475	AC-ROTACOL-IDM-30	160mm	12-Aug-09	480	69	308	411	103	85.6	25.1	21.5	10.38	38.0	2928	983	1383	1946	562	66.44	28.90	19.21	13.07	32.25	
DM-12A	16453	16978	AC-ROTACOL-IDM-30	160mm	22-Mar-11	480	150	259	330	71	68.8	21.5	14.8	10.30	49.8	2928	492	1910	2436	525	83.18	21.57	17.94	13.03	33.08	
DM-14	9768	10945	AC-ROTACOL-IDM-30	160mm	19-Nov-14	480	42	275	438	163	91.3	37.2	34.0	13.77	34.5	2928	399	1352	2530	1177	86.39	46.54	40.20	15.02	34.74	
						TOTAL	1920	363	1069	1557	488	81.1	31.3	25.4	11.68	38.0	11712	2909	5796	8803	3007	75.16	34.16	25.68	13.59	33.88
DOZER [8]																										
DOZ-22	16080	16088	BEML BD355	410 HP	06-Jul-07	480	480								-	-	2928	2912	8	16	8	0.5	50.0	0.3		
DOZ-23	12013	12351	BEML BD355	410 HP	27-Aug-08	480	464	16	16	3.3				-	-	2928	1897	693	1031	338	35.2	32.8	11.5		23.6	
DOZ-24	13560	13690	BEML BD355	410 HP	09-Mar-10	480	314	109	166	57	34.6	34.3	11.9		22.5	2976	2374	472	602	130	20.2	21.6	4.4		24.2	
DOZ-25	11535	12145	BEML BD355	410 HP	09-Mar-10	480	439	40	41	1	8.5	2.4	0.2			3296	1238	1448	2058	610	62.4	29.7	18.5		45.7	
DOZ-26	7962	8654	BEML BD355	410 HP	03-May-14	480	342	82	138	56	28.8	40.6	11.7		32.1	3080	1109	1278	1971	693	64.0	35.1	22.5		34.9	
DOZ-27	6542	7117	BEML BD355	410 HP	03-May-14	704	36	585	668	83	94.9	12.4	11.8		55.5	3656	676	2406	2981	575	81.5	19.3	15.7		49.8	
DOZ-28	6479	7292	BEML BD355	410 HP	26-Apr-16	720	45	547	675	128	93.8	19.0	17.8		40.6	4224	247	3164	3977	814	94.2	20.5	19.3		39.3	
DOZ-29		952	BEML BD355	410 HP	15-Apr-19	544	10	264	534	270	98.2	50.6	49.6		30.0	2936	161	1823	2775	952	94.5	34.3	32.4		37.8	
						TOTAL	4368	2130	1643	2238	595	51.2	26.6	13.6		35.2	26024	10614	11291	15410	4119	59.2	26.7	15.8		38.8
PAY LOADER [3]																										
PL-20	14405	14542	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	720	680	40	40	5.6				-	-	4392	3171	1084	1221	137	27.80	11.23	3.12		28.12	
PL-22	10573	10573	Hyundai-hl770-7A	280 HP	26-May-10	720	720							-	-	4392	4392									
PL-23	9742	11421	Kawasaki, 90ZV	257 HP	07-Oct-15	720	27	419	693	274	96.3	39.5	38.1		23.5	4392	96	2616	4296	1680	97.81	39.10	38.25		23.58	
						TOTAL	2160	1427	459	733	274	33.9	37.4	12.7	</											

