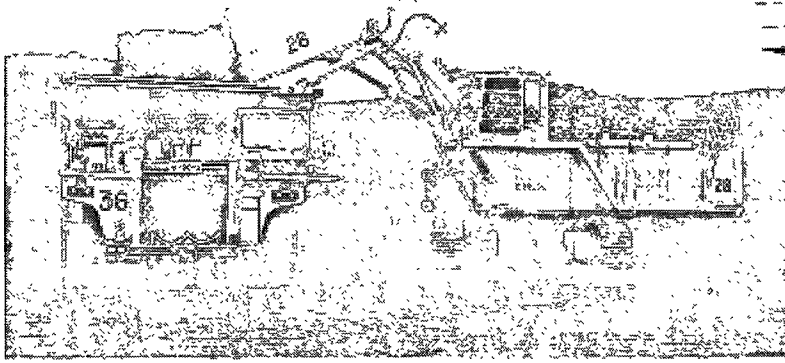


आर.एम.डी. इन्फॉर्मेटिक्स



NOVEMBER'2017



द्वारा प्रकाशित:
पीपीसी विभाग
राँ मेटेरियल्स डिवीजन
भारतीय इस्पात प्राधिकरण

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Excerpt

For the month of November'2017

➤ **Production :**

- ❖ 86% APP fulfillment in Total Production by RMD Mines.82%,98%,86% & 92% APP fulfillment in production by Kiriburu, Meghahatuburu, Bolani & Gua Mines respectively.
- ❖ 89% & 84% APP fulfillment in Lump & Fines Production Respectively by RMD Mines.
- ❖ 62% APP fulfillment in Flux production. 52% & 147% APP fulfillment in production by Kuteshwar & Tulsidamer Flux Mines.

➤ **Despatch :**

- ❖ 88% APP fulfillment in despatch of iron ore and 48% APP fulfillment in Flux despatch by RMD Mines.
- ❖ 90% & 87% APP fulfillment in Lump & Fines Despatch Respectively by RMD Mines.
- ❖ 47% & 60% APP fulfillment in Flux despatch by Kuteshwar Limestone & Tulsidamar Dolomite mines respectively.

466 Rakes Despatched in November'2017

Details of Rake Despatched

MINES	COMM	November'17	TILL2017-18
KBR	L	28	221
	F	70	504
MBR	L	26	198
	F	62	430
BOL	L	44	361
	F	46	602
TAL	L	11	81
	F	0	0
KAL	L	20	115
	F	24	131
GUA	L	15	147
	F	77	514
MPR	L	4	36
	F	9	28
RMD	L	148	1159
	F	318	2209
TOTAL		466	3368

PLANT	COMM	November'17	TILL 2017-18
BSL	L	58	381
	F	86	651
DSP	L	24	221
	F	68	463
RSP	L	44	388
	F	103	594
ISP	L	22	169
	F	55	453
BSP	L	0	0
	F	6	48
TOTAL	L	148	1159
	F	318	2209
	TOTAL	466	3368

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

NOVEMBER 2017

UNIT 000 TONNES

PRODUCTION													
MINE & RATED CAP		PLAN	FOR MONTH				GRTH %	TILL THE MONTH				GRTH %	CAP
		2017-18	TGT	ACT	%FF	LAST YR NOV 2016	OVER LSTYR NOV 2016	TGT	ACT	%FF	LAST YR	OVER LSTYR	UTLN %
KIRIBURU 5500	L	1300	110	91	83	120	-24.2	855	842	98	970	-13.2	76
	F	3000	260	211	81	219	-3.7	1930	1931	100	1831	5.5	
	T	4300	370	302	82	339	-10.9	2785	2773	100	2801	-1.0	
MEGHAHA TUBURU 5000	L	1150	110	110	100	111	-0.9	800	756	95	739	2.3	70
	F	2750	290	281	97	264	6.4	1860	1563	84	1744	-10.4	
	T	3900	400	391	98	375	4.3	2660	2319	87	2483	-6.6	
BOLANI 6500	L	2200	185	177	96	173	2.3	1425	1348	95	1432	-5.9	77
	F	3900	330	264	80	279	-5.4	2570	1976	77	2291	-13.7	
	T	6100	515	441	86	452	-2.4	3995	3324	83	3723	-10.7	
BARSUA 3000	L	100											
	F	400											
	T	500											
TALDIH 1000	L	500	45	36	80	17	111.8	325	257	79	17	1411.8	39
	F	450	45					265					
	T	950	90	36	40	17	111.8	590	257	44	17	1411.8	
KALTA 2500	L	800	70	67	96	57	17.5	525	434	83	375	15.7	55
	F	1100	120	76	63	64	18.8	630	479	76	174	175.3	
	T	1900	190	143	75	121	18.2	1155	913	79	549	66.3	
GUA 4000	L	1000	85	67	79	81	-17.3	660	604	92	676	-10.7	98
	F	3200	290	279	96	249	12.0	2140	2000	93	2001	0.0	
	T	4200	375	346	92	330	4.8	2800	2604	93	2677	-2.7	
MANOHAR - PUR 1500	L	350	25	12	48	27	-55.6	235	120	51	210	-42.9	12
	F	300	20	30	150	24	25.0	190	101	53	145	-30.3	
	T	650	45	42	93	51	-17.6	425	221	52	355	-37.7	
TOTAL 29000	L	7400	630	560	89	586	-4.4	4825	4361	90	4419	-1.3	64
	F	15100	1355	1141	84	1099	3.8	9585	8050	84	8186	-1.7	
	T	22500	1985	1701	86	1685	0.9	14410	12411	86	12605	-1.5	

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

NOVEMBER 2017

UNIT 000 TONNES

DESPATCHES															
MINE		PLAN	FOR THE MONTH				GRTH %	TILL THE MONTH				GRTH %	STOCKS AT MINES		
		2017-18	TGT	ACT	%FF	LAST YR NOV 2016	OVER LSTYR NOV 2016	TGT	ACT	%FF	LAST YR	OVER LSTYR	AS ON		
													YEAR BEGN.	MTH BEGN.	MTH END
KIRIBURU	L	1300	110	103	94	113	-8.8	855	826	97	953	-13.3	5	36	26
	F	3000	220	253	115	211	19.9	1960	1862	95	1764	5.6	1002	1111	1071
	T	4300	330	356	108	324	9.9	2815	2688	95	2717	-1.1	1007	1147	1097
MEGHAHA TUBURU	L	1200	100	97	97	109	-11.0	810	741	91	675	9.8	136	128	141
	F	2750	240	226	94	211	7.1	1890	1611	85	1658	-2.8	539	413	469
	T	3950	340	323	95	320	0.9	2700	2352	87	2333	0.8	675	541	610
BOLANI	L	2200	185	172	93	150	14.7	1450	1309	90	1406	-6.9	104	131	136
	F	3900	310	240	77	298	-19.5	2630	2048	78	2215	-7.5	1738	1642	1656
	T	6100	495	412	83	448	-8.0	4080	3357	82	3621	-7.3	1842	1773	1792
BARSUA	L	100											15	15	15
	F	400											194	194	194
	T	500											209	209	209
TALDIH	L	500	45	39	87	7	457.1	325	267	82	7	3714.3	5	1	1
	F	450	45					265					4	4	4
	T	950	90	39	43	7	457.1	590	267	45	7	3714.3	9	5	5
KALTA	L	800	70	78	111	56	39.3	525	426	81	385	10.6	10	31	20
	F	1100	120	84	70	61	37.7	630	469	74	177	165.0	16	32	23
	T	1900	190	162	85	117	38.5	1155	895	77	562	59.3	26	63	43
GUA	L	1000	85	53	62	82	-35.4	660	520	79	661	-21.3	27	31	34
	F	3200	300	257	86	254	1.2	2150	1774	83	1979	-10.4	182	168	183
	T	4200	385	310	81	336	-7.7	2810	2294	82	2640	-13.1	209	199	217
MANOHAR - PUR	L	350	25	14	56	29	-51.7	235	120	51	224	-46.4			
	F	300	20	32	160	29	10.3	190	94	49	148	-36.5	3	8	7
	T	650	45	46	102	58	-20.7	425	214	50	372	-42.5	3	8	7
TOTAL	L	7450	620	556	90	546	1.8	4860	4209	87	4311	-2.4	302	373	373
	F	15100	1255	1092	87	1064	2.6	9715	7858	81	7941	-1.0	3678	3572	3607
	T	22550	1875	1648	88	1610	2.4	14575	12067	83	12252	-1.5	3980	3945	3980

IRON ORE MINES PERFORMANCE (ROM & DEVELOPMENT)

NOVEMBER 2017

UNIT 000 TE

DEVELOPMENT								
	FOR MONTH			TILL MONTH			LAST	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF	YR	LSTYR
KIRIBURU	335	276	82	2230	1432	64	1569	-8.7
MEGHAHATUBURU	400	336	84	2680	2672	100	1978	35.1
BOLANI	530	342	65	3520	2091	59	1433	45.9
BARSUA	100	24	24	290	44	15	1500	-97.1
TALDIH	95	14	15	635	167	26	185	-9.7
KALTA	0	20		0	20		0	
GUA	280	168	60	1645	1022	62	1070	-4.5
MANOHARPUR	6	0	0	6	0	0	3	-100.0
TOTAL	1746	1180	68	11006	7448	68	7738	-3.7

ROM								
KIRIBURU	370	312	84	2885	2834	98	2799	1.3
MEGHAHATUBURU	420	399	95	2965	2572	87	2571	0.0
BOLANI	540	444	82	4135	3380	82	3830	-11.7
BARSUA	0	0		0	0		0	
TALDIH	90	36	40	590	302	51	32	843.8
KALTA	0	149		965	921	95	761	21.0
GUA	375	346	92	2800	2604	93	2679	-2.8
MANOHARPUR	45	42	93	425	220	52	354	-37.9
TOTAL	1840	1728	94	14765	12833	87	13026	-1.5

TOTAL EXCAVATION								
KIRIBURU	705	588	83	5115	4266	83	4368	-2.3
MEGHAHATUBURU	820	735	90	5645	5244	93	4549	15.3
BOLANI	1070	786	73	7655	5471	71	5263	4.0
BARSUA	100	24	24	290	44	15	1500	-97.1
TALDIH	185	50	27	1225	469	38	217	116.1
KALTA	0	169		965	941	98	761	23.7
GUA	655	514	78	4445	3626	82	3749	-3.3
MANOHARPUR	51	42	82	431	220	51	357	-38.4
TOTAL	3586	2908	81	25771	20281	79	20764	-2.3

Unit In Te	PREVIOUS YEAR EXCAVATION PERFORMANCE 2016-17																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kaita			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-16	512730	313560	199170	456640	336240	120400	606015	520233	85782	251280	0	251280	0			97350	97350	0	409550	305735	103815	41761	38308	3453	2375326	1611426	763900
May-16	565110	368640	196470	524630	380430	144200	626036	497283	128753	229500	0	229500	0			83660	83660	0	451380	331500	119880	39116	39116	0	2519432	1700629	818803
Jun-16	642240	386280	255960	622860	360810	262050	692754	524279	168475	155115	0	155115	0			64920	64920	0	493130	342200	150930	48515	48515	0	2719534	1727004	992530
Jul-16	493650	358380	135270	606825	108675	498150	605399	444024	161375	186030		186030	21555		21555	22770	22770	0	483790	365800	117990	43348	43348	0	2463367	1342997	1120370
Aug-16	500580	319140	181440	507450	205650	301800	641032	421924	219108	180045	0	180045	31950		31950	108700	108700	0	464214	344800	119414	53533	53533	0	2487504	1453747	1033757
Sep-16	499950	344520	155430	540950	308150	232800	643454	432686	210768	209295	0	209295	51165		51165	128900	128900	0	430960	312700	118260	33977	33977	0	2538651	1560933	977718
Oct-16	578880	368820	210060	722600	518800	203800	679353	505751	173602	169515	0	169515	58880	11900	46980	115750	115750	0	507730	344200	163530	46603	46603	0	2879311	1911824	967487
Nov-16	575460	338940	236520	568040	352440	215600	769480	484190	285290	118755	0	118755	53180	19700	33480	137950	137950	0	507110	330800	176310	50896	50896	0	2780871	1714916	1065955
Total	4368600	2798280	1570320	4549995	2571195	1978800	5263523	3830370	1433153	1499535	0	1499535	216730	31600	185130	760000	760000	0	3747864	2677735	1070129	357749	354296	3453	20763996	13023476	7740520

THIS YEAR EXCAVATION PERFORMANCE 2017-18																											
Unit In Te	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kaita			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-17	566550	319590	246960	573770	133020	440750	581486	408757	172729	0			49000	24700	24300	125300	125300	0	436700	320600	116100	48679	48679	0	2381485	1380646	1000839
May-17	488520	318330	170190	547990	260190	287800	594504	458911	135593	4365	0	4365	74495	36650	37845	123600	123600	0	430265	315200	115065	49712	49712	0	2313451	1562593	750858
Jun-17	504310	370440	133870	644460	336060	308400	710439	397643	312796	945	0	945	88977	46902	42075	87500	87500	0	427628	333000	94628	31287	31287	0	2495546	1602832	892714
Jul-17	395010	344160	50850	630510	323010	307500	779891	354928	424963	0	0	0	71623	49888	21735	74600	74600	0	410365	323000	87365		0	0	2361999	1469586	892413
Aug-17	487860	403920	83940	747990	315990	432000	560903	430152	130751	1620	0	1620	33313	29533	3780	96353	96353	0	452670	315600	137070		0	0	2380709	1591548	789161
Sep-17	557660	364050	193610	645350	409950	235400	675522	432019	243503	0	0	0	52427	40592	11835	100760	100760	0	445325	295700	149625	4589	4589	0	2481633	1647660	833973
Oct-17	677616	401670	275946	719770	395370	324400	779895	453030	326865	13140	0	13140	47915	36485	11430	163300	163300	0	508510	354100	154410	42905	42905	0	2953051	1846860	1106191
Nov-17	587790	311670	276120	734660	399060	335600	785467	443610	341857	23895	0	23895	49704	36114	13590	169150	149600	19550	514255	346000	168255	42202	42202	0	2907123	1728256	1178867
Total	4265316	2833830	1431486	5244500	2572650	2671850	5468107	3379050	2089057	43965	0	43965	467454	300864	166590	940563	921013	19550	3625718	2603200	1022518	219374	219374	0	20274997	12829981	7445016
Change Over Last Year																											
DIFF	-103284	35550	-138834	694505	1455	693050	204584	-451320	655904	-1455570	0	-1455570	250724	269264	-18540	180563	161013	19550	-122146	-74535	-47611	-138375	-134922	-3453	-488999	-193495	-295504
%Chg	-2.4	1.3	-8.8	15.3	0.1	35.0	3.9	-11.8	45.8	-97.1	#DIV/0!	-97.1	115.7	852.1	-10.0	23.8	21.2	#DIV/0!	-3.3	-2.8	-4.4	-38.7	-38.1	-100.0	-2.4	-1.5	-3.8

Unit in Te	PREVIOUS YEAR PRODUCTION PERFORMANCE 2016-17																							
	Kiriburu			Meghahatuburu			Bolani			Taldih			Kafta			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
Apr-16	85790	227770	313560	105254	235429	340683	186354	306719	493073				63081	5411	68492	77184	228551	305735	25583	12724	38307	543246	1016604	1559850
May-16	113386	255254	368640	110054	260094	370148	182779	327944	510723				63887	11362	75249	100764	230736	331500	28417	10698	39115	599287	1096088	1695375
Jun-16	119544	266736	386280	119903	245764	365667	189469	326780	516249				73961	7588	81549	100032	242168	342200	24130	24385	48515	627039	1113421	1740460
Jul-16	111626	246754	358380	63124	118841	181965	176630	255034	431664				1446		1446	91702	274098	365800	27311	16037	43348	471839	910764	1382603
Aug-16	118605	200535	319140	51448	144568	196016	170814	246460	417274				26186	15432	41618	71388	273412	344800	35929	17603	53532	474370	898010	1372380
Sep-16	141645	202875	344520	69981	179763	249744	176597	247954	424551				31789	34415	66204	70100	242600	312700	17605	16373	33978	507717	923980	1431697
Oct-16	157686	211134	368820	108747	294875	403622	175855	300708	476563				58176	37497	95673	85248	258952	344200	23532	23070	46602	609244	1126236	1735480
Nov-16	120106	218834	338940	111129	264171	375300	173370	278671	452041	17266		17266	56617	63670	120287	81408	249392	330800	26671	24225	50896	586567	1098963	1685530
Total	968388	1829892	2798280	739640	1743505	2483145	1431868	2290270	3722138	17266		17266	375143	175375	550518	677826	1999909	2677735	209178	145115	354293	4419309	8184066	12603375

	THIS YEAR PRODUCTION PERFORMANCE 2017-18																							
	Kiriburu			Meghahatuburu			Bolani			Taldih			Kafta			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
Apr-17	98217	221373	319590	42314	135337	177651	150393	254749	405142	21394		21394	57208	58563	115771	92928	227672	320600	30625	18054	48679	493079	915748	1408827
May-17	106745	211585	318330	70752	177349	248101	174492	280029	454521	41093		41093	55660	54424	110084	91253	223947	315200	30522	19190	49712	570517	966524	1537041
Jun-17	100070	270370	370440	82706	232536	315242	157170	242913	400083	26726		26726	41059	31414	72473	80324	252676	333000	30594	742	31336	518649	1030651	1549300
Jul-17	94020	250140	344160	92232	168657	260889	121037	192991	314028	24980		24980	51291	18756	70047	70132	252868	323000				453692	883412	1337104
Aug-17	125088	245729	370817	116632	147047	263679	184599	261823	446422	29533		29533	52147	44206	96353	61660	253940	315600				569659	952745	1522404
Sep-17	112140	244026	356166	118839	191549	310388	180000	236999	416999	40592		40592	54105	78703	132808	66780	228920	295700		4589	4589	572456	984786	1557242
Oct-17	115199	275648	390847	122139	228941	351080	204036	242119	446155	36485		36485	55615	117138	172753	74039	280061	354100	14515	28390	42905	622028	1172297	1794325
Nov-17	90875	210860	301735	110426	280670	391096	176783	263777	440560	36114		36114	67163	75554	142717	67453	278547	346000	11710	30492	42202	560524	1139900	1700424
Total	842354	1929731	2772085	756040	1562086	2318126	1348510	1975400	3323910	256917		256917	434248	478758	913006	604569	1998631	2603200	117966	101457	219423	4360604	8046063	12406667