BARSUA IRON MINES

Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Sept-19	MAKE / TYPE	CAP	DATE OF COMMISSION	September-19												2019-2020											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/H R	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR				
EXCAVATORS [6]																													
EX-20	25868	26303	BEML,BE-1000	4.5 CuM	Mar-04	600	46	437	554	117	92.33	21.12	20	4.78	41.88	3144	451	2258	2693	435	85.7	16.2	13.8	5.45	43.6				
EX-22	19566	20128	BEML,BE-1000	4.5 CuM	22-Dec-08	600	156	351	444	93	74.00	20.95	16	5.46	48.39	3144	601	1981	2543	562	80.9	22.1	17.9	6.75	54.1				
EX-23	15937	15939	BEML, BE-1000	4.5CuM	18-Feb-10	600	600							-	-	3184	3180	2	4	2	0.1	50.0	0.1			450.0			
EX-27	2175	3263	BEML, BE-1000-1	4.5 CuM	19-Dec-17	600	54	474	546	72	91.00	13.19	12	5.44	53.47	3144	366	1690	2778	1088	88.4	39.2	34.6	7.12	62.7				
						TOTAL	2400	856	1262	1544	282	64.33	18.26	11.75	5.17	46.99	12616	4598	5931	8018	2087	63.6	26.0	16.5	6.67	56.8			
EX-21	18158	18158	TELCON,1200V-1018	5.9 CuM	28-May-07	600	600							-	-	3144	3144												
EX-24	12701	13422	BEML, BE-1600	7.5CuM	04-Aug-11	600	86	277	514	237	85.67	46.11	40	6.45	65.61	3120	1123	1276	1997	721	64.0	36.1	23.1	6.71	72.3				
						TOTAL	1200	686	277	514	237	42.83	46.11	19.75	6.45	65.61	6264	4267	1276	1997	721	31.9	36.1	11.5	16.15	72.3			
DUMPER,50 TE [5]																													
HPD-90	16619	17166	BEML,210M	50T	1-Apr-05	600	427	138	173	35	28.83	20.23	5.83	2.57	51.83	3184	799	1838	2385	547	74.9	22.9	17.2	2.89	33.5				
BH-93	24313	24399	BH-50 M	50T	1-Feb-08	600	479	120	121	1	20.17	0.83	0.17			3144	1512	1546	1632	86	51.9	5.3	2.7	4.86	45.9				
BH-94	22423	23196	BH-50 M	50T	22-Dec-08	600	149	342	451	109	75.17	24.17	18.17	2.47	32.57	3144	489	1882	2655	773	84.4	29.1	24.6	2.84	30.6				
BH-95	30907	31033	BH-50 M	50T	6-Feb-09	600	95	379	505	126	84.17	24.95	21.00	2.37	16.67	3120	2615	379	505	126	16.2	25.0	4.0	2.37	22.6				
BH-96	26092	26331	BH-50 M	50T	20-Aug-09	600	128	396	472	76	78.67	16.10	12.67	2.50	28.89	3120	2148	733	972	239	31.2	24.6	7.7	2.63	27.6				
BH-99	23409	23621	BH-50 M	50T	20-Feb-14	600	36	497	564	67	94.00	11.88	11.17		29.48	3696	121	3363	3575	212	96.7	5.9	5.7		22.2				
						TOTAL	3600	1314	1872	2286	414	63.50	18.11	11.50	2.05	28.10	19408	7684	9741	11724	1983	60.4	16.9	10.2	2.57	30.3			
DUMPER,60 TE [3]																													
HPD-101	4393	6005	BEML,BH-60	60 T	16-Nov-17	600	229	174	371	197	61.83	53.10	32.83	3.03	32.74	3120	613	895	2507	1612	80.4	64.3	51.7	2.63	34.5				
HPD-102	4119	5831	BEML,BH-60	60 T	23-Nov-17	600	85	213	515	302	85.83	58.64	50.33	2.25	34.60	3144	606	826	2538	1712	80.7	67.5	54.5	2.52	37.5				
HPD-103		1728	BEML,BH-60	60 T	08-May-19	600	70	179	530	351	88.33	66.23	58.50	2.25	33.33	3024	419	877	2605	1728	86.1	66.3	57.1	2.49	33.9				
						TOTAL	1200	314	387	886	499	73.83	56.32	41.58	2.56	33.87	9288	1638	2598	7650	5052	82.4	66.0	54.4	1.70	35.3			
DUMPER,100 TE [2]																													
BH-97	10065	10128	BEML,BH-100	100 T	4-Aug-11	600	600							-	-	3120	2447	610	673	63	21.6	9.4	2.0	3.98	52.4				
BH-98	8133	8401	BEML,BH-100	100 T	04-Aug-11	600	32	494	568	74	94.67	13.03	12.33	2.96	53.88	3120	213	2639	2907	268	93.2	9.2	8.6	3.28	54.3				
						TOTAL	1200	632	494	568	74	47.33	13.03	6.17	2.96	53.88	6240	2660	3249	3580	331	57.4	9.2	5.3	3.41	53.9			
DRILL [3]																													
DM-7	23658	23690	AC - IDM-30	160mm	29-Jan-98	400	370	18	30	12	7.50	40.00	3.00	19.17	45.83	2080	1659	389	421	32	20.2	7.6	1.5	15.00	40.6				
DM-9	9778	9977	AC - IDM-30	160mm	30-Sep-09	400	16	365	384	19	96.00	4.95	4.75	9.58	31.58	2080	524	1357	1556	199	74.8	12.8	9.6	16.99	41.0				
DM-10	5013	5467	AC - IDM-30	160mm	14-Jan-15	400	10	336	390	54	97.50	13.85	13.50	11.94	45.37	2080	313	1313	1767	454	85.0	25.7	21.8	16.99	38.1				
						TOTAL	1200	396	719	804	85	67.00	10.57	7.08	12.44	42.35	6240	2496	3059	3744	685	60.0	18.3	11.0	16.90	39.1			
DOZER [5]																													
TR-36 (B/V)	14105	14105	BEML,D-155A	320 HP	23-Apr-05	600	600							-	-	3840	3816	24	24		0.6								
TR-37	14937	15910	BEML,D-155A	320 HP	22-Jun-07	600	53	369	547	178	91.17	32.54	29.67		44.02	3840	363	2504	3477	973	90.5	28.0	25.3		38.0				
TR-38	15963	16427	BEML, D-355	410 HP	16-Feb-10	600	101	431	499	68	83.17	13.63	11.33		23.53	3120	495	2161	2625	464	84.1	17.7	14.9		30.7				
TR-39	10311	10333	BEML, D-355	410 HP	10-Apr-12	600	206	372	394	22	65.67	5.58	3.67		45.45	3120	2566	532	554	22	17.8	4.0	0.7		56.8				
TR-40	5567	5888	BEML, D-355	410 HP	6-Jun-14	600	98	432	502	70	83.67	13.94	11.67		42.14	3120	898	1901	2222	321	71.2	14.4	10.3		41.7				
						TOTAL	3000	1058	1604	1942	338	64.73	17.40	11.27		39.60	17040	8138	7122	8902	1780	52.2	20.0	10.4		37.0			
PAY LOADER [2]																													
FEL-6	9566	10004	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	300	31	236	269	33	89.67	12.27	11.00		19.39	1908	240	1230	1668	438	87.4	26.3	23.0		18.7				
FEL-7	5982	6280	HYUNDAI	280 HP	27-Aug-11	300	34	180	266	86	88.67	32.33	28.67		20.40	1592	301	993	1291	298	81.1	23.1	18.7		18.1				
						TOTAL	600	65	416	535	119	89.17	22.24	19.83		20.12	3500	541	2223	2959	736	84.5	24.9	21.0		18.4			
MOTOR GRADER [1]																													
MG-6	7237	7498	BEML bt 825	280HP	14-Sep-02	400	33	278	367	89	91.75	24.25	22.25		18.13	2080													

GUA ORE MINE

Equipment Performance Report



SAIL-RMD

EQUIPMENTS	UTILIS. UPTO Mar'19	UTILIS. UPTO Sept-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	September-19										2019-2020												
						SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/H R	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	720	720							-	-	4392	4392											
D-12	10821	11566	BE 1600	7.5 CuM	16-Feb-11	720	338	216	382	166	53.1	43.5	23.1	3.7	54.2	4392	2632	1015	1760	745	40.1	42.3	17.0	3.9	57.7			
D-14	25243	27727	KOMATSU	9.5 CuM	06-Apr-12	720	63	149	657	508	91.3	77.3	70.6	5.7	95.5	4392	586	1322	3806	2484	86.7	65.3	56.6	5.9	90.2			
D-15	19415	20905	KOMATSU	9.5 CuM	31-Aug-15	720	697	12	23	11	3.2	47.8	1.5		145.5	4392	1898	1004	2494	1490	56.8	59.7	33.9	4.1	78.8			
						TOTAL	2160	1098	377	1062	685	49.2	64.5	31.7	5.1	86.3	13176	5116	3341	8060	4719	61.2	58.5	35.8	5.0	81.5		
DUMPER,50 TE[3]																												
R/D-85	18557	18561	BEML-BH-50M	50 Te	Mar- 08	720	720							-	-	4392	4373	15	19	4	0.4	21.1	0.1			50.0		
R/D-86	20058	20060	BEML-BH-50M	50Te	Sep-08	720	720							-	-	4392	4373	17	19	2	0.4	10.5	0.0			166.5		
R/D-87	17443	17443	BEML-BH-50M	50Te	Dec-08	720	720							-	-	4392	4392										88.8	
						TOTAL	2160	2160								13176	13138	32	38	6	0.3	15.8	0.0					
DUMPER,100 TE[6]																												
R/D-88	23684	23694	KOMAT.HD785-7	100 T	10-Sep-10	720	701	9	19	10	2.6	52.6	1.4	0.8	84.6	4392	4373	9	19	10	0.4	52.6	0.2	0.8		84.6		
R/D-89	28005	30393	KOMAT.HD785-7	100 T	10-Sep-10	720	299	71	421	350	58.5	83.1	48.6	1.3	54.3	4392	1551	453	2841	2388	64.7	84.1	54.4	2.4		54.3		
R/D-90	18166	20497	CAT 777D	100 T	25-Jan-12	720	111	165	609	444	84.6	72.9	61.7	1.9	49.8	4392	1483	578	2909	2331	66.2	80.1	53.1	2.4		51.0		
R/D-91	15754	16783	CAT 777D	100 T	25-Jan-12	720	337	131	383	252	53.2	65.8	35.0	1.5	56.6	4392	3057	306	1335	1029	30.4	77.1	23.4	1.9		57.7		
R/D-92	11283	12641	BEML- BH 100	100 T	27-May-15	720	442	101	278	177	38.6	63.7	24.6	6.1	63.0	4392	2474	560	1918	1358	43.7	70.8	30.9	3.3		59.6		
R/D-93	10157	12298	BEML - BH 100	100 T	10-Jun-15	720	288	95	432	337	60.0	78.0	46.8	2.3	59.8	4392	1519	732	2873	2141	65.4	74.5	48.7	2.7		57.9		
						TOTAL	4320	2178	572	2142	1570	49.6	73.3	36.3	2.2	55.8	26352	14457	2638	11895	9257	45.1	77.8	35.1	2.6		55.5	
DRILL[4]																												
DM-10	16316	17142	IR-ROTACOL-IDM-30	160mm	Feb- 04	480	58	225	422	197	87.9	46.7	41.0	17.6	42.5	2928	1455	647	1473	826	50.3	56.1	28.2	18.7		38.3		
DM-12A	8475	8497	AC-ROTACOL-IDM-30	160mm	Sep-08	480	480							-	-	2928	2887	19	41	22	1.4	53.7	0.8	8.3		76.1		
DM-14	14244	14805	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	480	106	278	374	96	77.9	25.7	20.0	20.9	46.4	2928	1522	845	1406	561	48.0	39.9	19.2	17.0		42.4		