Change Over Last Year																								
DIFF	-126034	99839	-26195	16400	-181419	-165019	-83358	-314870	-398228	239651		239651	59105	303383	362488	-73257	-1278	-74535	-91212	-43658	-134870	-58705	-138003	-196708
%Chg	-13.0	5.5	-0.9	2.2	-10.4	-6.6	-5.8	-13.7	-10.7	1388.0	#DIV/0!	1388.0	15.8	173.0	65.8	-10.8	-0.1	-2.8	-43.6	-30.1	-38.1	-1.3	-1.7	-1.6

Unf In Te	PREVIOUS YEAR DESPATCH PERFORMANCE 2016-17																							
	Kriburu			Meghahatuburu			Bolani			Taldih			Kaifa			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
Apr-16	87344	233781	321125	95934	268050	363984	196824	275515	472340			0	60720	7590	68310	72013	228048	300061	25052	11120	36172	537887	1024105	1561992
May-16	111357	212542	323899	119708	232876	352584	212627	283367	495994			0	71549	11385	82934	102257	208188	310445	34509	13352	47861	652007	961710	1613717
Jun-16	120361	258799	379160	113150	249907	363057	189439	299799	489238			0	73134	7590	80724	102047	248746	350793	23812	15492	39304	621943	1080333	1702276
Jul-16	106337	216797	323134	63934	161707	225641	190355	250437	440792			0	3795		3795	75466	272809	348275	31718	15912	47630	471605	917662	1389267
Aug-16	126795	236920	363715	60140	142215	202355	137855	263493	401348			0	26565	15614	42179	80899	281183	362082	36110	25343	61453	468364	964768	1433132
Sep-16	139119	194717	333836	53949	129083	183032	155154	254031	409185			0	30794	34532	65326	63113	249099	312212	19800	23100	42900	461929	884562	1346491
Oct-16	150802	199548	350350	59462	261491	320953	175286	290688	465974			0	60651	37881	98532	85725	243146	328871	24340	24839	49179	556266	1057593	1613859
Nov-16	113088	211161	324249	108573	209975	318548	149547	298092	447639	6600		6600	55895	60731	116626	81928	254452	336380	29435	25054	54489	545066	1059465	1604531
Total	955203	1764265	2719468	674850	1655304	2330154	1407087	2215422	3622510	6600	0	6600	383103	175323	558426	663448	1985671	2649119	224776	154212	378988	4315067	7950198	12265265
	THIS YEAR DESPATCH PERFORMANCE 2017-18																							
	Kriburu			Meghahatuburu			Bolani			Taldih			Kaifa			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
Apr-17	93034	205705	298739	102557	186744	289301	157291	270155	427446	19284		19284	52923	49335	102258	94743	211053	305796	29782	13962	43744	549614	936954	1486568
May-17	108284	229783	338067	75471	122904	198375	161078	238285	399363	44258		44258	61635	51644	113279	86851	198410	285261	33785	18125	51910	571362	859151	1430513
Jun-17	94661	236046	330707	71102	204110	275212	161631	269244	430875	31910		31910	39970	40446	80416	69949	215160	285109	28119		28119	497342	965006	1462348
Jul-17	95988	203227	299215	98431	202274	300705	131343	201904	333247	26127		26127	50192	32846	83038	56698	214229	270927				458779	854480	1313259
Aug-17	128151	252650	380801	124649	209225	333874	188639	310588	499227	31718		31718	52154	44328	96482	50379	210555	260934				575690	1027346	1603036
Sep-17	94122	236991	331113	90078	238322	328400	191268	285463	476731	40249		40249	53720	72421	126141	58144	200914	259058		2978	2978	527581	1037089	1564670
Oct-17	107967	245065	353032	82345	223131	305476	147489	229753	377242	34809		34809	35575	96331	131906	51234	267710	318944	13402	28128	41530	472821	1090118	1562939
Nov-17	103505	253908	357413	97050	225980	323030	171901	240643	412544	39289		39289	77842	83727	161569	52513	257644	310157	14210	31964	46174	556310	1093866	1650176
Total	825712	1863375	2689087	741683	1612690	2354373	1310640	2046035	3356675	267644		267644	424011	471078	895089	520511	1775675	2296186	119298	95157	214455	4209499	7864010	12073509
Change Over Last Year																								
DIFF	-129491	99110	-30381	66833	-42614	24219	-96447	-169387	-265835	261044	0	261044	40908	295755	336663	-142937	-209996	-352933	-105478	-59055	-164533	-105568	-86188	-191756
%Chg	-13.6	5.6	-1.1	9.9	-2.6	1.0	-6.9	-7.6	-7.3	3955.2	#DIV/0!	3955.2	10.7	168.7	60.3	-21.5	-10.6	-13.3	-46.9	-38.3	-43.4	-2.4	-1.1	-1.6

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS
NOVEMBER 2017
बोकारो 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	50	31	62	400	278	70	295	-6	100	71	71	540	663	123	496	34	150	102	68	940	941	100	791	19
MBR	60	65	108	510	400	78	189	112	120	79	66	860	725	84	718	1	180	144	80	1370	1125	82	907	24
BOL	90	44	49	560	436	78	565	-23	80	60	75	830	546	66	705	-23	170	104	61	1390	982	71	1270	-23
BAR																								
TAL		23			46													23			46			
KAL		30			91		36	153		27			134		24	158		57			225		60	275
GUA	25	17	68	220	131	60	105	25	75	61	81	500	356	71	271	31	100	78	78	720	487	68	376	30
MPR	10	11	110	80	54	68	49	10		23			48		15	220	10	34	340	80	102	128	64	39
RMD TOT	235	221	94	1770	1436	81	1239	16	375	321	86	2730	2472	91	2229	11	610	542	89	4500	3908	87	3468	13
DRZ																								
PUR																								
GR TOT	235	221	94	1770	1436	81	1239	16	375	321	86	2730	2472	91	2229	11	610	542	89	4500	3908	87	3468	13
0																								
FLUXES																								
KTR	42	20	48	332	196	59	223	-12																
TDMR	11	6	55	92	54	59	44	23																
TOT	53	26	49	424	250	59	267	-6																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS
NOVEMBER 2017
दुर्गापुर 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					8		31	-74							12	-100					8		43	-81
MBR					26		43	-40	25			135	18	13	84	-79	25			135	44	33	127	-65
BOL	60	74	123	530	554	105	544	2	160	103	64	1210	799	66	830	-4	220	177	80	1740	1353	78	1374	-2
BAR																								
TAL																								
KAL																								
GUA	35	33	94	250	291	116	355	-18	20	103	515	215	645	300	663	-3	55	136	247	465	936	201	1018	-8
MPR	10			65	4	6	6	-33							1	-100	10			65	4	6	7	-13
RMD TOT	105	107	102	845	883	104	979	-10	205	206	100	1560	1462	94	1590	-8	310	313	101	2405	2345	98	2569	-9
DRZ																								
PUR																								
GR TOT	105	107	102	845	883	104	979	-10	205	206	100	1560	1462	94	1590	-8	310	313	101	2405	2345	98	2569	-9
0																								
FLUXES																								
KTR	4			35	12	34	12	0																
TDMR					4																			
TOT	4			35	16	46	12	33																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS
NOVEMBER 2017
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	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	60	72	120	455	540	119	505	7	90	163	181	1170	1030	88	920	12	150	235	157	1625	1570	97	1425	10
MBR	30	32	107	240	315	131	323	-2	50	129	258	510	742	145	594	25	80	161	201	750	1057	141	917	15
BOL							7	-100							58	-100							65	-100
BAR																								
TAL	15	6	40	150	201	134	7	2771	35			205					50	6	12	355	201	57	7	2771
KAL	50	48	96	475	311	65	324	-4	120	57	48	630	316	50	153	107	170	105	62	1105	627	57	477	31
GUA							44	-100	30			180			212	-100	30			180			256	-100
MPR					11		55	-80	20	9	45	190	37	19	86	-57	20	9	45	190	48	25	141	-66
RMD TOT	155	158	102	1320	1378	104	1265	9	345	358	104	2885	2125	74	2023	5	500	516	103	4205	3503	83	3288	7
PUR																								
DRZ		3			3													3			3			
GR TOT	155	161	104	1320	1381	105	1265	9	345	358	104	2885	2125	74	2023	5	500	519	104	4205	3506	83	3288	7
0																								
FLUXES																								
KTR	14	4	29	94	64	68	79	-19																
TDMR	4	3	75	33	34	103	8	325																
TOT	18	7	39	127	98	77	87	13																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

NOVEMBER 2017

बर्नपुर 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							19	-100		7			7		20	-65		7			7		39	-82
MBR							3	-100	10	7	70	50	108	216	65	66	10	7	70	50	108	216	68	59
BOL	35	54	154	360	319	89	290	10	70	77	110	590	703	119	622	13	105	131	125	950	1022	108	912	12
BAR																								
TAL	15	10	67	65	20	31											15	10	67	65	20	31		
KAL	20			50	24	48	17	41					19				20			50	43	86	17	153
GUA	25	3	12	190	98	52	157	-38	175	93	53	1255	773	62	825	-6	200	96	48	1445	871	60	982	-11
MPR	5	3	60	90	51	57	98	-48					9		3	200	5	3	60	90	60	67	101	-41
RMD TOT	100	70	70	755	512	68	584	-12	255	184	72	1895	1619	85	1535	5	355	254	72	2650	2131	80	2119	1
DRZ																								
PUR																								
GR TOT	100	70	70	755	512	68	584	-12	255	184	72	1895	1619	85	1535	5	355	254	72	2650	2131	80	2119	1
0									FLUXES															
KTR																								
TDMR																								
TOT																								

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS
NOVEMBER 2017
भिलाई इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST		FOR MONTH			TILL MONTH			LAST		FOR MONTH			TILL MONTH			LAST	
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB							103	-100	30	12	40	250	162	65	316	-49	30	12	40	250	162	65	419	-61
MBR	10			60			117	-100	35	11	81	335	18	5	197	-91	45	11	24	395	18	5	314	-94
BOL																								
BAR																								
TAL	15			110					10			60					25			170				
KAL																								
GUA															8	-100							8	-100
MPR							16	-100							43	-100							59	-100
RMD TOT	25			170			236	-100	75	23	81	645	180	28	564	-68	100	23	23	815	180	22	800	-78
DRZ																								
PUR																								
GR TOT	25			170			236	-100	75	23	81	645	180	28	564	-68	100	23	23	815	180	22	800	-78
0 FLUXES																								
KTR	60	32	53	480	353	74	347	2																
TDMR					24																			
TOT	60	32	53	480	377	79	347	9																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS
NOVEMBER 2017
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	110	103	94	855	826	97	953	-13	220	253	115	1960	1862	95	1764	6	330	356	108	2815	2688	95	2717	-1
MBR	100	97	97	810	741	91	675	10	240	226	94	1890	1611	85	1658	-3	340	323	95	2700	2352	87	2333	1
BOL	185	172	93	1450	1309	90	1406	-7	310	240	77	2630	2048	78	2215	-8	495	412	83	4080	3357	82	3621	-7
BAR																								
TAL	45	39	87	325	267	82	7	3714	45			265					90	39	43	590	267	45	7	3714
KAL	70	78	111	525	426	81	377	13	120	84	70	630	469	74	177	165	190	162	85	1155	895	77	554	62
GUA	85	53	62	660	520	79	661	-21	300	257	86	2150	1774	83	1979	-10	385	310	81	2810	2294	82	2640	-13
MPR	25	14	56	235	120	51	224	-46	20	32	160	190	94	49	148	-36	45	46	102	425	214	50	372	-42
RMD TOT	620	556	90	4860	4209	87	4303	-2	1255	1092	87	9715	7858	81	7941	-1	1875	1648	88	14575	12067	83	12244	-1
PUR																								
DRZ		3			3													3			3			
GR TOT	620	559	90	4860	4212	87	4303	-2	1255	1092	87	9715	7858	81	7941	-1	1875	1651	88	14575	12070	83	12244	-1
0																								
FLUXES																								
KTR	120	56	47	941	625	66	661	-5																
TDMR	15	9	60	125	116	93	52	123																
TOT	135	65	48	1066	741	70	713	4																

**IRON ORE DISTRIBUTION AND TRANSFERS TO MEL, VISL, RINL & NINL
MANGANESE ORE DISTRIBUTION AND TRANSFERS TO MEL, IISCO & BSP
NOVEMBER- 2017**

	लौह अयस्क लम्प								लौह अयस्क फाइन्स								लौह अयस्क (लम्प+ फाइन्स)							
	FOR MONTH			TILL MONTH			LAST YR	GRTH %	FOR MONTH			TILL MONTH			LAST YR	GRTH %	FOR MONTH			TILL MONTH			LAST YR	GRTH %
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF		
GUA TO VISL																								
KBR TO NINL																								
MBR TO KIOCL																								
MBR TO VISL																								
MBR TO NINL																								
GUA TO PAPK																								
BOL TO OTH																								
GUA TO ASP																								
KAL TO ASP																							8	-100
KAL TO VISL																								
BAR TO VISL																								
BAR TO AML																								
KBR TO PAPK																								
RMD TOT																							8	-100

**FLUX MINES PERFORMANCE FOR AND UPTO THE MONTH OF
NOVEMBER 2017**

UNIT 000 TONNES

		TGT	ACT	%FF	YR NOV 2016	LSTYR NOV 2016	TGT	ACT	%FF	YR	LSTYR
KUTESHWAR	1420	120	62	52	104	-40.4	940	617	66	665	-7.2
TULSIDAMAR	200	15	22	147	5	340.0	125	132	106	52	153.8
BHAWANATHPUR											
TOTAL	1620	135	84	62	109	-22.9	1065	749	70	717	4.5

DESPATCH

MINE	PLAN	FOR MONTH				GRTH % OVER LSTYR NOV 2016	TILL MONTH				GRTH % OVER LSTYR
		TGT	ACT	%FF	LAST YR NOV 2016		PLAN	ACT	%FF	LAST YR	
KUTESHWAR	1420	120	56	47	102	-45.1	941	625	66	665	-6.0
TULSIDAMAR	200	15	9	60			125	124	99	52	138.5
BHAWANATHPUR											
TOTAL	1620	135	65	48	102	-36.3	1066	749	70	717	4.5

Monthwise Performance against Last Year

Unit In Te	PREVIOUS YEAR FLUX PERFORMANCE 2016-17							
	KTR		Bhawanathpur		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP	PROD	DESP
Apr-16	80834	81845	0	0	23595	20079	104429	101924
May-16	83212	82407	0	0	6814	15805	90026	98212
Jun-16	76585	78187	0	0	8116	8116	84701	86303
Jul-16	67737	68481	0	0	5798	3959	73535	72440
Aug-16	68936	72580	0	0	960	4060	69896	76640
Sep-16	84050	88139	0	0	0	0	84050	88139
Oct-16	93465	96870	0	0	0	0	93465	96870
Nov-16	103550	104896	0	0	4541	0	108091	104896
Dec-16							0	0
Jan-17							0	0
Feb-17							0	0
Mar-17							0	0
Total	658369	673405	0	0	49824	52019	708193	725424

	THIS YEAR FLUX PERFORMANCE 2017-18							
	KTR		Bhawanathpur		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP	PROD	DESP
Apr-17	84586	80594	0	0	10170	20107	94756	100701
May-17	105306	100972	0	0	15229	17144	120535	118116
Jun-17	90785	88818	0	0	22413	20559	113198	109377
Jul-17	69065	80624	0	0	14045	16005	83110	96629
Aug-17	69618	80934	0	0	17465	18733	87083	99667
Sep-17	81361	80650	0	0	19140	19008	100501	99658
Oct-17	54321	60378	0	0	13329	2709	67650	63087
Nov-17	62310	56744	0	0	21806	8379	84116	65123
Dec-17							0	0
Jan-18							0	0
Feb-18							0	0
Mar-18							0	0
Total	617352	629714	0	0	133597	122644	750949	752358

Over Last Year

DIFF	-41017	-43691	0	0	83773	70625	42756	26934
%Chg	-6.2	-6.5	#DIV/0!		168.1	135.8	6.0	3.7

QUALITY ANALYSED AT PLANT

NOVEMBER 2017

बोकारो इस्पात संयंत्र

लौह अयस्क लम्प						लौह अयस्क फाईन्स					FLUX					
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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	63	2.6	2.5	10	15	62.5	3	2.8	10	28	BNP	NORM	43	5	6.5	15	10
	MTH ACT	62.91	3.11	2.00	12.43	22.51	62.72	3.02	2.32	8.32	29.60		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	63.11	2.91	1.71	15.41	20.34	62.38	3.32	2.32	9.75	30.05	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	63.87	2.38	1.76	17.71	21.35	62.77	3.25	2.46	10.67	31.67	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

MBR	NORM	62.5	3	2.5	15	15	62	3.8	2.7	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	62.73	3.86	1.56	13.45	18.39	62.08	3.94	2.40	5.44	35.50		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.86	3.02	1.96	14.91	22.47	62.01	3.74	2.43	5.73	34.52	CUM	2017-18	29.52	18.50	5.68	6.83	10.25
CUM	2016-17	63.40	2.69	2.20	15.46	25.35	62.29	3.89	2.51	8.18	36.27	CUM	2016-17	30.27	19.21	3.94	5.92	8.95

GUA	NORM	62.5	2.7	2.6	10	10	62.5	2.9	2.8	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.43	4.04	1.70	5.66	26.00	62.30	3.21	1.75	2.63	41.21		MTH ACT	45.34	2.90	3.41	5.02	31.26
CUM	2017-18	62.64	3.06	2.07	12.41	24.85	62.54	3.18	2.03	3.01	39.16	CUM	2017-18	45.82	2.81	3.41	3.63	26.52
CUM	2016-17	63.59	2.64	1.94	17.49	23.69	62.91	3.13	2.38	3.96	38.93	CUM	2016-17	44.77	2.56	3.59	2.63	24.90

BOL	NORM	62.6	2.4	2.5	10	10	62.7	2.8	2.9	10	30
	MTH ACT	63.15	2.80	1.89	15.42	19.27	62.40	3.09	2.64	5.61	29.54
CUM	2017-18	62.99	2.82	1.93	16.19	22.43	62.15	3.38	2.54	5.86	33.82
CUM	2016-17	63.77	2.23	2.10	15.18	26.02	62.71	3.01	2.77	5.93	36.78

KAL	NORM	63	2.1	2.3	10	10	63	2.4	2.5	5	40
	MTH ACT	64.18	1.79	1.44	6.28	13.95	63.70	2.13	1.98	4.29	29.16
CUM	2017-18	64.13	1.92	1.42	7.52	13.13	63.44	2.27	1.83	4.21	29.18
CUM	2016-17	64.35	1.73	1.66	12.59	12.67	63.53	2.32	2.44	4.59	20.53

MPR	NORM	63	2	2.2	10	10	63	2.4	2.6	5	40
	MTH ACT	64.30	1.85	1.34	7.65	12.95	63.83	1.90	1.92	4.38	29.47
CUM	2017-18	64.36	1.60	1.37	11.20	12.31	63.08	2.24	2.33	4.54	30.03
CUM	2016-17	64.48	1.69	1.68	13.78	12.50	63.39	2.20	2.62	4.44	31.13

TAL	NORM	62	2.7	3.1	10	10	62	3.1	3.1	5	40
	MTH ACT	63.42	1.71	2.04	7.80	15.52	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	63.99	1.74	1.54	6.08	13.23	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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लौह अयस्क लम्प	लौह अयस्क फाईन्स	FLUX
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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	63	2.6	2.5	10	15	62.5	3	2.8	10	28	BF LST	NORM	43	5	6.5	15	10
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	BNP	MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	63.30	2.70	1.90	4.40	22.80	0.00	0.00	0.00	0.00	0.00	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	61.40	6.90	1.27	14.73	14.17	63.70	2.10	2.05	15.80	37.70	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

MBR	NORM	62.5	3	2.5	15	15	62	3.8	2.7	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	63.11	2.37	1.33	11.05	22.18	63.56	2.93	1.54	3.78	51.19	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.24	3.63	2.06	10.39	21.60	61.64	4.98	2.25	4.76	45.40	CUM	2016-17	30.20	15.90	7.30	63.50	9.40

GUA	NORM	62.5	2.7	2.6	10	10	62.5	2.9	2.8	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.55	4.33	1.86	6.87	18.53	64.07	2.80	1.57	2.48	53.10		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.48	3.22	1.65	10.45	17.81	63.81	2.65	1.66	2.58	50.39	CUM	2017-18	45.70	2.28	4.53	31.28	11.88
CUM	2016-17	62.61	3.05	1.79	12.18	16.82	63.13	2.99	1.96	3.83	50.33	CUM	2016-17	48.35	2.43	5.10	15.15	13.20

BOL	NORM	62.6	2.4	2.5	10	10	62.7	2.8	2.9	10	30
	MTH ACT	62.52	1.92	2.05	11.81	13.50	62.69	2.47	2.00	4.86	36.90
CUM	2017-18	62.66	2.53	1.82	13.29	16.11	62.87	2.79	2.18	5.70	39.96
CUM	2016-17	62.91	2.29	2.12	10.13	19.48	62.99	2.58	2.42	8.33	39.51

MPR	NORM	63	2	2.2	10	10	63	2.4	2.6	5	40
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	61.70	1.75	3.95	11.55	44.60	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	63.70	1.40	2.13	23.73	27.73	0.00	0.00	0.00	0.00	0.00

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लौह अयस्क लम्प	लौह अयस्क फाईन्स	FLUX
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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	63	2.6	2.5	10	15	62.5	3	2.8	10	28	BNP	NORM	43	5	6.5	15	10
	MTH ACT	62.61	2.92	2.50	9.40	20.20	62.20	3.00	2.50	0.00	0.00		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.45	2.85	2.53	15.69	20.90	62.12	3.11	2.55	8.00	34.25	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.60	2.47	1.85	18.14	18.56	62.26	3.02	2.60	0.00	0.00	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

MBR	NORM	62.5	3	2.5	15	15	62	3.8	2.7	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	62.65	2.79	2.59	8.40	20.40	62.23	3.06	2.47	7.00	34.00		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.37	2.88	2.57	18.84	19.51	62.06	3.10	2.60	6.85	34.28	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.66	2.89	2.36	21.42	19.65	62.08	3.45	2.57	0.00	0.00	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

GUA	NORM	62.5	2.7	2.6	10	10	62.5	2.9	2.8	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MTH ACT	48.82	3.33	3.40	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CUM	2017-18	48.92	2.95	3.65	0.00	0.00
CUM	2016-17	62.75	2.53	2.44	15.74	20.43	62.28	3.18	2.50	0.00	0.00	CUM	2016-17	48.21	2.94	4.25	0.00	0.00

BOL	NORM	62.6	2.4	2.5	10	10	62.7	2.8	2.9	10	30
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.25	3.13	2.81	18.00	20.97	62.04	3.47	2.80	0.00	0.00

KAL	NORM	63	2.1	2.3	10	10	63	2.4	2.5	5	40
	MTH ACT	63.44	2.19	2.00	6.30	16.30	63.10	2.19	2.07	8.00	29.30
CUM	2017-18	63.25	2.10	2.09	11.11	17.32	62.89	2.32	2.17	6.70	28.50
CUM	2016-17	63.17	2.25	2.20	17.24	18.38	62.73	2.49	2.31	0.00	0.00

MPR	NORM	63	2	2.2	10	10	63	2.4	2.6	5	40
	MTH ACT	0.00	0.00	0.00	0.00	0.00	62.67	2.69	2.19	4.50	31.00
CUM	2017-18	63.50	1.77	1.93	20.70	18.30	62.55	2.53	2.57	5.76	30.49
CUM	2016-17	63.05	2.37	2.19	18.74	17.46	62.78	2.49	2.21	8.13	36.75

TAL	NORM	62	2.7	3.1	10	10	62	3.1	3.1	5	40
	MTH ACT	63.50	2.00	2.10	8.00	17.00	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	63.20	2.14	2.13	13.00	14.68	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.94	2.23	2.45	15.21	18.55	60.11	4.27	4.74	0.00	0.00

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लोह अयस्क लम्प						लोह अयस्क फाईन्स						FLUX					
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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	63	2.6	2.5	10	15	62.5	3	2.8	10	28	BNP	NORM	43	5	6.5	15	10
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	62.71	2.10	3.64	4.29	38.34	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	62.65	3.70	3.70	10.60	10.80	63.18	3.18	2.44	10.54	38.77	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

MBR	NORM	62.5	3	2.5	15	15	62	3.8	2.7	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	0.00	0.00	0.00	0.00	0.00	61.19	4.23	4.30	8.86	31.70		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	61.79	3.59	3.89	9.12	35.52	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	0.00	0.00	0.00	0.00	0.00	62.65	2.84	2.77	7.88	47.01	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

GUA	NORM	62.5	2.7	2.6	10	10	62.5	2.9	2.8	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	0.00	0.00	0.00	0.00	0.00	62.73	3.28	2.52	3.76	54.04		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.88	3.17	2.44	24.09	10.56	62.88	2.84	2.96	6.57	49.54	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	63.51	2.20	2.53	23.63	9.48	63.02	2.72	2.95	7.32	48.38	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

BOL	NORM	62.6	2.4	2.5	10	10	62.7	2.8	2.9	10	30
	MTH ACT	62.48	2.59	3.54	5.75	0.72	61.93	3.47	3.69	7.45	35.65
CUM	2017-18	62.41	3.51	3.13	7.25	5.46	61.67	3.32	3.86	8.98	37.27
CUM	2016-17	64.30	1.39	2.41	24.06	10.21	62.09	2.84	3.83	10.92	41.61

KAL	NORM	63	2.1	2.3	10	10	63	2.4	2.5	5	40
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	60.62	4.01	4.79	9.02	11.37	60.50	3.53	6.04	7.69	28.60
CUM	2016-17	65.21	1.08	2.47	10.70	7.20	61.68	2.71	4.50	7.58	56.43

MPR	NORM	63	2	2.2	10	10	63	2.4	2.6	5	40
	MTH ACT	62.20	2.43	2.90	17.86	1.50	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	62.48	2.53	3.45	16.93	8.04	60.21	3.19	5.91	5.90	37.58
CUM	2016-17	64.40	1.23	2.99	26.11	7.83	0.00	0.00	0.00	0.00	0.00

TAL	NORM	62	2.7	3.1	10	10	62	3.1	3.1	5	40
	MTH ACT	62.38	2.42	3.56	1.40	2.26	0.00	0.00	0.00	0.00	0.00
CUM	MTH ACT	62.13	2.59	3.98	4.58	6.51	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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लौह अयस्क लम्प	लौह अयस्क फाईन्स	FLUX
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MINES		Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	Fe%	SiO ₂ %	Al ₂ O ₃ %	OS%	US%	MINES		CaO%	MgO%	SiO ₂ %	OS%	US%
KRB	NORM	63	2.6	2.5	10	15	62.5	3	2.8	10	28	BNP	NORM	43.0	5.00	6.5	15.0	10.0
	MTH ACT	0.00	0.00	0.00	0.00	0.00	63.67	2.89	2.19	4.40	38.50		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	62.96	3.26	2.16	7.75	32.14	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

MBR	NORM	62.5	3	2.5	15	15	62	3.8	2.7	5	30	TDM	NORM	30.0	18.0	5.0	5.0	10.0
	MTH ACT	0.00	0.00	0.00	0.00	0.00	61.96	5.06	2.49	2.35	47.71		MTH ACT	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	61.38	5.25	2.66	2.50	48.33	CUM	2017-18	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	63.15	3.88	2.18	26.67	16.66	62.57	4.80	2.18	15.18	42.52	CUM	2016-17	0.00	0.00	0.00	0.00	0.00

GUA	NORM	62.5	2.7	2.6	10	10	62.5	2.9	2.8	5	40	KTR	NORM	50.0	2.25	3.50	5.0	5.0
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		MTH ACT	51.03	1.51	3.47	8.00	18.50
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	CUM	2017-18	50.42	1.88	3.74	7.27	17.97
CUM	2016-17	0.00	0.00	0.00	0.00	0.00	61.50	4.36	3.43	9.65	52.90	CUM	2016-17	49.81	2.15	3.92	7.05	17.88

MPR	NORM	63	2	2.2	10	10	63	2.4	2.6	5	40
	MTH ACT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CUM	2016-17	63.72	2.85	2.42	31.66	15.73	61.77	2.40	4.22	16.15	33.30

गूणवत्ता :: बोकारो इस्पात संयंत्र
किरीबुरु लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.87	2.38	1.76	17.71	21.35	4.14	0.74	424271
APP 17-18	63.00	2.60	2.50	10.00	15.00	5.10	0.96	600000
Apr-17	63.55	2.04	1.92	25.98	15.98	3.96	0.94	15734
May-17	62.71	2.47	1.94	20.50	19.66	4.41	0.79	49717
Jun-17	62.82	2.77	1.88	18.78	18.46	4.65	0.68	27297
Jul-17	63.36	3.02	1.45	16.50	18.55	4.47	0.48	30691
Aug-17	63.23	3.26	1.33	11.37	21.41	4.59	0.41	56141
Sep-17	62.98	3.57	1.50	9.78	22.60	5.07	0.42	35257
Oct-17	63.35	3.01	1.67	7.94	23.53	4.68	0.55	31542
Nov-17	62.91	3.11	2.00	12.43	22.51	5.11	0.64	31476
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.11	2.91	1.71	15.41	20.34	4.62	0.59	277855

मेघाहातुबुरु

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.40	2.69	2.20	15.46	25.35	4.89	0.82	552795
APP 17-18	62.50	3.00	2.50	15.00	15.00	5.50	0.83	800000
Apr-17	62.67	2.72	2.19	16.31	24.26	4.91	0.81	63538
May-17	62.50	2.48	2.60	15.82	26.04	5.08	1.05	24337
Jun-17	62.87	2.62	1.96	14.65	25.46	4.58	0.75	39254
Jul-17	63.16	2.80	1.86	13.51	27.07	4.66	0.66	46360
Aug-17	62.96	3.25	1.85	17.78	16.26	5.10	0.57	51793
Sep-17	62.86	3.25	1.98	15.98	17.77	5.23	0.61	56117
Oct-17	63.09	3.19	1.64	11.77	24.53	4.83	0.51	57267
Nov-17	62.73	3.86	1.56	13.45	18.39	5.42	0.40	56974
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.86	3.02	1.96	14.91	22.47	4.98	0.65	395640

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.77	3.25	2.46	10.67	31.67	5.71	0.76	806284
APP 17-18	62.50	3.00	2.80	10.00	28.00	5.80	0.93	1000000
Apr-17	61.83	3.24	3.00	10.92	30.79	6.24	0.93	72689
May-17	61.41	3.51	2.82	11.18	30.07	6.33	0.80	73121
Jun-17	62.02	3.17	2.79	10.60	30.69	5.96	0.88	109237
Jul-17	62.64	3.77	1.75	10.54	30.97	5.52	0.46	88126
Aug-17	62.87	3.29	1.83	10.30	30.14	5.12	0.56	108748
Sep-17	62.90	3.25	1.87	8.21	28.74	5.12	0.58	71281
Oct-17	62.63	3.34	2.14	7.94	29.37	5.48	0.64	66077
Nov-17	62.72	3.02	2.32	8.32	29.60	5.34	0.77	67148
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.38	3.32	2.32	9.75	30.05	5.64	0.70	656427

मेघाहातुबुरु

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.29	3.89	2.51	8.18	36.27	6.40	0.65	1105746
APP 17-18	62.00	3.80	2.70	5.00	30.00	6.50	0.71	1300000
Apr-17	62.01	3.15	2.69	5.87	37.79	5.84	0.85	96270
May-17	61.43	3.55	2.72	5.57	36.81	6.27	0.77	66385
Jun-17	61.92	3.42	2.55	6.16	36.99	5.97	0.75	86084
Jul-17	62.07	3.76	2.61	6.07	35.99	6.37	0.69	101823
Aug-17	62.35	3.83	2.15	5.95	32.05	5.98	0.56	115317
Sep-17	62.15	4.25	2.02	5.48	30.51	6.27	0.48	84756
Oct-17	62.08	3.98	2.30	5.30	30.48	6.28	0.58	89357
Nov-17	62.08	3.94	2.40	5.44	35.50	6.34	0.61	83350
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.01	3.74	2.43	5.73	34.52	6.17	0.65	723342

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बोलानी लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.77	2.23	2.10	15.18	26.02	4.33	0.94	807301
APP 17-18	62.60	2.40	2.50	10.00	10.00	4.90	1.04	900000
Apr-17	63.04	2.60	1.86	17.92	23.74	4.46	0.72	81265
May-17	62.69	2.24	2.30	14.98	26.60	4.54	1.03	53290
Jun-17	62.93	2.33	2.40	16.11	24.84	4.73	1.03	51331
Jul-17	62.99	3.16	1.92	15.32	24.60	5.08	0.61	40593
Aug-17	63.11	3.20	1.61	17.91	21.30	4.81	0.50	58793
Sep-17	63.05	3.21	1.64	19.26	16.64	4.85	0.51	59046
Oct-17	62.96	3.04	1.81	12.57	22.48	4.85	0.60	48085
Nov-17	63.15	2.80	1.89	15.42	19.27	4.69	0.68	33964
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.99	2.82	1.93	16.19	22.43	4.75	0.68	426367

गुआ लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.59	2.64	1.94	17.49	23.69	4.58	0.73	147694
APP 17-18	62.50	2.70	2.60	10.00	10.00	5.30	0.96	300000
Apr-17	63.20	2.27	1.94	16.37	23.53	4.21	0.85	31406
May-17	62.80	2.18	2.06	16.18	24.50	4.24	0.94	21528
Jun-17	62.77	2.41	2.13	14.80	26.58	4.54	0.88	17135
Jul-17	62.91	3.11	2.07	14.08	26.58	5.18	0.67	4059
Aug-17	61.41	3.96	2.70	14.35	22.00	6.66	0.68	1704
Sep-17	63.08	2.86	1.99	9.87	25.21	4.85	0.70	21306
Oct-17	62.55	3.62	2.00	7.95	27.40	5.62	0.55	20085
Nov-17	62.43	4.04	1.70	5.66	26.00	5.74	0.42	18231
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.64	3.06	2.07	12.41	24.85	5.13	0.68	135454

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.71	3.01	2.77	5.93	36.78	5.78	0.92	699481
APP 17-18	62.70	2.80	2.90	10.00	30.00	5.70	1.04	1200000
Apr-17	62.02	3.28	2.57	6.30	36.40	5.85	0.78	70448
May-17	61.59	2.99	3.01	6.35	37.03	6.00	1.01	59732
Jun-17	61.81	3.18	3.19	6.21	37.03	6.37	1.00	71618
Jul-17	61.98	4.03	2.42	6.06	36.30	6.45	0.60	45423
Aug-17	62.91	3.30	1.68	5.97	33.20	4.98	0.51	74366
Sep-17	62.24	3.61	2.36	5.14	30.95	5.97	0.65	106781
Oct-17	62.21	3.52	2.43	5.20	30.13	5.95	0.69	58788
Nov-17	62.40	3.09	2.64	5.61	29.54	5.73	0.85	62670
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.15	3.38	2.54	5.86	33.82	5.92	0.75	549826

गुआ फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.91	3.13	2.38	3.96	38.93	5.24	0.80	408171
APP 17-18	62.50	2.90	2.80	5.00	40.00	5.70	0.97	700000
Apr-17	62.12	3.05	2.66	3.52	39.76	5.71	0.87	41594
May-17	62.32	2.69	2.34	2.69	41.81	5.03	0.87	62639
Jun-17	62.12	2.88	2.61	2.90	39.82	5.49	0.91	64128
Jul-17	62.85	3.37	1.84	3.34	37.76	5.21	0.55	14203
Aug-17	62.95	3.37	1.54	3.10	38.45	4.91	0.46	5749
Sep-17	62.73	3.40	1.94	2.96	36.71	5.34	0.57	40410
Oct-17	62.89	3.45	1.55	2.93	37.76	5.00	0.45	56715
Nov-17	62.30	3.21	1.75	2.63	41.21	4.96	0.55	60630
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.54	3.18	2.03	3.01	39.16	5.21	0.64	346068

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.91	2.29	2.12	10.13	19.48	4.24	1.03	780607
APP 17-18	62.60	2.40	2.50	10.00	10.00	4.90	1.04	800000
Apr-17	62.52	3.25	1.99	12.99	19.42	5.24	0.61	46699
May-17	62.60	1.81	2.05	11.06	21.73	3.86	1.13	61975
Jun-17	62.83	1.84	2.05	9.75	17.04	3.89	1.11	65928
Jul-17	62.78	3.07	1.64	9.98	16.64	4.71	0.53	65431
Aug-17	62.70	3.17	1.37	18.94	13.56	4.54	0.43	85090
Sep-17	62.75	2.94	1.68	18.88	12.70	4.62	0.57	90852
Oct-17	62.39	2.42	1.77	13.65	14.27	4.19	0.73	72059
Nov-17	62.52	1.92	2.05	11.81	13.50	3.97	1.07	70326
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.66	2.53	1.82	13.29	16.11	4.35	0.72	558360