DM-15	6836	7313	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	480	480							-	-	2928	2024	427	904	477	30.9	52.8	16.3	17.9		38.6		
						TOTAL	1920	1124	503	796	293	41.5	36.8	15.3	18.7	46.8	11712	7888	1938	3824	1886	32.7	49.3	16.1	17.9		40.0	
DOZER[6]																												
DOZ-21	17420	17420	BEML D-355	410 HP	May- 03	480	480							-	-	3168	3168											
DOZ-22	16129	18190	BEML D-355	410 HP	Feb-04	480	143	8	337	329	70.2	97.6	68.5		25.4	3168	840	267	2328	2061	73.5	88.5	65.1			30.6		
DOZ-23	15463	16387	BEML D-355	410 HP	May-08	480	480							-	-	3168	1663	581	1505	924	47.5	61.4	29.2			28.1		
DOZ-24	13701	14251	BEML D-355	410 HP	Sep-08	480	246	21	234	213	48.8	91.0	44.4		31.0	3318	2146	622	1172	550	35.3	46.9	16.6			31.9		
DOZ-25	8831	9594	BEML D-355	410 HP	25-Apr-14	480	168	179	312	133	65.0	42.6	27.7		34.6	2928	940	1225	1988	763	67.9	38.4	26.1			31.2		
DOZ-26	8631	9749	BEML D-355	410 HP	08-Sept-17	480	127	180	353	173	73.5	49.0	36.0		41.0	2928	740	1070	2188	1118	74.7	51.1	38.2			34.6		
						TOTAL	2880	1644	388	1236	848	42.9	68.6	29.4		31.4	18678	9497	3765	9181	5416	49.2	59.0	29.0			31.2	
PAY LOADER[2]																												
PL-7	12758	12770	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	720	720							-	-	4392	4335	45	57	12	1.3	21.1	0.3			16.7		
PL-8	4769	4769	Hyundai-HI770-7A	280 HP	01-Jun-10	720	720							-	-	4392	4392										16.7	
						TOTAL	1440	1440								8784	8727	45	57	12	0.6	21.1	0.1					
Back Hoe [2]																												
BACK HOE-02	7965	8098	BEMLBE-300LC	1.2 CU.M	May-09	720	103	484	617	133	85.7	21.6	18.5		12.3	4392	3775	484	617	133	14.0	21.6	3.0			12.3		
BACK HOE-03	4384	5768	BEMLBE-300LC	1.25 CU.M	25-Sep-13	720	368	42	352	310	48.9	88.1	43.1		16.2	4392	2727	282	1665	1384	37.9	83.1	31.5			14.5		
						TOTAL	1440	471	526	969	443	67.3	45.7	30.8		15.0	8784	6502	766	2282	1517	26.0	66.5	17.3			14.3	
Water Sprinkler [2]																												
WT-5	15126	15639	WS-28	28 KL	May-05	480		480	480		100.0			-	-	3176	961	1702	2215	513	69.7	23.2	16.2			14.9		
WT-6	5923	6063	BEML, WS 28-2	28 KL	Jan-09	480	20	446	460	14	95.8	3.0	2.9		19.2	3176	1417	1619	1759	140	55.4	8.0	4.4			14.9		
						TOTAL	960	20	926	940	14	97.9	1.5	1.5		19.2	6352	2378	3321	3974	653	62.6	16.4	10.3			14.9	
Motor Grader [2]																												
MG-6	4050	4054	BG 605	280HP	May-08	480	480							-	-	2928	2880	44	48	4	1.6	8.3	0.1			108.0		
MG-7	700	1395	BG 825		10-May-14	480	447	19	33	14	6.9	42.4	2.9		19.2	2928	826	1407	2102	695	71.8	33.1	23.7			14.6		
						TOTAL	960	927	19	33	14	3.4	42.4	1.5		19.2	5856	3706	1451	2150	699	36.7	32.5	11.9			15.1	
PLANT						1000 TPH	MAY'58	720	30	122	690	568	95.8	82.3	78.9	505		4392	275	524	4117	3593	93.7	87.3	81.8	501		