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लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.61	3.05	1.79	12.18	16.82	4.54	0.63	522831
APP 17-18	62.50	2.70	2.60	10.00	10.00	5.30	0.96	400000
Apr-17	63.13	2.28	1.50	12.33	17.75	3.78	0.66	28274
May-17	63.01	1.86	1.44	12.19	17.67	3.30	0.77	25728
Jun-17	62.49	2.43	2.03	6.03	17.24	4.46	0.84	43751
Jul-17	62.70	2.91	1.84	5.29	16.34	4.75	0.63	51319
Aug-17	62.38	4.08	1.44	13.13	16.81	5.52	0.35	47854
Sep-17	62.13	4.45	1.41	17.82	19.47	5.86	0.32	38975
Oct-17	62.53	3.33	1.68	10.80	18.35	5.01	0.50	37736
Nov-17	62.55	4.33	1.86	6.87	18.53	6.19	0.43	32983
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.48	3.22	1.65	10.45	17.81	4.87	0.51	306620

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.99	2.58	2.42	8.33	39.51	5.38	1.00	1195329
APP 17-18	62.70	2.80	2.90	10.00	30.00	5.70	1.04	1800000
Apr-17	62.54	2.93	2.63	5.54	47.79	5.56	0.90	107133
May-17	62.33	2.60	2.64	9.13	38.96	5.24	1.02	107267
Jun-17	62.20	2.69	2.82	6.34	38.11	5.51	1.05	84755
Jul-17	62.98	3.36	2.03	5.25	42.90	5.39	0.60	87032
Aug-17	63.92	2.77	1.48	4.52	41.79	4.25	0.53	106463
Sep-17	63.16	2.77	1.85	4.43	38.53	4.62	0.67	101840
Oct-17	62.79	2.89	2.17	5.13	34.56	5.06	0.75	112225
Nov-17	62.69	2.47	2.00	4.86	36.90	4.47	0.81	101022
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.87	2.79	2.18	5.70	39.96	4.97	0.78	807737

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.13	2.99	1.96	3.83	50.33	4.66	0.71	927188
APP 17-18	62.50	2.90	2.80	5.00	40.00	5.70	0.97	400000
Apr-17	63.14	2.84	2.21	1.92	53.37	5.05	0.78	52930
May-17	63.54	1.79	1.80	2.28	50.39	3.59	1.01	58759
Jun-17	63.60	2.09	1.90	3.10	43.61	3.99	0.91	51590
Jul-17	63.87	2.74	1.66	2.70	49.49	4.40	0.61	108687
Aug-17	63.86	3.03	1.27	2.73	50.68	4.30	0.42	108616
Sep-17	64.13	2.53	1.46	3.09	48.48	3.99	0.58	83157
Oct-17	64.18	3.40	1.42	2.21	54.22	4.82	0.42	93214
Nov-17	64.07	2.80	1.57	2.48	53.10	4.37	0.56	96962
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.81	2.65	1.66	2.58	50.39	4.31	0.63	653915

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.60	2.47	1.85	18.14	18.56	4.32	0.75	750125
APP 17-18	63.00	2.60	2.50	10.00	15.00	5.10	0.96	700000
Apr-17	62.91	2.31	2.26	20.50	20.90	4.57	0.98	84635
May-17	62.65	2.66	2.25	19.90	20.80	4.91	0.85	57809
Jun-17	62.48	2.59	2.53	19.90	20.80	5.12	0.98	60585
Jul-17	61.93	3.11	2.86	19.70	21.00	5.97	0.92	69349
Aug-17	62.11	3.47	2.52	15.60	21.70	5.99	0.73	73859
Sep-17	62.38	3.02	2.48	10.80	21.60	5.50	0.82	60447
Oct-17	62.37	2.81	2.92	9.60	20.40	5.73	1.04	63152
Nov-17	62.61	2.92	2.50	9.40	20.20	5.42	0.86	73703
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.45	2.85	2.53	15.69	20.90	5.38	0.89	543539

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.66	2.89	2.36	21.42	19.65	5.25	0.82	462287
APP 17-18	62.50	3.00	2.50	15.00	15.00	5.50	0.83	300000
Apr-17	62.64	2.33	2.45	23.40	19.00	4.78	1.05	38368
May-17	62.76	2.47	2.24	22.40	19.40	4.71	0.91	51114
Jun-17	62.59	2.46	2.79	22.40	19.40	5.25	1.13	36089
Jul-17	61.98	3.14	2.77	22.30	19.20	5.91	0.88	36523
Aug-17	61.98	3.38	2.61	22.30	19.20	5.99	0.77	54536
Sep-17	62.14	3.22	2.57	13.60	19.40	5.79	0.80	47102
Oct-17	62.36	3.06	2.74	8.20	21.20	5.80	0.90	18086
Nov-17	62.65	2.79	2.59	8.40	20.40	5.38	0.93	36273
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.37	2.88	2.57	18.84	19.51	5.45	0.89	318091

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.75	2.53	2.44	15.74	20.43	4.97	0.96	54676
APP 17-18	62.50	2.70	2.60	10.00	10.00	5.30	0.96	
Apr-17								
May-17								
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17								
Nov-17								
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML								

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.26	3.02	2.60			5.62	0.86	1300740
APP 17-18	62.50	3.00	2.80	10.00	28.00	5.80	0.93	1600000
Apr-17	62.03	2.93	2.76			5.69	0.94	132758
May-17	62.30	2.85	2.40			5.25	0.84	138383
Jun-17	62.08	2.96	2.72			5.68	0.92	88744
Jul-17	62.08	3.16	2.52			5.68	0.80	124451
Aug-17	61.81	3.76	2.47			6.23	0.66	135052
Sep-17	62.22	3.04	2.36			5.40	0.78	123799
Oct-17	62.12	3.09	2.73	8.00	36.50	5.82	0.88	135701
Nov-17	62.20	3.50	2.10			5.60	0.60	169841
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.12	3.11	2.55	8.00	34.25	5.66	0.82	1048729

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.08	3.45	2.57			6.02	0.74	880831
APP 17-18	62.00	3.80	2.70	5.00	30.00	6.50	0.71	650000
Apr-17	61.93	3.17	2.62			5.79	0.83	78628
May-17	62.03	3.12	2.58			5.70	0.83	60436
Jun-17	62.04	2.86	2.94			5.80	1.03	110284
Jul-17	62.18	3.01	2.52			5.53	0.84	78542
Aug-17	61.78	3.77	2.40			6.17	0.64	72052
Sep-17	62.05	3.10	2.40			5.50	0.77	121117
Oct-17	62.05	2.94	2.82	6.71	34.57	5.76	0.96	93111
Nov-17	62.23	3.06	2.47	7.00	34.00	5.53	0.81	130855
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.06	3.10	2.60	6.85	34.28	5.70	0.84	745025

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.28	3.18	2.50			5.68	0.79	209772
APP 17-18	62.50	2.90	2.80	5.00	40.00	5.70	0.97	200000
Apr-17								
May-17								
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17								
Nov-17								
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML								

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.17	2.25	2.20	17.24	18.38	4.45	0.98	517617
APP 17-18	63.00	2.10	2.30	10.00	10.00	4.40	1.10	700000
Apr-17	63.21	1.96	2.11	16.60	18.60	4.07	1.08	51676
May-17	63.30	1.94	2.18	16.60	18.60	4.12	1.12	62804
Jun-17	63.03	2.12	2.21	7.50	18.00	4.33	1.04	21566
Jul-17	63.26	2.03	2.06	9.00	16.40	4.09	1.01	35056
Aug-17	63.21	2.26	1.99	9.00	16.40	4.25	0.88	47234
Sep-17	63.18	2.12	2.10	8.40	16.70	4.22	0.99	45848
Oct-17	63.10	2.69	2.03	6.00	16.00	4.72	0.75	14072
Nov-17	63.44	2.19	2.00	6.30	16.30	4.19	0.91	48889
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.25	2.10	2.09	11.11	17.32	4.19	1.00	327145

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.05	2.37	2.19	18.74	17.46	4.56	0.92	102444
APP 17-18	63.00	2.00	2.20	10.00	10.00	4.20	1.10	
Apr-17	63.50	1.77	1.93	20.70	18.30	3.70	1.09	11573
May-17								
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17								
Nov-17								
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.50	1.77	1.93	20.70	18.30	3.70	1.09	11573

तल्डीह

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.94	2.23	2.45	2.23	2.45	4.68	1.10	100254
APP 17-18	62.00	2.70	3.10	10.00	10.00	5.80	1.15	200000
Apr-17	63.49	1.88	2.20	16.60	20.00	4.08	1.17	19887
May-17	63.19	1.95	2.38	16.00	20.30	4.33	1.22	44424
Jun-17	63.16	2.01	2.16	16.00	20.30	4.17	1.07	31932
Jul-17	63.08	2.60	1.80	9.80	17.50	4.40	0.69	26127
Aug-17	63.13	2.24	2.10	9.00	18.80	4.34	0.94	29272
Sep-17	63.32	2.15	2.18	8.50	18.10	4.33	1.01	39580
Oct-17	63.10	2.80	2.00	7.00	17.00	4.80	0.71	6620
Nov-17	63.50	2.00	2.10	8.00	17.00	4.10	1.05	3098
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.20	2.14	2.13	13.00	14.68	4.27	1.00	200940

गुणवत्ता :: राउरकेला इस्पात संयंत्र

काल्टा

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.73	2.49	2.31			4.80	0.93	431608
APP 17-18	63.00	2.40	2.50	5.00	40.00	4.90	1.04	1100000
Apr-17	62.82	2.09	2.32			4.41	1.11	47165
May-17	62.81	2.55	2.04			4.59	0.80	44790
Jun-17	62.19	2.46	3.06			5.52	1.24	18028
Jul-17	61.90	3.68	2.29			5.97	0.62	15227
Aug-17	62.80	2.69	2.00			4.69	0.74	7496
Sep-17	63.08	2.28	1.85			4.13	0.81	48458
Oct-17	63.13	2.14	2.09	6.70	28.50	4.23	0.98	87800
Nov-17	63.10	2.19	2.07	8.00	29.30	4.26	0.95	61284
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.89	2.32	2.17	6.70	28.50	4.49	0.94	330248

मनोहरपुर

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.78	2.49	2.21	8.13	36.75	4.70	0.89	154296
APP 17-18	63.00	2.40	2.60	5.00	40.00	5.00	1.08	300000
Apr-17	62.54	2.30	2.77	7.80	38.00	5.07	1.20	14361
May-17	63.10	1.80	2.40			4.20	1.33	3898
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17	62.15	3.20	2.70	5.50	27.50	5.90	0.84	7716
Nov-17	62.67	2.69	2.19	4.50	31.00	4.88	0.81	10045
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.55	2.53	2.57	5.76	30.49	5.10	1.02	36020

तल्डीह

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	60.11	4.27	4.74	4.27	4.74	9.01	1.11	9608
APP 17-18	62.00	3.10	3.10	5.00	40.00	6.20	1.00	350000
Apr-17								
May-17								
Jun-17								
Jul-17								
Aug-17								
Sep-17								
Oct-17								
Nov-17								
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML								

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

बोलानी

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	64.30	1.39	2.41	24.06	10.21	3.80	1.73	449000
APP 17-18	62.60	2.40	2.50	10.00	10.00	4.90	1.04	500000
Apr-17	62.71	2.27	3.62	28.20	10.70	5.89	1.59	25560
May-17								
Jun-17	63.84	3.32	2.97	23.03	7.02	6.29	0.89	61123
Jul-17	60.57	6.05	2.73	15.81	29.97	8.78	0.45	35137
Aug-17	61.95	4.42	2.29	17.78	19.03	6.71	0.52	58364
Sep-17	63.29	2.77	2.47	14.79	24.21	5.24	0.89	41767
Oct-17	62.85	2.64	3.17	10.58	9.79	5.81	1.20	32700
Nov-17	62.48	2.59	3.54	5.75	0.72	6.13	1.37	59580
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.41	3.51	3.13	7.25	5.46	6.64	0.89	314231

गुआ

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.51	2.20	2.53	23.63	9.48	4.73	1.15	276000
APP 17-18	62.50	2.70	2.60	10.00	10.00	5.30	0.96	300000
Apr-17	63.84	1.54	2.61	27.15	8.35	4.15	1.69	39740
May-17								
Jun-17	61.77	4.04	3.21	16.66	6.55	7.25	0.79	10273
Jul-17								
Aug-17								
Sep-17	64.18	1.09	2.19	24.32	15.78	3.28	2.01	
Oct-17								
Nov-17								
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.88	3.17	2.44	24.09	10.56	5.61	0.77	50013

मेघाहातुबुरु

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.65	2.84	2.77	7.88	47.01	5.61	0.98	3300
APP 17-18	62.50	3.00	2.50	15.00	15.00	5.50	0.83	
Apr-17								
May-17								
Jun-17	62.56	2.33	3.68	23.71	27.89	6.01	1.58	10328
Jul-17	62.08	3.22	4.13	4.83	37.24	7.35	1.28	19992
Aug-17	62.04	3.42	3.44	8.77	34.24	6.86	1.01	31756
Sep-17	61.19	4.59	3.64	8.22	43.64	8.23	0.79	27812
Oct-17	61.53	3.62	3.24	14.00	36.47	6.86	0.90	21800
Nov-17	61.19	4.23	4.30	8.86	31.70	8.53	1.02	4012
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	61.79	3.59	3.89	9.12	35.52	7.48	1.08	115700

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

बोलानी

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.09	2.84	3.83	10.92	41.61	6.67	1.35	828000
APP 17-18	62.70	2.80	2.90	10.00	30.00	5.70	1.04	900000
Apr-17	61.33	3.10	4.44	14.78	45.87	7.54	1.43	100578
May-17	61.62	2.41	4.36	14.61	45.91	6.77	1.81	76902
Jun-17	60.59	3.58	4.39	25.46	32.59	7.97	1.23	114424
Jul-17	61.72	3.28	4.10	8.84	36.67	7.38	1.25	75040
Aug-17	62.41	3.23	3.35	9.36	33.71	6.58	1.04	137700
Sep-17	62.16	3.58	3.38	15.36	32.40	6.96	0.94	73357
Oct-17	61.68	3.87	3.37	10.30	35.39	7.24	0.87	62564
Nov-17	61.93	3.47	3.69	7.45	35.65	7.16	1.06	87821
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	61.67	3.32	3.86	8.98	37.27	7.18	1.16	728386

गुआ

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.02	2.72	2.95	7.32	48.38	5.67	1.08	1221000
APP 17-18	62.50	2.90	2.80	5.00	40.00	5.70	0.97	1900000
Apr-17	62.34	2.72	3.69	11.85	48.27	6.41	1.36	106482
May-17	62.40	2.55	3.80	11.71	50.47	6.35	1.49	78896
Jun-17	62.49	2.91	3.05	14.42	47.00	5.96	1.05	105838
Jul-17	62.98	3.11	2.82	2.10	46.05	5.93	0.91	85783
Aug-17	63.63	2.76	2.41	4.83	49.34	5.17	0.87	118524
Sep-17	63.22	2.75	2.69	7.45	49.51	5.44	0.98	79242
Oct-17	63.10	2.76	2.75	6.31	52.14	5.51	1.00	125274
Nov-17	62.73	3.28	2.52	3.76	54.04	5.80	0.77	96654
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.88	2.84	2.96	6.57	49.54	5.80	1.04	796693

मनोहरपुर

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	64.40	1.23	2.99	26.11	7.83	4.22	2.43	103000
APP 17-18	63.00	2.00	2.20	10.00	10.00	4.20	1.10	150000
Apr-17	63.93	1.82	2.73	26.30	6.70	4.55	1.50	6600
May-17								
Jun-17	61.34	4.69	4.70	12.42	21.63	9.39	1.00	13170
Jul-17								
Aug-17								
Sep-17								
Oct-17	63.00	1.41	4.57	9.26	8.89	5.98	3.24	3300
Nov-17	62.20	2.43	2.90	17.86	1.50	5.33	1.19	3300
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.48	2.53	3.45	16.93	8.04	5.98	1.36	26370

BLEND QUALITY BASED ON RECEIPT AT PLANTS

BLEND		गुणवत्ता :: बोकारो लम्प						
	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	63.76	2.35	1.99	15.91	23.64	4.34	0.85	1814533
APP 17-18	62.70	2.65	2.50	12.00	13.00	5.15	0.94	2700000
Apr-17	63.02	2.51	1.98	17.70	23.06	4.49	0.79	195954
May-17	62.81	2.28	2.11	16.75	22.75	4.39	0.92	164245
Jun-17	63.19	2.30	1.94	15.03	21.19	4.24	0.84	176627
Jul-17	63.35	2.75	1.72	13.74	22.16	4.47	0.63	144606
Aug-17	63.09	3.24	1.60	15.65	19.79	4.84	0.49	168431
Sep-17	63.03	3.19	1.75	14.52	18.83	4.94	0.55	183037
Oct-17	63.24	2.95	1.67	10.17	22.12	4.62	0.57	190136
Nov-17	63.16	2.94	1.72	10.96	18.65	4.67	0.59	202148
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.10	2.78	1.84	14.26	21.00	4.62	0.66	1425184

BLEND		गुणवत्ता:: दुर्गापुर लम्प						
	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.75	2.69	1.98	11.04	18.50	4.67	0.74	1381211
APP 17-18	62.60	2.50	2.50	10.00	10.00	5.00	1.00	1300000
Apr-17	62.75	2.88	1.81	12.74	18.79	4.69	0.63	74973
May-17	62.68	1.82	1.95	11.40	21.48	3.77	1.07	91278
Jun-17	62.69	2.08	2.04	8.27	17.12	4.12	0.98	109679
Jul-17	62.80	2.93	1.69	7.94	16.24	4.62	0.58	128060
Aug-17	62.58	3.45	1.41	17.20	14.72	4.86	0.41	144189
Sep-17	62.56	3.39	1.60	18.56	14.73	4.99	0.47	129827
Oct-17	62.52	2.71	1.73	11.86	16.83	4.44	0.64	121235
Nov-17	62.53	2.69	1.99	10.23	15.11	4.68	0.74	103309
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.63	2.80	1.75	12.53	16.58	4.55	0.62	902550