EQUIPMENT AVAILABILITY & UTILISATION

Sep-19

		KIRIBURU								MEGHAHATUBURU								BOLANI								GUA				UNIT IN %			
		NORM		MTH		2019-20				MTH		2019-20				MTH		2019-20				MTH		2019-20				MTH		CUM			
EQPMT TYPE		AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	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	52	36	50	34	71	73	70	65	81	31	75	34	67	11	60	18	41	37	33	49										
SHOVEL	HYD(D) ≤4.5 m ³	70	75					17	10	4	9	58	9	58	10	64	18	64	26														
	HYD(D) >4.5 m ³	85	80	93	51	95	52	81	53	77	55	89	31	74	42	43	46	32	36	49	65	61	59										
DUMPER	85/ 60 tn	65	75			26	24											74	68	82	67												
	50 tn	70	80															8	14	21	13	33	13	64	23	60	18			0	16		
	100 tn	85	80	77	40	73	40	70	48	65	50	50	37	52	45	47	13	57	9	50	73	45	78										
DOZER		70	70	57	30	52	35	52	27	58	26	51	27	59	27	65	17	52	20	43	69	49	59										
CRUSHING PLANT		85	85					87	77	92	71	76	53	90	53																		
SCREENING PLANT		85	85					76	77	85	67	68	72	88	73																		
OHP		85	85	87	64	84	74	84	76	91	70							97	36	94	44	96	82	94	87								

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	829917	166668	996585	177929	13578482	35700	1777110	171210	755190	49192	0.06	0.39	5.02	13.80
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	349740	10080	102600	0	0.06	0.41	4.91	18.01
Aug-19	156428	13830	170258	24642	2099264	6300	297990	22500	90360	0	0.06	0.43	5.11	15.99
Sep-19	119882	25150	145032	29835	2570178	5460	274230	23580	72360	0	0.08	0.41	6.94	15.49

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	1301031	95270	1396301	291733	8647560	65249	1967980	23000	1540100	40426	0.08	0.40	2.45	18.52
Apr-19	241434	14290	255724	49387	1198200	8918	330210	0	250800	0	0.09	0.44	2.06	15.35
May-19	240387	6290	246677	49607	1276800	10061	348300	0	251780	0	0.08	0.41	2.13	16.77
Jun-19	205620	19380	225000	45980	1186800	9912	335430	0	275670	0	0.08	0.37	1.94	16.22
Jul-19	192490	26410	218900	40903	1481280	11662	317610	0	271350	7521	0.07	0.37	2.52	19.74
Aug-19	220320	8680	229000	52975	1757760	10822	343100	7000	216090	12725	0.09	0.41	3.10	19.18
Sep-19	200780	20220	221000	52881	1746720	13874	293330	16000	274410	20180	0.09	0.38	2.99	24.05

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	1239206	489283	10207200	72018	2238540	783368	697320	279008	0.12	0.39	2.74	22.50
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
Aug-19	217404	72429.95	1774800	13290	407600	85451	88900	17081	0.12	0.42	3.05	25.45
Sep-19	163364	61915	1483200	11494	178000	99302	281000	28279	0.11	0.33	2.66	23.41

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	1381933	23335	1405268	208548	9305309	53690	1799640	0	279540	68000	0.10	0.67	4.48	25.61
Apr-19	235465	5600	241065	41226	1523870	9646	290790	0	44190	0	0.12	0.72	4.55	28.80
May-19	223658	2000	225658	38149	1545863	10514	292950	0	80640	0	0.10	0.60	4.14	28.14
Jun-19	241210	6825	248035	27832	1419973	3584	312750	0	42840	0	0.08	0.70	3.99	10.08
Jul-19	219087	3310	222397	40974	1673210	10990	293490	0	25650	0	0.13	0.70	5.24	34.44
Aug-19	232010	1400	233410	30070	1565881	10542	322830	0	55800	0	0.08	0.62	4.14	27.84
Sep-19	230503	4200	234703	30297	1576512	8414	286830	0	30420	68000	0.08	0.70	4.97	25.17

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
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT	CONT	DEPTT	CONT	DEPT	CONT	0.08	0.46	4.90	25.00
NORM	MINES	DGSET	TOTAL													
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	641282	87530	728812	116621	6671112	21840	754435	345066	286475	0	0	149351	0.08	0.70	6.41	20.98
Apr-19	29027	3270	32297	8650	945837	1050	2412	45616	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
Aug-19	120817	23835	144652	18508	1215477	4830	135788	41820	51565	0	0	21348	0.07	0.77	6.49	25.78
Sep-19	119179	44230	163409	16375	1097237	2100	116906	85008	48235	0	0	42404	0.06	0.99	6.64	12.72

	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	30286	52550	455580	510	603300	0.09	39434	30425	823252	278	352282	0.09	51075	494417	0.10	64276	1058356	0.06			
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			
Aug-19	3553	0	89780	0	27700	0.00	7094	2400	138148	61	65108	0.04	6850	63168	0.11	4515	102532	0.04			
Sep-19	3035	6700	89500	0	26700	0.25	4128	4800	150540	26	46629	0.10	12025	127412	0.09		127581	0.00			

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

Status as on SEPT' 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.				
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.				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. 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. Around 512 ha fresh degraded forest land was identified in Khunti (451 ha) & Gumla (61 ha) Forest Divisions during 02.08.2019 to 15.08.2019. Complete report submitted to DFO, Saranda on 21.08.2019 for further processing of the proposal. Further, DFO, Saranda asked more information on 29.08.2019 which was submitted on 13.09.2019. Verification of lease boundary as well as diversion area is under progress by State Forest Department.				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. Submitted the CTO renewal application on 22.08.2019 in online portal for next period of 5 years beyond 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. SAIL had submitted a representation to Govt of Odisha on 03.07.2019 and requested to allow SAIL to retain the 90.06 ha in Horomotto Lease area over which various infrastructure facilities have been developed since 1970 and grant Surface Lease for the said area in the larger public interest. Under consideration with Govt. of Odisha.		No EC		

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

Status as on SEPT' 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. The information forwarded to MoEFCC, NEw Delhi on 07.08.2019 for 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										Status as on SEPT' 2019	
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)				ENVIRONMENT CLEARANCE (EC)		
					ON	UPTO	(in ha)	APPL.DATE			
GUA											
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 submission 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, GoJ 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. After approval of CA scheme by concerned DFOs, forwarded to DFO, Saranda for necessary demand. Thereafter, demand has been raised by DFO, Saranda on 17.08.2019 but not done due to uncertainty in online system of forest department. After processing the proposal at CF & RCCF Office, the complete information was forwarded to PCCF (Nodal), GoJ on 22.08.2019 and further to Addl. Chief Secretary (Dept. of F, E & CC), GoJ on 25.08.2019. Proposal for grant of Stage-II FC has been forwarded to MOEFCC, New Delhi on 01.10.2019.	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 indentification is under progress.	ToR for conducting 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 13.11.17 sought 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), MoEFCC, 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. The point-wise information was submitted to DFO,Saranda vide letter dated 02.04.2019. After examination of information, DFO,Saranda vide letter dated 27.04.2019 has sought certain clarifications from SAIL which were replied on 22.05.2019.	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-II FC (final approval) has been accorded by Ministry on 04.10.2019.	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										
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		Status as on SEPT' 2019			
					ON	UPTO (in ha)	APPL.DATE	ENVIRONMENT CLEARANCE (EC)		
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.	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.		
Ajitarburu	07.12.47	06.12.77	323.887	04.12.06 (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.	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 10.06.2013 for production capacity to 0.75 MTPA.	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 JSPCB 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 JSPCB on 08.12.16 for period upto 30.06.2021.	No EC	
Sukri - Latur	22.03.49	21.03.79	609.554	11.03.08 (2nd RML)	Virgin & Non-working lease.No FC	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	No EC	
Dhobil	08.03.48	07.03.38	513.036	06.03.97 (2nd RML)	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	No EC	
Tatiburu	01.09.49	31.08.79	38.85	24.08.08 (2nd RML)	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	No EC	
Ankua	14.06.82	31.03.20	67.178	18.06.11 (2nd RML)	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	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.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this lease.	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.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this lease.		
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.	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 is under process.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR. Job is under process for submission to OSPCB for conducting Public Hearing.	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 is under process.		
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	Preparation of Diversion Proposal is under progress	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 SEPT' 2019
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	(in ha)	APPL.DATE		
BHAWANATHPUR						
GORGAON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgaon, 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 Gorgaon 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. The completion of approved job related to closure plan is under process.	
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	Writ petitions were heard at different dates by the Hon'ble High Court of Orissa which was finally heard on 06.08.2019. The Hon'ble High Court has disposed of the two writ petitions filed by SAIL and asked to makes a representation to State Govt. for redressal of its grievances.	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 for 0.06 MTPA production granted on 10.04.2016. CTO renewed by MPPCB on 02.09.2019 with validity up to 31.07.2021.
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. MoEF&CC 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 01.10.2019

	Executives	Non-Executives	Total
A. Ore Mines			
Kiriburu	83	552	635
Meghatuburu	67	515	582
Bolani	86	473	559
Barsua	64	284	348
Kalta	15	61	76
Gua	58	492	550
Chiria	15	55	70
A. Total	388	2432	2820
B. Flux Mines			
Purnapani	0	6	6
Kuteshwar	26	79	105
BNP & TDMR	10	59	69
B. Total	36	144	180
C. Offices			
Kolkata	67	29	96
Rourkela	11	16	27
Bokaro	1	3	4
Durgapur	0	4	4
Delhi	4	2	6
Bhubaneswar	1	2	3
Ranchi	1	2	3
Burnpur	0	1	1
MT	25		25
C. Total	110	59	169
Grand Total (A+B+C)	534	2635	3169
Manpower as on 01.09.2019	535	2648	3183
Reduction(-)/Increase(+) 	-1	-13	-14