BLEND		गुणवत्ता :: बोकारो फाईन्स						
	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.63	3.35	2.56	7.50	35.43	5.91	0.76	3382001
APP 17-18	62.40	3.20	2.80	8.00	32.00	6.00	0.88	4200000
Apr-17	61.98	3.19	2.74	6.94	35.92	5.93	0.86	281001
May-17	61.69	3.16	2.75	6.48	35.78	5.91	0.87	280619
Jun-17	62.08	3.10	2.70	6.81	35.10	5.80	0.87	357368
Jul-17	62.37	3.69	2.22	7.28	34.11	5.91	0.60	265203
Aug-17	62.71	3.45	1.91	7.30	31.60	5.36	0.55	318627
Sep-17	62.53	3.58	2.06	5.57	30.84	5.64	0.58	330037
Oct-17	62.52	3.48	2.12	5.31	31.35	5.60	0.61	296351
Nov-17	62.61	3.12	2.23	5.34	33.11	5.35	0.72	334312
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.32	3.36	2.33	6.34	33.44	5.69	0.70	2463518

BLEND		गुणवत्ता:: दुर्गापुर फाईन्स						
	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.97	2.88	2.23	6.36	44.13	5.11	0.77	2205352
APP 17-18	62.60	2.90	2.90	9.00	32.00	5.80	1.00	2400000
Apr-17	62.74	2.90	2.49	4.34	49.64	5.39	0.86	160063
May-17	62.76	2.31	2.34	6.71	43.01	4.66	1.01	166026
Jun-17	62.73	2.46	2.47	5.11	40.19	4.93	1.00	136345
Jul-17	63.51	2.99	1.80	3.77	46.98	4.80	0.60	202620
Aug-17	63.89	2.90	1.37	3.62	46.28	4.28	0.47	215079
Sep-17	63.60	2.66	1.67	3.83	43.00	4.34	0.63	184997
Oct-17	63.38	3.14	1.83	3.89	43.48	4.97	0.58	216526
Nov-17	63.37	2.63	1.79	3.69	44.83	4.42	0.68	197984
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	63.30	2.78	1.92	4.28	44.80	4.70	0.69	1479640

गुणवत्ता :: राउरकेला		लम्प						
BLEND	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.80	2.50	2.13	18.48	18.77	4.63	0.85	1994671
APP 17-18	62.80	2.50	2.50	11.00	13.00	5.00	1.00	2000000
Apr-17	63.02	2.15	2.23	19.70	19.74	4.39	1.04	206139
May-17	62.98	2.26	2.25	18.73	19.73	4.51	1.00	216151
Jun-17	62.73	2.37	2.47	17.89	19.96	4.84	1.04	150172
Jul-17	62.40	2.81	2.51	16.47	19.09	5.32	0.89	167055
Aug-17	62.47	2.99	2.36	14.92	19.40	5.35	0.79	204901
Sep-17	62.70	2.68	2.35	10.44	19.18	5.03	0.88	192977
Oct-17	62.52	2.84	2.71	8.69	19.71	5.54	0.95	101930
Nov-17	62.89	2.65	2.36	8.21	19.01	5.01	0.89	161963
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.73	2.57	2.37	14.99	18.84	4.95	0.92	1401288

गुणवत्ता :: बर्नपुर इस्पात संयंत्र		लम्प						
BLEND	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	64.03	1.68	2.52	23.69	9.73	4.20	1.50	678978
APP 17-18	62.60	2.45	2.50	10.00	10.00	4.95	1.02	1150000
Apr-17	63.45	1.83	2.98	27.45	9.03	4.81	1.63	71900
May-17								
Jun-17	63.20	3.62	3.27	20.60	9.24	6.89	0.90	84566
Jul-17	60.57	6.05	2.73	15.81	29.97	8.78	0.45	35137
Aug-17	61.95	4.42	2.29	17.78	19.03	6.71	0.52	58364
Sep-17	63.29	2.77	2.47	14.79	24.21	5.24	0.89	41767
Oct-17	62.52	2.76	3.53	10.24	9.97	6.29	1.28	42600
Nov-17	62.46	2.57	3.51	5.92	0.90	6.08	1.37	69420
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.44	3.40	3.11	9.95	6.37	6.50	0.91	403754

गुणवत्ता :: राउरकेला		फाईन्स						
BLEND	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.23	3.06	2.53			5.59	0.83	3156592
APP 17-18	62.50	2.95	2.75			5.70	0.93	4400000
Apr-17	62.16	2.82	2.64			5.46	0.94	272912
May-17	62.34	2.85	2.38			5.22	0.84	247507
Jun-17	62.07	2.87	2.86			5.73	1.00	217056
Jul-17	62.10	3.14	2.50			5.65	0.80	218220
Aug-17	61.83	3.73	2.43			6.16	0.65	214600
Sep-17	62.29	2.94	2.29			5.23	0.78	293374
Oct-17	62.37	2.79	2.58			5.37	0.92	324328
Nov-17	62.37	3.11	2.23			5.34	0.72	
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.22	2.98	2.51			5.49	0.84	2160022

गुणवत्ता :: बर्नपुर इस्पात संयंत्र		फाईन्स						
BLEND	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 16-17	62.63	2.77	3.30	8.77	45.69	6.07	1.19	2146780
APP 17-18	62.55	2.90	2.85	7.00	37.00	5.75	0.98	2900000
Apr-17	61.85	2.90	4.05	13.27	47.10	6.96	1.40	207060
May-17	62.01	2.48	4.08	13.14	48.22	6.56	1.64	155798
Jun-17	61.55	3.22	3.74	20.31	38.99	6.96	1.16	230590
Jul-17	62.36	3.19	3.50	5.20	41.18	6.69	1.10	180815
Aug-17	62.64	3.10	3.28	7.46	39.05	6.38	1.06	319628
Sep-17	62.48	3.37	3.12	10.78	41.65	6.49	0.92	180411
Oct-17	62.37	3.18	3.17	8.15	45.02	6.35	1.00	223550
Nov-17	62.32	3.39	3.10	5.59	45.00	6.49	0.92	188487
Dec-17								
Jan-18								
Feb-18								
Mar-18								
CUMML	62.22	3.11	3.49	7.80	42.79	6.61	1.12	1686339

भवनाथपुर

गुणवत्ता :: बोकारो इस्पात संयंत्र

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 16-17					
APP 17-18	43.00	5.00	6.50	15.00	10.00
Apr-17					
May-17					
Jun-17					
Jul-17					
Aug-17					
Sep-17					
Oct-17					
Nov-17					
Dec-17					
Jan-18					
Feb-18					
Mar-18					
CUMML					

गुणवत्ता :: बोकारो

तुलसीदामर

BF DOLOMITE

	CaO	MgO	SiO ₂	OS	US
Act 16-17	30.27	19.21	3.94	5.92	8.95
APP 17-18	30.00	18.00	5.00	5.00	10.00
Apr-17	27.13	17.02	6.03	11.65	13.30
May-17	27.97	17.13	5.53	8.70	10.33
Jun-17					
Jul-17					
Aug-17					
Sep-17	31.45	19.53	4.96	4.50	9.40
Oct-17	31.47	19.44	5.20	4.55	9.35
Nov-17					
Dec-17					
Jan-18					
Feb-18					
Mar-18					
CUMML	29.52	18.50	5.68	6.83	10.25

कुटेश्वर

गुणवत्ता :: बोकारो इस्पात संयंत्र

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 16-17	44.77	2.56	3.59	2.63	24.9
APP 17-18	50.00	2.25	3.50	5.00	5.00
Apr-17	44.02	2.90	3.74	2.17	27.19
May-17	44.93	2.86	3.46	3.53	28.13
Jun-17	47.67	2.43	3.23	2.67	27.16
Jul-17	46.71	2.78	3.27	3.28	25.16
Aug-17	46.11	2.72	3.39	3.95	25.24
Sep-17	46.06	2.70	3.22	3.77	23.48
Oct-17	45.74	3.20	3.58	4.62	24.53
Nov-17	45.34	2.90	3.41	5.02	31.26
Dec-17					
Jan-18					
Feb-18					
Mar-18					
CUMML	45.82	2.81	3.41	3.63	26.52

गुणवत्ता :: भिलाई

कुटेश्वर

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 16-17	49.81	2.15	3.92	7.05	17.88
APP 17-18	50.00	2.25	3.50	5.00	5.00
Apr-17	49.32	2.40	4.31	7.60	17.36
May-17	50.18	1.94	3.92	7.89	17.36
Jun-17	46.06	2.70	3.22	3.77	23.48
Jul-17	45.74	3.20	3.58	4.62	24.53
Aug-17	45.34	2.90	3.41	5.02	31.26
Sep-17	50.11	2.23	3.59	7.90	18.80
Oct-17	50.00	2.11	3.60	8.10	17.50
Nov-17	51.03	1.51	3.47	8.00	18.50
Dec-17					
Jan-18					
Feb-18					
Mar-18					
CUMML	50.42	1.88	3.74	7.27	17.97

PERFORMANCE REPORT OF HEMM



KIRIBURU MINES

PROJ. NO.	CUMM. UTILIS. UPTO OCT '17	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	NOVEMBER 2017										2017-18									
					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																								
BE-16	33713	BEML, BE-1000	4.5CU.M	24-Jun-05	600	600		0	0	0.00	0.00	0.00	0.00	0.00	3040	2972	8	68	60	2.24	88.24	1.97	0.00	0.00
TH-17	23146	TELCON, EX-1200	5.9 CU.M	18-Apr-07	600	600		0	0	0.00	0.00	0.00	0.00	0.00	4900	4900	0	0	0	0.00	0.00	0.00	0.00	0.00
BE-18	22680	BEML, BE-1000	4.5CU.M	31-Jul-08	600	600		0	0	0.00	0.00	0.00	0.00	0.00	4900	3605	525	1296	771	26.44	59.48	15.72	8.19	37.63
				SUB TOTAL	1800	1800	0	0	0	0.00	0.00	0.00	0.00	0.00	12840	11477	533	1364	831	10.82	60.91	6.47	7.59	34.91
EX-19	20319	KOMATSU PC2000-8	9.5 CU.M	14-Nov-11				0	0	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
EX-20	22036	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	600		353	600	247	100.00	41.17	41.17	5.57	61.74	4900	2409	1606	2491	885	50.84	35.53	18.06	5.57	70.74
EX-22	9337	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	600		363	600	237	100.00	39.50	39.50	7.54	72.15	4900	83	1629	4817	2988	98.31	62.03	60.98	5.30	66.94
EX-23	9501	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	600		191	600	409	100.00	68.17	68.17	5.30	86.14	4900	273	1352	4627	3275	94.43	70.78	66.84	5.62	68.63
*EX-19 shifted to MIOM during July 16				SUB TOTAL	1800	0	907	1800	893	100.00	49.61	49.61	5.97	66.82	14700	2765	4787	11936	7148	81.19	59.89	48.83	5.48	68.18
				TOTAL	3600	1800	907	1800	893	60.00	49.61	24.81	5.97	66.82	27540	14242	5320	13299	7979	48.29	60.00	28.97	5.70	64.72
DUMPERS																								
DUM-80	21621	BEML, 210M	50Te	25-Aug-03				0	0	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
DUM-81	21980	BEML, 210M	50Te	31-Aug-03				0	0	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
DUM-82	26351	BEML, 210M	50Te	13-Apr-04				0	0	0.00	0.00	0.00	0.00	0.00	1220	1220	0	0	0	0.00	0.00	0.00	0.00	0.00
DUM-84	24252	BEML, 210M	50Te	6-Apr-07				0	0	0.00	0.00	0.00	0.00	0.00	1220	1220	0	0	0	0.00	0.00	0.00	0.00	0.00
DUM-85	21323	BEML, 210M	50Te	6-Apr-07				0	0	0.00	0.00	0.00	0.00	0.00	1220	1220	0	0	0	0.00	0.00	0.00	0.00	0.00
DUM-86	21753	BEML, 210M	50Te	10-Jul-07				0	0	0.00	0.00	0.00	0.00	0.00	1220	1220	0	0	0	0.00	0.00	0.00	0.00	0.00
				TOTAL	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	4880	4880	0	0	0	0.00	0.00	0.00	0.00	0.00
DUMPER, 85 TE DUM-87	13945	BEML, BH-85	85Te	30-Mar-08	600	600		0	0	0.00	0.00	0.00	0.00	0.00	4280	2814	369	1466	1097	34.25	74.83	25.63	2.30	27.39
				TOTAL	600	600	0	0	0	0.00	0.00	0.00	0.00	0.00	4280	2814	369	1466	1097	34.25	74.83	25.63	2.30	27.39
DUM 88	28683	KOMATSU HD785-7	100 Te	23-Jul-10				0	0	0.00	0.00	0.00	0.00	0.00	4300	1221	1142	3079	1937	71.60	62.91	45.05	3.85	43.16
DUM 89	31082	KOMATSU HD785-7	100Te	23-Jul-10				0	0	0.00	0.00	0.00	0.00	0.00	4300	817	1454	3483	2029	81.00	58.25	47.19	3.75	50.77
DUM-91	17626	CAT 777D	100T	2-Feb-12				0	0	0.00	0.00	0.00	0.00	0.00	4300	539	2670	3761	1091	87.47	29.01	25.37	4.06	47.45
DUM-92	20487	CAT 777D	100T	2-Feb-12	600	594	0	6	6	1.00	100.00	1.00	1.67	0.00	4900	4234	429	666	237	13.59	35.59	4.84	3.25	35.93
DUM-93	5984	BEML BH-100	100T	2-May-15	600	17	328	583	255	97.17	43.74	42.50	3.67	39.80	4900	353	3100	4547	1447	92.80	31.82	29.53	4.12	47.33
DUM-94	3498	BEML BH-100	100T	2-May-15	600	13	379	587	208	97.83	35.43	34.67	4.88	46.15	4900	2697	1448	2203	755	44.96	34.27	15.41	3.84	47.75
DUM-95	3299	BEML BH-100S	100T	May 2016	600	18	413	582	169	97.00	29.04	28.17	5.29	46.15	4900	464	2143	4436	2293	90.53	51.69	46.80	3.40	45.03
				TOTAL	2400	642	1120	1768	838	73.25	36.29	26.58	4.47	84.80	32500	10325	12386	22175	9789	68.23	44.14	30.12	3.77	46.45
DRILL																								
DM-17	21570	IR-ROTACOL-IDM-30	160mm	24-Mar-05	480	186	179	294	115	61.25	39.12	23.96	0.00	30.43	3920	2881	639	1039	400	26.51	38.50	10.20	6.53	60.58
DM-18	23756	AC-ROTACOL-IDM-30	160mm	19-May-08	480	456	16	24	8	5.00	33.33	1.87	0.00	12.50	3920	2732	559	1188	629	30.31	52.95	16.05	0.00	52.54
DM-19	18768	AC-ROTACOL-IDM-30	160mm	14-Oct-09	480	480	0	0	0	0.00	0.00	0.00	0.00	0.00	3920	3920	0	0	0	0.00	0.00	0.00	0.00	0.00
DM-20	8583	AC-ROTACOL-IDM-30	160mm	Oct '14	480	103	142	377	235	78.54	62.33	48.96	0.00	22.77	3920	635	1157	3285	2128	83.80	64.78	54.29	6.25	43.81
				TOTAL	1920	1226	337	696	368	36.20	51.51	18.85	0.00	25.00	15880	10168	2355	5512	3167	35.16	57.28	20.13	5.04	47.87
DOZER																								
DOZ-27	31493	BEML, D-355	410HP	15-May-01	480	196	196	284	88	59.17	30.99	18.33		19.32	3920	897	1748	3023	1275	77.12	42.18	32.53		23.82
DOZ-28	23871	BEML, D-355	410HP	14-May-04	480	480	0	0	0	0.00	0.00	0.00		0.00	3920	3920	0	0	0	0.00	0.00	0.00		0.00
DOZ-28	18367	BEML, D-355	410HP	11-Jun-04	480	480	0	0	0	0.00	0.00	0.00		0.00	3920	3920	0	0	0	0.00	0.00	0.00		0.00
DOZ-30	18088	BEML, D-355	410HP	8-Jul-07	480	16	350	464	114	96.67	24.57	23.75		37.72	3920	695	2091	3225	1135	82.27	35.18	28.94		35.70
DOZ-31	16299	BEML, D-355	410 HP	19-Feb-08	480	0	349	480	131	100.00	27.29	27.29		45.42	3920	442	2218	3479	1261	88.74	36.24	32.16		38.47
DOZ-32	4208	BEML, D-355	410 HP	17-Apr-15	480	480	0	0	0	0.00	0.00	0.00		0.00	3920	1374	1395	2547	1152	64.96	45.22	29.38		36.42
DOZ-33		BEML, D-356	410HP	22-Sep-17	480	0	242	480	238	100.00	49.58	49.58		38.45	1120	21	561	1099	538	98.13	48.95	48.04		37.64
				TOTAL	3360	1652	1137	1708	571	60.83	33.43	16.99		20.93	23520	11288	7462	12252	4801	52.09	39.18	20.41		33.86
PAY LOADER																								
FEL-4	7783	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	240	92	79	148	69	61.67	46.62	28.75		28.99	1960	913	591	1047	456	53.42	43.55	23.27		15.86
MG-6	14317	BEML, GD-805R2	145 HP	9-Oct-87	240		0	240	240	100.00	100.00	100.00		0.00	240	0	0	240	240	100.00	100.00			0.00
MG-7	6860	BEML, BG 825	280HP	10-Jul-91	240	240		0	0	0.00	0.00	0.00		0.00	1960	1960	0	0	0	0.00	0.00	0.00		0.00
MG-8	3265	BEML, BG825	280HP	19-May-12	240	67	141	173	32	72.08	18.50	13.33		34.38	1960	1387	386	573	187	29.23	32.64	9.54		23.26
				TOTAL	720	307	141	413	272	57.36	65.86	37.78		4.04	4160	3347	386	813	427	19.54	52.82	10.26		10.19

MEGHAHATUBURU IRON ORE MINES

PERFORMANCE REPORT OF HEMM

PROJ. NO.	CUMM. UTILIS. UPTO MAR'17	CUMM. UTILIS. UPTO APR'17	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	NOVEMBER 2016										2017-2018 TOTAL									
						SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT% net	OPRN UT %	FEED RATE	HSD/HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT% net	Oprn UT %	FEED RATE / Hr.	HSD/HR
EXCAVATORS																									
4.5 CUM.																									
BE-11	36279.00	35713	BEML	4.5 CUM	30-09-2005	720.00	566.00	77.00	154.00	77.00	21%	11%	50%	2.26	31.17	5856.00	3770.50	1652.00	2085.50	433.50	35.61%	7.40%	20.79%	1	32.69
	36279.00			4.5 CUM	TOTAL	720.00	566.00	77.00	154.00	77.00	21%	11%	50%	2.26	31.17	5856.00	3770.50	1652.00	2085.50	433.50	35.61%	7.40%	20.79%	1	32.69
under replcement																									
9.5 CUM.																									
PC-14	24670.00	27055	KOMATSU	9.5 CUM	20-01-2012	720.00	171.00	192.00	549.00	357.00	76%	50%	85%	14.58		5856.00	1820.50	1650.50	4035.50	2385.00	68.91%	40.73%	59.10%	15	75.73
PC-17	7730.00	10661	KOMATSU	9.5 CUM	24-07-2016	720.00	107.00	176.00	613.00	438.00	85%	61%	71%			5856.00	1292.50	1732.50	4563.50	2831.00	77.93%	48.34%	62.04%	14	77.18
PC-18	21740.00	24189	KOMATSU	9.5 CUM	11-07-2016	720.00	364.00	226.00	356.00	130.00	49%	18%	37%			5856.00	1453.50	1953.50	4402.50	2449.00	75.18%	41.82%	55.63%	14	77.79
	24670.00			9.5 CUM	TOTAL	2160.00	642.00	593.00	1518.00	925.00	70%	43%	61%	14.05	0.00	17568.00	4566.50	5336.50	13001.50	7665.00	74.01%	43.63%	58.95%	14	76.92
under replcement																									
DUMPER,50 TE																									
D - 43		0	BEML	50 TON	29-09-2004			0.00	0.00		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#REF!	0.00	0.00	0.00	0.00	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
D - 49	27430.60	27463	BEML	50 TON	05-03-2007	720.00	720.00	0.00	0.00	0.00	0%	0%	#DIV/0!	#DIV/0!	#REF!	5856.00	4452.00	1371.50	1404.00	32.50	23.98%	0.55%	2.31%	2	20.00
D - 50	23855.10	23879	BEML	50 TON	15-04-2007	720.00	720.00	0.00	0.00	0.00	0%	0%	#DIV/0!	#DIV/0!	#DIV/0!	5856.00	5731.50	100.50	124.50	24.00	2.13%	0.41%	18.28%	3	25.00
	51285.70			50 TON	TOTAL	1440.00	1440.00	0.00	0.00	0.00	0%	0%	#DIV/0!	#DIV/0!	#DIV/0!	11712.00	10183.50	1472.00	1528.50	56.50	13.05%	0.48%	3.70%	2	22.12
equipments replaced by 2two100 tonner																									
DUMPER,100 TE																									
D - 51	21905.00	24057	KOMATSU	100 TON	01-09-2010	720.00	141.00	167.00	579.00	412.00	80%	57%	71%	3.84		5856.00	2536.00	1168.50	3320.00	2151.50	56.69%	36.74%	64.80%	4	33.79
D - 52	23740.00	26498	KOMATSU	100 TON	01-09-2010	720.00	193.00	178.00	527.00	349.00	73%	48%	68%	3.79		5856.00	1619.00	1479.50	4237.00	2757.50	72.35%	47.09%	65.08%	4	34.96
D - 53	23603.00	25558	KOMATSU	100 TON	01-09-2010	720.00	235.00	207.00	485.00	278.00	67%	39%	57%	3.91		5856.00	2633.50	1268.00	3222.50	1954.50	55.03%	33.38%	60.66%	4	35.61
D - 54	13084.00	13783	CATER	100 TON	06-02-2012	720.00	329.00	338.50	381.00	52.50	54%	7%	13%	3.49		5856.00	1758.50	3398.50	4097.50	699.00	69.97%	11.94%	17.06%	4	39.27
D - 55	14294.00	15598	CATER	100 TON	06-02-2012	720.00	266.00	319.00	454.00	135.00	63%	19%	30%	4.10		5856.00	1404.50	3148.00	4451.50	1303.50	76.02%	22.28%	29.28%	4	38.90
D - 56	1520.00	3488	BEML	100 TON	09-05-2016	720.00	205.00	296.00	515.00	219.00	72%	30%	43%	3.89		5856.00	1367.00	2521.50	4489.00	1967.50	78.66%	33.60%	43.83%		39.31
D - 57	1520.00	3914	BEML	100 TON	09-05-2016	720.00	133.00	228.00	587.00	359.00	82%	50%	61%	2.81		5856.00	1508.50	1954.00	4347.50	2393.50	74.24%	40.87%	55.05%		35.30
				100 TON	TOTAL	5040.00	1502.00	1733.50	3538.00	1804.50	70%	36%	61%	3.65	34.28	40992	12827	14938.00	28165	13227	68.71%	32.27%	46.96%	4	36.19
DRILL																									
DM - 7	21927.00	22899	IR	6 " DIA	01-04-2005	360.00	103.00	95.00	257.00	162.00	71%	45%	63%	4.48	32.41	2928.00	1107.50	848.50	1820.50	972.00	62.18%	33.20%	53.39%	4	32.97
DM - 8	17915.50	18825	IR	6 " DIA	05-05-2008	360.00	102.00	110.50	258.00	147.50	72%	41%	57%	16.13	31.19	2928.00	1445.50	573.50	1482.50	909.00	50.63%	31.05%	61.32%	11	32.51
DM - 9	16428.00	17715	IR	6 " DIA	16-09-2009	360.00	169.50	58.00	200.50	142.50	56%	40%	71%	12.97	35.09	2928.00	949.50	692.00	1978.50	1286.50	67.57%	43.94%	65.02%	12	32.45
DM - 10	6578.50	8524	IR	6 " DIA	06-11-2014	360.00	47.00	72.00	313.00	241.00	87%	67%	77%	17.96	33.20	2928.00	495.00	488.00	2433.00	1945.00	83.09%	66.43%	79.94%	13	33.11
			3		TOTAL	1440.00	411.50	335.50	1028.50	693.00	71%	48%	67%	13.39	32.97	11712.00	3997.50	2602.00	7714.50	5112.50	65.87%	43.65%	66.27%	11	32.81
DOZER																									
DOZ-21	13271.00	13271	BEML	410 HP	04.11.05	720.00	720.00	0.00	0.00	0.00	0%	0%	#DIV/0!		#DIV/0!	5856.00	5856.00	0.00	0.00	0.00	0.00%	0.00%	#DIV/0!		#DIV/0!
DOZ-22	19095.50	20561	BEML	410 HP	01-01-2007	720.00	252.00	361.00	468.00	107.00	65%	15%	23%		23.36	5856.00	2388.50	2002.00	3467.50	1465.50	59.21%	25.03%	42.26%		22.96
DOZ-23	17767.00	18841	BEML	410 HP	02-10-2008	720.00	264.50	178.50	455.50	277.00	63%	38%	61%		24.91	5856.00	3431.50	1350.50	2424.50	1074.00	41.40%	18.34%	44.30%		25.98
DOZ-24	13099.50	14991	BEML	410 HP	06-04-2010	720.00	235.50	178.00	484.50	306.50	67%	43%	63%		23.98	5856.00	2493.50	1471.50	3362.50	1891.00	57.42%	32.29%	56.24%		23.96
DOZ-25	7543.00	7543	BEML	410 HP	28-12-2010	720.00	720.00	0.00	0.00	0.00	0%	0%	#DIV/0!		#DIV/0!	5856.00	5856.00	0.00	0.00	0.00	0.00%	0.00%	#DIV/0!		#DIV/0!
DOZ-26	12539.00	14221	BEML	410 HP	16-05-2011	720.00	325.00	218.00	395.00	177.00	55%	25%	45%		24.29	5856.00	2786.50	1387.50	3069.50	1682.00	52.42%	28.72%	54.80%		24.08
DOZ-27	4807.00	7284	BEML	410 HP	28-04-2015	720.00	243.00	190.50	477.00	286.50	66%	40%	60%		23.73	5856.00	1777.50	1601.50	4078.50	2477.00	69.86%	42.30%	60.73%		24.44
			6		TOTAL	5040.00	2760.00	1126.00	2280.00	1154.00	45%	23%	51%		24.26	40992.00	24589.50	7813.00	16402.50	8589.50	40.01%	20.95%	52.37%		24.22
PAY LOADER																									
PL - 03	3985.40	3985	HYUNDAI	3.7 CU.M	18-09-2012	720.00	720.00	0.00	0.00	0.00	0%	0%	#DIV/0!	#DIV/0!	#DIV/0!	5856.00	5856.00	0.00	0.00	0.00	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!
	3985.40				TOTAL	720.00	720.00	0.00	0.00		0%	0%	#DIV/0!	#DIV/0!	#DIV/0!	5856.00	5856.00	0.00	0.00	0.00	0.00%	0.00%	#DIV/0!	#DIV/0!	#DIV/0!

PERFORMANCE REPORT OF HEMM



BOLANI MINES

PROJ. NO.	CUMM. UTILIS. UPTO SEPT '17	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	NOVEMBER 2017										2017-18											
					SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/ HR
EXCAVATORS																										
EX-25	33140	BEML PC-1000(D)	4.5 CuM	21-Jun-04	720	480	72	240	168	33.33	70.00	23.33		0.00	0.00	5856	938	3916	4918	1002	83.98	20.38	17.11	3129	3.12	17.08
EX-26	30019	BEML PC-1000(D)	4.5 CuM	24-Jun-05	720	48	485	672	187	93.33	27.83	25.97		0.00	7.91	5856	1337	3867	4519	652	77.17	14.43	11.13	358	0.55	11.23
				SUB TOTAL	1440	528	557	912	355	63.33	38.93	24.65		0.00	4.17	11712	2275	7783	9437	1654	80.58	17.53	14.12	3487	2.11	14.78
EX-28	14661	BE-1600	7.5 Cu.m	22-Jun-10	720	64	447	657	210	91.18	31.99	29.17		0.00	20.58	5856	3169	2078	2687	609	45.88	22.66	10.40	363	0.60	13.90
EX-29	23298	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	720	36	415	684	269	94.98	39.39	37.41	509	1.89	30.35	5856	600	3960	5256	1297	89.76	24.67	22.14	5281	4.07	44.58
EX-30	10025	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	720	26	297	695	398	96.46	57.30	55.27	1589	3.94	61.89	5856	442	2393	5414	3021	92.46	55.80	51.59	15871	5.25	60.26
EX-31	8235	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	720	35	275	685	410	95.17	59.83	56.94	1580	3.85	63.17	5856	441	2486	5415	2929	92.47	54.10	50.02	14944	5.10	58.35
				SUB TOTAL	2880	160	1433	2720	1287	94.45	47.32	44.70	3658	2.84	48.96	23424	4652	10917	18772	7856	80.14	41.85	33.54	36459	4.64	53.37
				TOTAL	4320	688	1990	3632	1642	84.08	45.22	38.02	3658	2.23	39.28	35136	6927	18699	28209	9510	80.29	33.71	27.07	39946	4.20	46.65
DUMPER,50 TE																										
HP-27	19282	BEML HP-210M	50 T	09-Sep-03	720	504	48	216.00	168.00	30.00	77.78	23.33		0.00	0.00	5856	1101	3733	4755	1023	81.21	21.51	17.46	3049	2.98	9.65
HP-30	17263	CJ.773D(I)	50 T	01-Mar-06	720	256	284	464.00	180.00	64.44	38.79	25.00		0.00	3.33	5856	4479	1134	1378	243	23.52	17.66	4.16	56	0.23	7.60
HP-31	15700	BEML BH-50M	50 T	06-Mar-08	720	720	0	0.00	0.00	0.00	0.00	0.00		0.00	0.00	5832	5832	0	0	0	0.00	0.00	0.00	0	0.00	0.00
HP-32	22299	BEML BH-50M	50 T	06-Mar-08	720	552	0	168.00	168.00	23.33	100.00	23.33		0.00	0.00	5856	4092	1473	1764	292	30.13	16.53	4.98	226	0.77	7.58
				TOTAL	2880	2032	332	848.00	516.00	29.44	60.85	17.92	0	0.00	1.16	24888	15503	6340	9385	3046	37.71	32.45	12.24	3331	1.09	4.57
DUMPER,100 TE																										
HP-32A	25379	KOMATSU HD785-7	100 T	22-Jun-10	720	25	251	695.00	443.75	96.53	63.85	61.63	1063	2.40	29.61	5856	2607	1448	3249	1801	55.48	55.43	30.75	4673	2.59	29.24
HP-34	24891	KOMATSU HD785-7	100 T	22-Jun-10	720	279	136	441.00	305.42	61.25	69.26	42.42	129	0.42	25.93	5856	1280	2119	4576	2457	78.14	53.68	41.95	6269	2.55	32.07
HP-35	15097	BEML BH-100	100 T	22-Jun-10	720	85	350	635.00	284.92	88.19	44.87	39.57	64	0.22	20.03	5856	1626	3163	4230	1067	72.23	25.22	18.22	1474	1.38	23.58
HP-38	10967	BEML BH-100	100 T	22-Jun-10	720	711	8	9.00	1.00	1.25	11.11	0.14	0	0.00	0.00	5856	5734	116	123	7	2.09	5.71	0.12	32	4.57	63.00
HP-37	16430	CAT 777D	100 T	25-Jan-12	720	383	135	337.50	202.67	46.88	60.05	28.15	3	0.01	5.72	5856	3920	1221	1936	715	33.06	36.91	12.20	1348	1.89	20.06
HP-38	5872	BEML BH-100S	100 T	03-May-16	720	218	228	502.33	273.91	69.77	54.53	38.04	127	0.46	26.27	5856	1061	2383	4795	2412	81.88	50.31	41.19	6500	2.89	31.23
HP-39	4791	BEML BH-100S	100 T	03-May-16	720	86	240	633.75	393.75	88.02	62.13	54.69	138	0.35	27.20	5856	1597	2179	4259	2080	72.73	48.85	35.52	4911	2.36	29.22
HP-40	4947	BEML BH-100S	100 T	03-May-16	720	470	73	250.50	177.50	34.79	70.86	24.65	52	0.29	19.43	5856	1399	2346	4457	2111	76.11	47.36	36.05	5344	2.53	29.66
				TOTAL	5760	2256	1421	3504.08	2082.92	80.83	59.44	36.16	1576	0.76	23.66	46848	19224	14975	27624	12650	58.97	45.79	27.00	30551	2.42	29.26
DRILL																										
DM-11	14722	AC-ROTACOL-IDM-30	160mm	14-Feb-08	480	64	222	416.00	194.00	86.67	46.63	40.42	884	4.56	5.26	3904	690	2570	3214	644	82.32	20.02	16.48	3904	6.07	12.22
DM-12	16147	AC-ROTACOL-IDM-30	160mm	12-Aug-09	480	190	128	289.58	161.25	60.33	55.68	33.59	651	4.04	13.48	3992	882	1626	3110	1484	77.91	47.71	37.17	13088	8.82	21.94
DM-12A	14018	AC-ROTACOL-IDM-30	160mm	22-Mar-11	480	45	201	435.25	234.00	90.68	53.76	48.75	1383	5.91	19.67	3920	650	2184	3070	886	78.31	28.85	22.59	6074	6.86	18.04
DM-14	6521	AC-ROTACOL-IDM-30	160mm	19-Nov-14	480	31	152	449.50	297.25	93.65	66.13	61.93	1869	6.29	17.08	3984	649	1580	3335	1756	83.72	52.64	44.07	18507	10.54	22.26
				TOTAL	1920	330	704	1590.33	886.50	82.83	55.74	46.17	4787	5.40	14.52	15800	3071	7961	12729	4768	80.56	37.46	30.18	41573	8.72	20.02
DOZER																										
DOZ-21	20029	BEML BD355	410 HP	10-May-04	632	632	0	0.00	0.00	0.00	0.00	0.00			0.00	5192	5112	80	80	0	1.54	0.00	0.00			0.00
DOZ-22	13575	BEML BD355	410 HP	06-Jul-07	520	24	401	496.00	94.90	95.38	19.13	18.25			34.04	4008	306	2716	3703	988	92.38	26.64	24.61			30.38
DOZ-23	9964	BEML BD355	410 HP	27-Aug-08	480	480	0	0.00	0.00	0.00	0.00	0.00			0.00	4504	3312	967	1192	225	26.47	18.86	4.99			43.53
DOZ-24	11373	BEML BD355	410 HP	09-Mar-10	544	96	334	448.00	113.90	82.35	25.42	20.94			36.79	4056	724	2034	3333	1299	82.16	38.98	32.02			29.17
DOZ-25	10376	BEML BD355	410 HP	09-Mar-10	632	632	0	0.00	0.00	0.00	0.00	0.00			0.00	4952	3841	858	1111	252	22.43	22.72	5.10			33.78
DOZ-26	6547	BEML BD355	410 HP	03-May-14	488	26	183	462.50	279.50	94.77	60.43	57.27			17.99	3912	1065	1535	2847	1312	72.78	46.08	33.54			29.45
DOZ-27	5506	BEML BD355	410 HP	03-May-14	480	168	111	312.00	201.00	65.00	64.42	41.88			23.00	5448	4092	927	1356	429	24.89	31.64	7.88			27.83
DOZ-28	3397	BEML BD356	410 HP	26-Apr-16	720	8	529	712.00	183.00	98.89	25.70	25.42			48.49	5848	899	3826	4949	1123	84.63	22.70	19.21			43.20
				TOTAL	4496	2066	1558	2430.50	872.30	54.06	35.89	19.40			29.74	37920	19350	12943	18570	5627	46.97	30.30	14.84			32.93
PAY LOADER																										
PL-20	12794	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	720	720	0	0.00	0.00	0.00	0.00	0.00			0.00	5856	4412	1421	1444	23	24.66	1.61	0.40			69.91
PL-22	10867	Hyundai-hi770-7A	280 HP	26-May-10	720	720	0	0.00	0.00	0.00	0.00	0.00			0.00	5856	2136	3052	3720	688	63.52	17.95	11.40			16.73
PL-23	8113	Kawasaki, 90ZV	257 HP	07-Oct-15	720	0	509	720.00	211.50	100.00	29.38	29.38			21.79	5856	96	4063	5760	1697	98.36	29.46	28.97			14.92
				TOTAL	2160	1440	509	720.00	211.50	33.33	29.38	9.79			25.86	17568	6644	8536	10924	2388	62.18	21.88	13.59			15.96