ACCIDENT STATISTICS OF RMD MINES

	FATAL						SERIOUS						REPORTABLE						MANDAYS LOST						
	Sep-19			FY 2019-20			Sep-19			FY 2019-20			Sep-19			FY 2019-20			Sep-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																								12	12
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

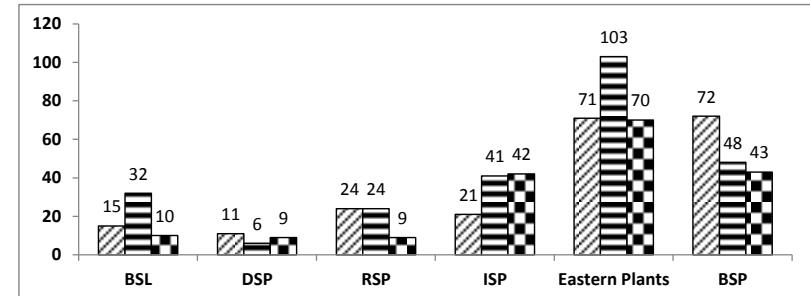
IRON ORE STOCK INVENTORY BEHAVIOUR

September 2019

IRON ORE LUMP

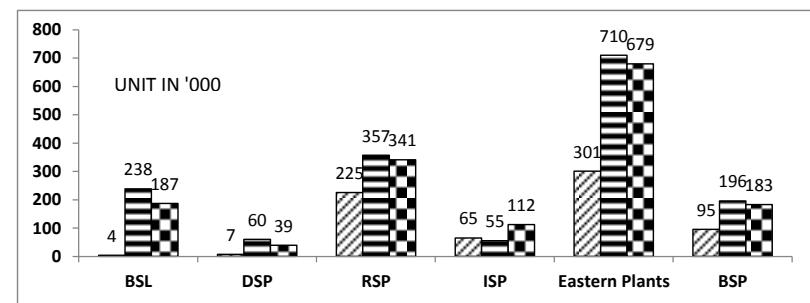
UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.09.2019	MTH	CUM	MTH	CUM	01.10.2019	MTH	YR
BSL	15	32	165	1314	187	1278	10	-22	-5
DSP	11	6	105	704	103	706	9	3	-2
RSP	24	24	146	1156	131	911	9	-15	-15
ISP	21	41	71	516	76	476	42	1	21
Eastern Plants	71	103	487	3690	497	3371	70	-33	-1
BSP	72	48			244	1581	43	-5	-29
TOT	143	151	487	3690	741	4952	113	-38	-30



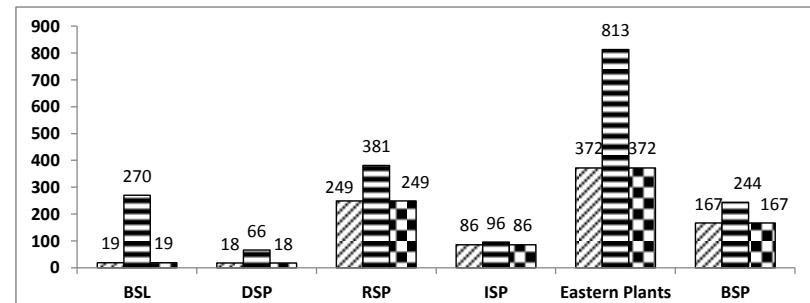
IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.09.2019	MTH	CUM	MTH	CUM	01.10.2019	MTH	YR
BSL	4	238	289	2170	355	2093	187	-51	183
DSP	7	60	173	1307	194	1275	39	-21	32
RSP	225	357	269	1902	317	1984	341	-16	116
ISP	65	55	256	1477	232	1636	112	57	47
Eastern Plants	301	710	986	6856	1098	6988	679	-31	378
BSP	95	196	53	381	345	2217	183	-13	88
TOT	396	906	1039	7237	1443	9205	862	-44	466



IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.09.2019	MTH	CUM	MTH	CUM	01.10.2019	MTH	YR
BSL	19	270	453	3485	542	3371	197	-73	178
DSP	18	66	278	2010	297	1981	48	-18	30
RSP	249	381	414	3058	448	2895	350	-31	101
ISP	86	96	327	1992	308	2112	154	58	68
Eastern Plants	372	813	1473	10545	1595	10359	749	-64	377
BSP	167	244	53	381	589	3798	226	-18	59
TOT	539	1057	1526	10926	2184	14157	975	-82	436