PERFORMANCE REPORT OF HEMM



BARSUA MINES

PROJ. NO.	CUMM. UTILIS. UPTO OCT '17	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	NOVEMBER 2017										2017-18											
					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%	TRIP	FEED RATE	HSD/ HR	
EXCAVATORS																										
EX-20	24953	BEML, BE-1000	4.5 CuM	Mar-04	208	38	123	170	48	81.73	27.94	23	4.99	46.32	1640	646	883	994	112	60.61	11.22	6.80	429	3.85	61.88	
EX-21	17412	TELCON, 1200V-1018	5.9 CuM	28-May-07	208	16	144	192	49	92.31	25.26	23	5.71	32.99	1640	1267	280	373	94	22.74	25.07	5.70	385	4.11	37.43	
EX-22	18222	BEML, BE-1000	4.5 CuM	22-Dec-08	416	64	247	353	106	84.74	30.07	25	0.00	37.74	2976	443	1773	2534	761	85.13	30.04	25.57	3	0.00	37.45	
EX-23	15805	BEML, BE-1000	4.5CuM	18-Feb-10	416	416	0	0	0	0.00	0.00	0	0.00	0.00	2976	2300	447	676	229	22.72	33.88	7.69	0	0.00	51.39	
EX-24	10887	BEML, BE-1800	7.5CuM	04-Aug-11	208	28	180	180	0	86.54	0.00	0	0.00	0.00	816	636	180	180	0	22.06	0.00	0.00	0	0.00	0.00	
* EX 22 & 23 are being utilised at Taldih, EX-24 Engine sent to GOM					TOTAL	1456	562	693	895	202	81.44	22.58	13.87	2.54	40.84	10048	5292	3662	4757	1195	47.34	25.12	11.89	817	0.68	43.78
DUMPER, 50 TE																										
HPD-87	26303	BEML, 210M	50T	Apr-2000	232	29	187	204	17	87.72	8.11	7.11	0.61	39.39	1712	77	1500	1636	136	95.53	8.28	7.91	73	0.54	16.27	
HPD-90	16402	BEML, 210M	50T	APR'05	624	19	606	606	0	97.04	0.00	0.00	0.00	0.00	4944	169	4765	4776	11	96.59	0.23	0.22	0	0.00	34.09	
BH-93 (WT)	23316	BEML, 210M	50T	21-Feb-08	352	58	247	294	48	83.52	16.16	13.49	0.91	27.37	1784	141	1505	1643	139	92.10	8.43	7.76	204	1.47	21.41	
BH-94	22145	BH-50 M	50T	22-Dec-08	208	39	146	170	24	81.49	14.16	11.54	3.17	37.92	1664	94	1445	1571	126	94.38	8.02	7.57	175	1.39	20.63	
BH-95	29058	BH-50 M	50T	6-Feb-09	208	21	126	187	61	89.90	32.62	29.33	3.18	18.03	2560	335	1599	2225	626	86.91	28.13	24.45	279	0.45	15.80	
BH-96	24871	BH-50 M	50T	20-Aug-09	416	14	329	402	74	96.63	18.28	17.67	0.00	24.49	2736	883	1455	1853	399	67.73	21.51	14.57	32	0.08	17.97	
BH-99 (@ MIOM-13809)	8242	BH-50 M	50T	01.04.05 MIOM 20.02.2014 BIM	208	18	133	190	58	91.35	30.26	27.64	3.03	24.70	2656	375	1648	2281	634	85.88	27.77	23.85	674	1.06	17.81	
* BH-95, 96 & 99 are being utilised at Taldih					TOTAL	2248	197	1772	2052	280	91.26	13.65	12.46	1.78	25.64	18056	2073	13915	15984	2069	88.52	12.94	11.46	1437	0.69	17.63
DUMPER, 100 TE																										
BH-97	8593	BEML, BH-100	100 T	4-Aug-11	208	0	208	208	0	100.00	0.00	0.00	0.00	0.00	1640	7	1633	1633	0	99.57	0.00	0.00	0	0.00	0.00	
BH-98	7898	BEML, BH-100	100 T	04-Aug-11	208	9	192	200	8	95.91	4.01	3.85	2.13	75.00	1640	16	1617	1625	8	99.05	0.49	0.49	17	2.13	118.75	
					TOTAL	416	9	400	408	8	97.96	1.96	1.92	2.13	75.00	3280	23	3250	3258	8.00	99.31	0.25	0.24	17	2.13	118.75
DRILL																										
DM-7	23425	AC - IDM-30	160mm	29-Jan-98	208	69	136	139	4	66.83	2.52	1.68	0.00	71.43	1640	498	978	1142	165	69.63	14.40	10.03	210	1.28	11.22	
DM-9	9381	AC - IDM-30	180mm	30-Sep-09				0	0	0.00	0.00	0.00	0.00	0.00	608	118	450	490	40	80.59	8.16	6.58	870	21.75	43.88	
DM-10	3905	AC - IDM-30	160mm	15-Jan-15	416	333	55	83	29	19.95	34.34	6.85	0.00	26.32	2776	721	1188	2055	868	74.03	42.21	31.25	0	0.00	29.89	
* DM-10 is being utilised at Taldih					TOTAL	624	402	190	222	32	35.58	14.41	5.13	0.00	31.25	5024	1337	2815	3687	1072	73.39	29.08	21.34	1080	1.01	27.54
DOZER																										
TR-35 (B/V)	12311	BEML, D-155A	320 HP	11.01.98				0	0	0.00	0.00	0.00		0.00	0	0	0	0	0	0.00	0.00	0.00			0.00	
TR-36 (B/V)	13897	BEML, D-155A	320 HP	23-Apr-05	624	624	0	0	0	0.00	0.00	0.00		0.00	4920	4920	0	0	0	0.00	0.00	0.00			0.00	
TR-37	13650	BEML, D-155A	320 HP	22-Jun-07	624	19	594	606	12	97.04	1.98	1.92		39.17	4920	164	4698	4757	59	96.68	1.24	1.20			24.07	
TR-38	14787	BEML, D-355	410 HP	16-Feb-10	416	13	338	404	66	97.00	16.23	15.75		34.35	2480	457	1365	2024	659	81.59	32.54	26.55			24.63	
TR-39	9538	BEML, D-355	410 HP	10-Apr-12	208	18	167	190	23	91.35	12.11	11.06		36.96	2144	406	1447	1738	292	81.06	16.77	13.60			32.16	
TR-40	4766	BEML, D-355	410 HP	6-May-14	208	8	149	200	52	96.15	25.75	24.76		35.92	1640	103	1390	1537	148	93.72	9.60	8.99			51.19	
* TR-38 is being utilised at Taldih					TOTAL	2080	681	1247	1399	162	67.26	10.86	7.31		35.66	16104	6049	8899	10055	1157	82.44	11.50	7.18			29.89
PAY LOADER																										
FEL-6	9075	L&T KOMAT. WA-470-3	260 HP	21-Jan-09				0	0	0.00	0.00	0.00		0.00	0	0	0	0	0	0.00	0.00	0.00			0.00	
FEL-7	5784	HYUNDAI	280 HP	27-Aug-11	424	29	344	395	52	93.16	13.04	12.15		25.44	4640	179	4250	4461	212	96.14	4.74	4.56			23.29	
FEL-6 Shifted to Gua on 15.12.2015					TOTAL	424	29	344	395	52	93.16	13.04	12.15		25.44	4640	179	4250	4461	212	96.14	4.74	4.56			23.29

PERFORMANCE REPORT OF HEMM

GUA ORE MINES

	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	NOVEMBER 2017											2017-2018											
				SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	TRIP	FEED RATE	HSD/HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	TRIP	FEED RATE	HSD/HR	
EXCAVATORS																										
< 4.5 CuM																										
E-10	L&T 300 CKE	3.20	21-Jan-04	0	0	0	0	0	#DIV/0!	#DIV/0!	0.00	0	0.00	0.00	0	0	0	0	0	0.00	0.00	0.00	0	0.00	0.00	
D-11	L&T D.HYD	3.20	17-Nov-04	0	0	0	0	0	#DIV/0!	#DIV/0!	0.00	0	0.00	0.00	4648	0	3928	4648	720	100.00	15.49	15.49	0	0.00	0.00	
TOTAL				0	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	0	0.00	0.00	4648	0	3928	4648	720	100.00	15.49	15.49	0	0.00	0.00	
> 4.5 CuM																										
D-12	BE 1600	7.5 CuM	16-Feb-11	720	720	0	0	0	0.00	#DIV/0!	0.00	0	0.00	0.00	5856	5437	344	420	76	7.16	18.12	1.30	191	2.51	66.45	
D-12A	BE 1000(D)	4.5 CuM	27-Apr-08	720	101	420	619	199	85.97	32.15	27.64	705	3.54	48.87	5856	865	3928	4991	1063	85.23	21.30	18.15	2248	2.11	36.95	
D-14	KOMATSU	9.5 CuM	08-Apr-12	720	135	247	585	338	81.25	57.78	46.94	1419	4.20	71.15	5856	864	2724	4992	2269	85.25	45.44	38.74	10344	4.56	71.41	
D-16	KOMATSU	9.5 CuM	31-Aug-16	720	102	145	618	473	85.83	76.54	65.69	3060	6.47	73.78	5856	681	1286	5175	3890	88.37	75.16	66.42	24056	6.18	83.35	
TOTAL				2880	1058	812	1822	1010	63.26	55.43	55.43	6184	5.13	68.00	23424	7846	8281	15578	7297	86.50	46.84	46.84	36839	5.05	72.70	
DUMPER,50 TE																										
R/D-86	BEML-BH-50M	50 Te	Mar-08	720	720	0	0	0	0.00	#DIV/0!	0.00	0	0.00	0.00	5856	3359	1992	2497	505	42.64	20.22	8.62	366	0.72	19.48	
R/D-86	BEML-BH-50M	50Te	Sep-08	720	27	600	693	93	96.25	13.42	12.92	291	3.13	43.55	5856	1619	3630	4237	608	72.35	14.34	10.37	1482	2.44	43.84	
R/D-87	BEML-BH-50M	50Te	Dec-08	720	690	0	30	30	4.17	100.00	4.17	0	0.00	11.67	5856	4105	1609	1751	143	29.90	8.14	2.43	106	0.74	43.58	
3				TOTAL	2160	1437	600	723	123	33.47	17.01	5.69	291	2.37	35.77	17688	9083	7230	8486	1255	48.30	14.79	7.14	1954	1.56	33.91
DUMPER,100 TE																										
R/D-88	KOMAT.HD785-7	100 T	10-Sep-10	720	615	30	105	75	14.58	71.43	10.42	175	2.33	61.33	5856	3100	592	2756	2165	47.06	78.54	36.96	6103	2.82	58.15	
R/D-89	KOMAT.HD785-7	100 T	10-Sep-10	720	62	228	658	430	91.39	65.35	59.72	1258	2.93	61.93	5856	2104	1164	3752	2589	64.07	68.99	44.20	7861	3.04	64.40	
R/D-90	CAT 777D	100 T	26-Jan-12	720	270	279	450	171	62.50	38.00	23.75	1068	6.25	41.31	5856	1521	2003	4336	2333	74.04	53.81	39.84	8259	3.54	57.18	
R/D-91	CAT 777D	100 T	26-Jan-12	720	720	0	0	0	0.00	#DIV/0!	0.00	0	0.00	0.00	5856	5420	197	436	239	7.45	54.82	4.08	876	3.67	72.21	
R/D-92	BEML- BH 100	100 T	27-May-15	720	110	236	610	374	84.72	61.31	51.94	1305	3.49	64.11	5856	2443	1131	3414	2283	58.29	66.88	38.99	7793	3.41	68.95	
R/D-93	BEML- BH 100	100 T	10-Jun-16	720	120	253	600	347	83.33	57.83	48.19	1378	3.97	64.08	5856	2719	1529	3137	1608	53.57	51.26	27.46	5527	3.44	61.78	
4				TOTAL	4320	1897	1026	2423	1397	56.09	57.66	32.34	6184	3.71	60.49	35136	17306	6614	17830	11216	60.76	62.91	31.92	36419	3.25	62.41
DRILL																										
DM-10	IR-ROTACOL-IDM-30	160mm	Feb-04	480	170	170	310	140	84.58	45.16	29.17	1555	11.11	29.00	3904	3353	354	552	198	14.13	35.81	5.06	1931	9.78	36.51	
DM-12A	AC-ROTACOL-IDM-30	160mm	Sep-08	480	110	218	370	152	77.08	41.08	31.67	0	0.00	29.93	3904	1682	1276	2222	946	58.92	42.57	24.23	10645	11.25	31.40	
DM-14	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	480	480	0	0	0	0.00	#DIV/0!	0.00	811	0.00	0.00	3904	1993	1240	1911	672	48.95	35.14	17.20	4655	6.93	17.27	
DM-16	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	480	204	162	276	114	57.50	41.30	23.75	2645	23.20	42.11	3904	1717	1184	2187	1003	56.02	45.86	25.69	18255	18.20	41.31	
3				TOTAL	1920	964	550	956	406	49.79	42.47	21.16	8011	12.34	33.03	16616	8745	4064	6872	2818	44.00	41.01	18.05	35486	12.59	31.92
DOZER																										
DOZ-21	BEML D-355	410 HP	May-03	480	360	13	120	107	25.00	89.17	22.29		0.00	0.00	4144	2455	867	1690	823	40.77	48.71	19.86		0.00	26.35	
DOZ-22	BEML D-355	410 HP	Feb-04	480	480	0	0	0	0.00	#DIV/0!	0.00		0.00	0.00	4144	2578	294	1566	1273	37.79	81.26	30.71		0.00	26.75	
DOZ-23	BEML D-355	410 HP	May-08	480	16	12	464	452	98.67	97.41	94.17		0.00	0.00	4144	1596	723	2548	1825	61.49	71.62	44.04		0.00	21.03	
DOZ-24	BEML D-355	410 HP	Sep-08	480	480	0	0	0	0.00	#DIV/0!	0.00		0.00	0.00	3904	3009	218	895	678	22.93	75.70	17.35		0.00	40.82	
DOZ-25	BEML D-355	410 HP	26-Apr-14	480	104	218	376	158	78.33	42.02	32.92		0.00	25.63	3904	1280	1160	2625	1465	67.23	55.82	37.53		0.00	25.70	
DOZ-26	BEML D-355	410 HP	08-Sept-17	480	67	169	413	244	86.04	59.08	50.83		0.00	39.24	1328	372	355	956	602	71.99	62.92	45.29		0.00	39.60	
6				TOTAL	2880	1607	412	1373	961	47.67	69.99	33.37	0	14.18	22544	12266	3616	10279	6665	46.60	64.84	29.66	0		27.49	
PAY LOADER																										
PL-6	HM-2071	4.6	Apr-03	720	720	0	0	0	0.00	#DIV/0!	0.00		0.00	0.00	5856	5856	0	0	0	0.00	0.00	0.00	0	0.00	0.00	
PL-6	L&T KOMAT. WA-470-3	280 HP	22-Jan-09	720	249	164	471	307	65.42	65.18	42.64		0.00	14.56	5856	2261	1582	3595	2014	61.39	56.01	34.38	39	0.02	12.36	
PL-7	L&T KOMAT. WA-470-3	280 HP	21-Jan-09	720	720	0	0	0	0.00	#DIV/0!	0.00		0.00	0.00	5856	5804	116	253	137	4.31	54.06	2.33	0	0.00	13.58	
PL-6	Hyundai-hi770-7A	280 HP	01-Jun-10	720	720	0	0	0	0.00	#DIV/0!	0.00		0.00	0.00	5856	5856	0	0	0	0.00	0.00	0.00	0	0.00	0.00	
PL-9	KOMATSU	2.9	16-Dec-15	720	512	164	208	45	28.89	21.39	6.18		0.00	0.00	5856	1699	2643	4158	1515	71.00	36.43	25.86	79	0.05	10.97	
* NOTE : PL-9 BROUGHT FROM BIM				TOTAL	3600	2921	328	679	352	18.86	51.77	9.76	0	0.00	13.46	29280	21275	4341	8005	3665	27.34	46.78	12.62	118	0.03	11.83
BACK HOE-02	BEMLBE-300LC	1.2 CU.M	May-09	720	52	524	668	144	92.78	21.56	20.00	0	0.00	0.00	5360	1413	1967	3948	1981	73.65	50.17	36.95	0	0.00	8.49	
BACK HOE-03	BEMLBE-300LC	1.25 CU.M	26-Sep-13	720	101	133	619	486	85.97	78.51	67.50	0	0.00	0.00	5360	3991	340	1369	1030	25.54	75.20	19.21	0	0.00	7.33	
5				TOTAL	1440	153	667	1287	630	89.38	48.95	43.76	0	0.00	0.00	10720	5404	2307	6317	3010	49.69	56.82	26.08	0	0.00	8.09

EQUIPMENT AVAILABILITY & UTILISATION

Nov-17

UNIT IN %

EQPMT TYPE		NORM		KIRIBURU				MEGHAHATUBURU				BOLANI				TALDIH				GUA			
				MTH		CUM		MTH		CUM		MTH		CUM		MTH		CUM		MTH		CUM	
		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	36	52	37	55	71	67	66	66	83	56	81	37	20	34	76	43	50	42	44	41
SHOVEL	HYD(D) <4.6 m3	70	75			16	66	21	50	36	21	63	39	80	17	42	30	54	31				
	HYD(D) >4.6 m3	85	80	100	50	85	58	70	61	74	59	94	47	80	42					63	55	67	47
	HYD(E)	70	70																				
DUMPER	85 tn	65	75	100	100	37	85																
	50 tn	70	80							13	4	29	61	35	20	90	18	85	27	33	17	48	15
	100 tn	85	80	72	44	69	43	70	51	69	47	61	59	59	46					56	58	51	63
DOZER		70	70	43	27	54	37	45	51	40	52	54	36	49	31	97	16	83	34	48	70	46	65
CRUSHING PLANT		85	85					94	63	88	62	75	46	83	62								
SCREENING PLANT		85	85					75	73	74	67	89	59	88	68								
OHP		85	85	88	72	84	71													91	91	93	84

Consumption of Key Consumables in 2017-18(Kiriburu)