* BSP RECEIPT FROM RMD MINES

PRODUCTION PERFORMANCE

September 2019

हॉट मेटल

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Sep 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	360	308	85	341	-10	2292	2076	91	2060	1
दूर्गापूर	220	167	76	188	-11	1282	1178	92	1236	-5
राऊरकेला	321	265	83	283	-6	2029	1765	87	1870	-6
बर्नपूर	230	166	72	26	542	1345	1149	85	896	28
पूर्वी इस्पात संयंत्र	1131	906	80	837	8	6948	6168	89	6062	2
भिलाई	542	352	65	391	-10	3045	2356	77	2181	8
TOTAL	1673	1258	75	1228	2	9993	8524	85	8243	3

सिन्तर

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Sep 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	542	508	94	487	4	2776	2913	105	2945	-1
दूर्गापूर	282	216	77	273	-21	1668	1588	95	1671	-5
राऊरकेला	523	486	93	463	5	3291	2932	89	3097	-5
बर्नपूर	333	248	75	59	322	1945	1754	90	1372	28
पूर्वी इस्पात संयंत्र	1680	1458	87	1282	14	9680	9188	95	9085	1
भिलाई	800	533	67	547	-3	4445	3537	80	3239	9
TOTAL	2480	1992	80	1829	9	14125	12725	90	12324	3

IRON ORE RECEIPTS

FIGS IN '000 T

FOR THE MONTH OF

September 2019

Lump Receipt									
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	7	34	30	46	44	0	0	4	165
DSP	0	0	86	0	0	0	19	0	105
RSP	70	52	0	0	0	7	0	16	146
ISP	0	0	26	0	0	0	45	0	71
BSP	0	0	0	0	0	0	0	0	0
TOT	78	86	142	46	44	7	64	20	487

TILL THE MONTH OF

September 2019

Lump Receipt									
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	80	269	373	315	131	4	26	118	1314
DSP	0	3	518	0	0	0	183	0	704
RSP	481	265	0	0	20	346	0	44	1156
ISP	0	0	237	0	0	0	275	3	516
BSP	0	0	0	0	0	0	0	0	0
TOT	560	537	1128	315	151	350	483	166	3690

Fines Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	106	55	31	60	29	0	0	8	289
DSP	0	0	143	0	0	0	30	0	173
RSP	112	97	0	0	20	0	11	28	269
ISP	0	40	93	0	0	0	123	0	256
BSP	4	0	0	0	0	0	50	0	53
TOT	221	193	267	60	49	0	213	36	1039

Fines Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	675	528	287	443	65	37	73	62	2170
DSP	0	86	882	0	0	0	339	0	1307
RSP	685	756	0	0	112	251	11	88	1902
ISP	0	187	630	0	0	0	657	3	1477
BSP	184	0	0	0	0	0	194	3	381
TOT	1544	1557	1799	443	177	288	1273	156	7237

Total Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	113	89	61	106	73	0	0	12	453
DSP	0	0	229	0	0	0	49	0	278
RSP	182	149	0	0	20	7	11	45	414
ISP	0	40	119	0	0	0	167	0	327
BSP	4	0	0	0	0	0	50	0	53
TOT	299	279	409	106	93	7	277	57	1526

Total Receipt

	KBR	MBR	BOL	BAR	TAL	KAL	GUA	MPR	TOT
BSL	755	797	660	758	196	41	98	180	3485
DSP	0	90	1400	0	0	0	521	0	2010
RSP	1165	1021	0	0	132	597	11	132	3058
ISP	0	187	868	0	0	0	932	7	1992
BSP	184	0	0	0	0	0	194	3	381
TOT	2104	2094	2927	758	328	637	1756	322	10926

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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
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-15%)

	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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
KRBU(N/B) (FOS)	371	804.92	409	902.85	90	245.73	377	853.58	539	1148.57
KRBU(O/B) (SOBK)	371	804.92	409	902.85	90	245.73	377	853.58	539	1148.57
MBR (SSMK)	371	804.92	409	902.85	90	245.73	377	853.58	539	1148.57
BOLANI (BYFS)	272	614.26	318	709.04	223	564.87	286	663.04	673	1440.91
BARSUA (PBSB)	342	756.98	390	853.58	69	245.73	356	804.92	519	1148.57
ROXY (HLSR)	332	756.98	379	853.58	59	245.73	346	756.98	509	1148.57
GUA (ISCG)	265	614.26	311	709.04	216	515.36	279	663.04	665	1440.91
MANOHARPUR (IISM)	241	564.63	287	663.04	33	245.73	255	614.26	483	1049.56
DALLIRAJHARA (DRZ)	827	1730.35	871	1825.86	533	1148.57	832	1730.35	83	245.73

	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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
BHAWANATHPUR (PSBS)	369	707.35	491	922.29	559	1095.56	459	878.34	909	1688.33
KHANABANJARI (BLSG)	712	1352.04	834	1520.60	675	1266.31	802	1520.60	496	922.29