Item	HSD			EXPL	POWER	LUBRICANT								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2010-11	2470622	1067100	3537722	940203	28786084	158970	4380210	0	1133550	826934	0.15	0.62	5.22	27.79
2011-12	2232461	723255	2955716	733395	28638468	158510	3848850	0	1410525	633037.6	0.12	0.55	5.45	29.26
2012-13	2304757	777352	3082109	619868	29233456	115903	3958695	0	1481400	187362	0.11	0.56	5.37	21.12
2013-14	2028772	794925	2823697	502158	31070636	126608	3443634	24977	1334250	0	0.10	0.59	6.47	26.36
2014-15	2045312	860700	2906012	733330	31989330	110440	3893355	354285	1135350	638246	0.13	0.52	5.94	19.93
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	1438569	357245	1795814	317745	19792525	60330	2730000	103830	1048230	383256	0.07	0.46	5.10	15.47
April'17	178986	42335	221321	39135	2295453	5880	304650	14940	246960	0	0.07	0.40	4.05	10.59
May'17	174112	50555	224667	40860	2313164	9870	298440	19890	170190	0	0.08	0.47	4.74	20.84
June'17	199103	56973	256076	49962	2164001	7140	350460	19980	111870	22000	0.10	0.54	4.49	15.10
July'17	175577	64457	240034	27455	2415024	7200	341280	2880	50850	0	0.07	0.61	6.11	18.33
August'17	172237	47850	220087	43495	2792016	6090	403920	0	41940	42000	0.09	0.48	6.26	13.34
Sept'17	169275	24163	193438	42570	2555738	8400	359910	4140	101610	92000	0.08	0.40	5.49	17.30
Oct'17	196733	37416	234149	38733	2550646	7350	387670	14000	156690	119256	0.06	0.41	4.57	12.72
Nov'17	172546	33496	206042	35535	2706483	8400	283670	28000	168120	108000	0.06	0.42	5.64	17.29

Consumption of Key Consumables in 2017-18(Meghahatuburu)

Item	HSD			EXPL	POWER	LUBRICANT								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2010-11	2144701	222113	2366814	673680	20553880	162346	4110120		1173465	509607	0.12	0.40	3.89	30.00
2011-12	2362533	225172	2587705	553591	21142080	141234	4286700		1554480	325440	0.09	0.44	3.62	23.85
2012-13	2503447	298360	2801807	464676	20066760	123987	4225320		2166885	30114	0.07	0.44	3.14	19.37
2013-14	2324310	162200	2486510	392696	20328120	129431	4426065		1807800	780350	0.06	0.39	3.26	20.38
2014-15	2220183	193500	2413683	319470	18089880	126073	3673080	0	1305800	155000	0.06	0.44	3.63	23.61
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	2E+06	33110	1760280	419585	12636120	81437	2480150	92500	1991850	680000	0.08	0.38	2.77	17.46
April'17	202775	790	203565	35160	1170360	6160	133020	0	435750	5000	0.06	0.36	2.06	10.81
May'17	205774	2080	207854	41353	1221600	11116	250190	10000	257800	30000	0.08	0.40	2.36	21.46
June'17	199459	9150	208609	43784	1239720	13846	323060	13000	203400	105000	0.07	0.38	2.30	24.90
July'17	206791	5340	212131	56859	1813920	9954	315510	7500	222500	85000	0.09	0.38	3.33	17.74
August'17	218558	3790	222348	45948	2148480	8759	285990	30000	282000	150000	0.06	0.36	3.59	14.29
Sept'17	227975	1370	229345	63721	1896000	10458	404950	5000	160400	75000	0.10	0.39	3.32	17.87
Oct'17	235535	5030	240565	72161	1604160	10714	380370	15000	214400	110000	0.10	0.38	2.63	17.11
Nov'17	230303	5560	235863	60599	1541880	10430	387060	12000	215600	120000	0.08	0.37	2.51	16.41

Consumption of Key Consumables in 2017-18(Bolani)

Item	HSD	Expl	Power	Lubricant									
Unit	Litre	kg	KWH	Litre/Kg	DEPTT ROM	F/G AREA CONTR SCR	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
NORM										0.11	0.43	4.8	25
2010-11	2026625	479122	23080560	118412	3347818		573189	785490	196165	0.10	0.48	4.90	27.87
2011-12	1998636	534534	21235920	100300	3060290		684985	796330	164403	0.11	0.50	4.68	25.18
2012-13	1783555	514007	19644960	91014	2605030		470897	838270	506624	0.12	0.50	5.02	25.35
2013-14	1872289	635069	20288400	103250	2888400		952901	1049150	667212	0.11	0.45	4.15	24.70
2014-15	2149181	810530	21124800	109435	3516659	200000	677254	738201	1792737	0.12	0.44	4.28	22.23
2015-16	2259467	913430	21800400	106130	3598770	0	1735825	1382700	1085889	0.12	0.40	3.25	18.66
2016-17	2538285	618000	22677280	116550	4014310	0	1667532	1534785	920488	0.08	0.41	3.14	18.81
2017-18	1656687	595840	13243840	78450	2472835	0	906215	1015245	1073812	0.11	0.42	3.01	19.70
April'17	203043	34725	1620240	7920	326725	0	82032	104905	67824	0.06	0.43	3.15	16.88
May'17	204419	69615	1697760	14284	358980	0	99931	96900	38693	0.12	0.42	3.05	29.12
June'17	211143	83115	1650720	9475	287700	0	109943	192450	120346	0.12	0.39	2.80	17.62
July'17	207326	71200	1600320	10786	252700	0	102228	235200	189763	0.09	0.37	2.71	19.23
August'17	202708	80010	1786320	11109	316800	0	113352	103310	27441	0.14	0.45	3.35	24.40
Sept'17	206270	80570	1329520	7073	349190	0	82829	72020	171483	0.12	0.43	2.64	14.59
Oct'17	213374	93794	1810080	9547	315560	0	137470	88870	237995	0.12	0.43	3.34	19.16
Nov'17	208404	82811	1748880	8256	265180		178430	121590	220267	0.11	0.43	3.09	16.97

Consumption of Key Consumables in 2017-18(Barsua-Taldih)

Item	HSD			Expl	Power	Lubricant									
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	TALDIH OB	EXPL	HSD	POWER	LUB
NORM	MINES	DGSET	TOTAL				BARSUA	TALDIH	BARSUA			0.08	0.46	4.90	25.00
2010-11	1748928			281925	18683800	86363	2347022		1244730	1169576		0.06	0.45	5.20	22.23
2011-12	1753745			233475	16215900	78287	1979803		1340775	859275.2		0.06	0.50	4.88	22.14
2012-13	1879641	30150	1909791	254675	14962260	99939	2281296		1350990	175261.7		0.07	0.52	4.12	27.19
2013-14	1592619	74350	1666969	253695	18204460	101571	1905428		1257525	652709		0.07	0.51	5.76	31.15
2014-15	1351019	18140	1369159	230450	17518920	62960	269920		2635065	350000		0.07	0.46	6.03	21.29
2015-16	1230145	6660	1236805	265250	15780840	47362	0	0	2384140	0		0.11	0.52	6.62	19.87
2016-17	934836	0	934836	188625	15520680	46730	0	173700	1804950	0	294165	0.10	0.45	7.84	22.26
2017-18	272381	0	272381	66112	9085656	9674	0	300865	43965	0	166590	0.13	1.29	26.35	45.95
April'17	30185	0	30185	4950	1069237	1050	0	24700	0	0	24300	0.10	1.24	43.29	43.21
May'17	46383	0	46383	8000	1137117	1470	0	36650	4365	0	37845	0.10	1.10	27.72	34.83
June'17	41862	0	41862	9500	959717	970	0	46902	945	0	42075	0.11	0.97	20.06	22.55
July'17	28813	0	28813	10500	875357	870	0	49888	0	0	21735	0.15	1.33	17.55	40.03
August'17	27131	0	27131	9000	1289397	2370	0	29533	1620	0	3780	0.26	5.02	41.39	438.89
Sept'17	19401	0	19401	9000	1243957	623	0	40592	0	0	11835	0.17	1.64	105.11	52.64
Oct'17	42517	0	42517	6750	1135517	1281	0	36486	13140	0	11430	0.11	1.73	46.22	52.14
Nov'17	36089	0	36089	8412	1375357	1040	0	36114	23895	0	13590	0.11	0.96	36.69	27.74

Consumption of Key Consumables in 2017-18(Gua)

Item	HSD			Expl	Power	Lubricant								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.09	0.55	4.6	25
2010-11	1813564	2030	1815594	367795	17584344	100224	2378504	0	674441	1325210	0.08	0.54	5.76	29.61
2011-12	1026199	12194	1038393	121305	16608240	50419	543562	0	236868	225000	0.12	1.24	21.28	60.26
2012-13	530895	31972	562867	0	15732024	22133	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
2013-14	2677615	20143	2697758	423955	17447568	104254	3764538	0	1344785	0	0.08	0.53	3.41	20.40
2014-15	2085242	22389	2107631	277410	16677691	70037	2479410	0	752085	0	0.09	0.65	5.16	21.67
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	2029745	1420	2031165	258953	12169680	69816	2603200	0	1022518	0	0.07	0.56	3.36	19.26
April'17	243281	200	243481	50022	1502832	7154	320600	0	116100	0	0.11	0.56	3.44	16.38
May'17	257565	0	257565	34225	1538376	7546	315200	0	115065	0	0.08	0.60	3.58	17.54
June'17	278830	0	278830	48603	1440624	12796	333000	0	94628	0	0.11	0.65	3.37	29.92
July'17	218080	400	218480	21145	1517400	9352	323000	0	87365	0	0.05	0.53	3.70	22.79
August'17	231143	200	231343	30319	1631208	6314	315600	0	137070	0	0.07	0.51	3.60	13.95
Sept'17	257252	200	257452	22578	1516248	9352	295700	0	149625	0	0.05	0.58	3.40	21.00
Oct'17	276944	220	277164	19718	1505352	7922	354100	0	154410	0	0.04	0.55	2.96	15.58
Nov'17	266650	200	266850	32343	1517640	9380	346000	0	168255	0	0.06	0.52	2.95	18.24

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
MINE	GRANTED ON	VALID UPTO	AREA (in ha.)	RENEWAL APPL. DATE	FOREST CLEARANCE (FC)	Starts as on Nov' 2017 ENVIRONMENTAL CLEARANCE (EC)
KRR-MHR 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. <u>South & Central Block (247.5 Ha)</u> ; Stage-I FC granted by MoEFCC on 18.10.2010. Compliance report has been submitted well within the time & presently, proposal forwarded to PCCF, Jharkhand on 08.06.2015 through PCCF (Nodal) and subsequently forwarded to State Govt. on 25.06.2015. State Govt. forward the proposal to MoEFCC on 13.07.2015. Proposal at MoEFCC, ND. Additional information sought by MoEF&CC on 18.09.2015 & reply Reply is being drafted in consultation with Jharkhand State Govt. for onward forwarding to MoEFCC. Meeting was conducted by PCCF, RCCF, DFO(Saranda) at Ranchi on 27.11.2015. Pr. Secretary GoJ issued letter dated 15.12.2015 to PCCF regarding early reply of letter dated 18.09.2015. Compliance report submitted to DFO, Saranda on 15.01.2016. DFO, Saranda forwarded the report to CF on 28.01.2016. CF forwarded the report to Addl. PCCF, Jamshedpur on 06.02.2016 & on 26.02.2016, report forwarded the compliance report to PCCF (Nodal), Ranchi. Subsequently forwarded to PCCF, Jharkhand on 2.3.2016. Further, PCCF forwarded the proposal to Pr. Secy, Jharkhand on 15.03.16. GoJ vide letter dtd 05.04.16 forwarded the compliance report to MoEF&CC, New Delhi. A meeting on grant of Stage-II FC's was held between Secy (MoEFCC) & Secy (MoS) on 02.12.16. Secretary, MoS vide letter dtd 07.02.17 again requested Secretary, MoEFCC for kind intervention to expedite the pending Stage-II FC of Gua, Kiriburu-Meghahatuburu (South & Central Block). Another recent meeting held on 02.05.2017 in the presence of Minister along with The Secretary, DGF&SS and other Officers of MoEF, ICFRE etc wherein some favourable outcome made on Stage-II FC of South- Central Block. The grant of pending Stage-II FC's of Saranda Region was discussed by Dir (RM&L) with DGF&SS, MoEFCC on 09.08.17 & 17.08.17.	EC granted by MoEFCC for 10 MTPA capacity on 27.12.2006. For enhanced capacity of 16 MTPA, The Project Proposal has been appraised successfully to EAC, MoEF, New Delhi on 22.11.2013. EC granted for 16 MTPA capacity on 23.09.2014. NOC for 16MTPA has been issued by JSPCB on 25.03.2015. CTO FOR 16 MTPA capacity has been granted by JSPCB on 30.12.2015 for the period 01.01.2016 to 31.12.2016. Application for renewal of CTO for the period 01.01.2017 to 31.12.2019 submitted on 24.08.2016 & Renewal of CTO for 16 MTPA granted on 31.12.16 for the period 01.01.17 to 31.12.19.
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 and is co-terminus with current lease period.	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 and is co-terminus with current lease period.	Tailing Pond of Kiriburu Iron Ore Mine is located in the lease-III.
Horomotto	01.01.70	31.12.99	1051.98	-	SAIL has filed Revision application with mining tribunal against State Govt.'s order of lapsing of lease and rejection of lease renewal application.	No EC
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. MoEFCC has also granted forest clearance for the remaining forest land covering 261.95 ha on 12.11.2014. Proposal for additional 87.09 ha Sabik FL has been submitted to forest department on 17.02.2016 & forwarded to MoEFCC on 30.06.2016 for grant of Stage-I FC of 87.09 ha of Sabik FL. FAC meeting held on 24.08.16 and site inspection conducted by RO, MoEFCC on 26.11.16 & report has been forwarded to MoEFCC on 08.12.2016. Further information asked by MoEFCC & complied. Further, FAC meeting held on 20.07.2017 & recommended the project. MoEF&CC vide order dated 12.09.2017 granted Stage-I FC for 87.09 ha Sabik forest land. Subsequent to the grant of Stage-I FC, Govt. of Odisha letter dated 03.10.17 imposed additional conditions for compliance. Addl. PCCF (Nodal Officer) vide letter dated 11.10.17 directed RCCF (Rourkela)/DFO (Keonjhar) to furnish the required compliances to the Stage-I FC conditions imposed by MoEFCC immediately for onward transmission to the Govt. in F&E Dept. Compliance of condition is in progress. In pursuance to MoEF&CC letter dated 12.09.17, DFO, Keonjhar vide letter dated 16.11.17 requested all Range Officers, Keonjhar Forest Division to identify suitable degraded forest land over 8.525 ha for CA. Addl. PCCF (NO) vide letter dated 13.11.17 informed DFO, Keonjhar that financial outlay of revised CA scheme over 169.72 ha has technically approved for necessary action. DFO, Keonjhar vide letter dated 20.11.17, requested to deposit an amount of Rs. 2,20,64,000/- towards CA over 169.72 ha through e-portal of MoEF&CC.	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 granted by OSPCB on 30.01.2015 & valid upto 31.03.2016. CTO renewed & Valid upto 31.03.2019.
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	Stage-I FC was granted by MoEF&CC on 24.02.99. MoEF&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal, compliance is under progress. In addition to that, 238.093 ha was identified as Sabik Forest within the lease & diversion proposal for the said land has been submitted online on 21.06.2016. The proposal was forwarded to MoEFCC on 19.08.16. Site inspection was conducted by CF (Central) on 20 & 21.10.16 and inspection report was forwarded to MoEFCC on 18.11.16. FAC meeting held on 26.12.2016. Further information asked by MoEFCC on 12.01.2017 & complied. Again FAC meeting held on 20.07.2017 & recommended the project. MoEF&CC vide order dated 12.09.2017 granted Stage-I FC for 124.313 ha Sabik forest land. Subsequent to the grant of Stage-I FC, Govt. of Odisha letter dated 03.10.17 imposed additional conditions for compliance. Addl. PCCF (Nodal Officer) vide letter dated 11.10.17 directed RCCF (Rourkela)/DFO (Keonjhar) to furnish the required compliances to the Stage-I FC conditions imposed by MoEFCC immediately for onward transmission to the Govt. in F&E Dept. Compliance of condition is in progress.	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 on 23.03.17 for a period upto 31.03.18
BARSUA-KALTA ML No.-130	06.01.60	05.01.30	2486.383	NA	Stage-II FC granted by MoEF&CC on 06.03.2013.	EC granted by MoEFCC vide letter dated 29th Oct'10. Amendment EC for ML-130 lease of Barsua Taldih. Kalta has been granted by MoEFCC on 30.03.2016 for redistribution of production from the mining blocks i.e Barsua to 3.5 Mt/yr and Kalta to 2.5 Mt/yr and Taldih to 2.05 Mt/yr, keeping the total annual production capacity within the approved limit of 8.05 Mt/yr. Amendment of CTE in line with the amendment of EC granted by OSPCB on 05.11.16. Consent to Operate has been renewed on 22.03.2016 with validity upto 31.03.2017. Consent to Operate for the redistributed production was granted by OSPCB on 23.03.17 for the period upto 31.03.19.
ML No.-162	29.04.60	28.04.30	77.94	21.04.99	Stage-I FC for diversion of 77.49 ha including 2.652 ha of safety zone along with the one year working permission has been granted by MoEF CC on 10.02.2015. Stage-I Compliance alongwith other associated conditions related to CA scheme has been communicated to DFO on 28.11.2015. DFO, Bonai forwarded the status of compliance report to State Govt. & forwarded to MoEFCC on 28.1.2016 for extension of working permission. All the necessary payment related CA, PCA, SSCP, Penal NPV has been made & final Stage-I compliance report has been submitted to DFO Office, Bonai on 02.04.2016 for grant of Stage-II FC. Govt. of Odisha forwarded the proposal to MoEFCC & in the return MoEFCC asked more clarification and many more information which was forwarded to forest department by SAIL within limited time period as possible. After the compliance of the queries, the revised compliance report forwarded to MoEFCC by State Govt. on 24.06.2017. MoEF&CC vide order dated 23.10.17 granted Stage-II FC for diversion of 77.94 ha of forest land for development of mining infrastructure in ML-162 lease of Barsua Iron Mine. Subsequently, as per the direction of Hon'ble Supreme Court order dated 02.03.16, an application for direction was filed on 24.10.17 for resumption of mining operations in ML-162 lease. Further, Govt. of Odisha (F&E Dept.) vide order dated 25.10.17, authorised DFO, Bonai to handover the forest land and was SAIL to publish the entire forest clearances order in Newspaper and to submit the copies to the Head of local bodies, Municipality bodies and relevant offices of State Govt. Subsequently, the Stage-I, Stage-II and State Govt. orders were submitted to Head of local bodies, Municipality bodies and relevant offices of State Govt. on 26.10.17 and published in two newspapers on 29.10.17. Addl. PCCF (NO) vide letter dated 03.11.17 directed RCCF, Rourkela/DFO, Bonai to furnish the Stage-II FC compliances to the conditions imposed by GoI, MoEF&CC.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this Lease
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process.	Non-working lease. Proposal initiated for engagement of consultant for preparation of EIA/ EMP report. NIT has been issued on 26.05.17 for engaging a EIA consultant for preparation of EIA/EMP report for obtaining EC. On scheduled date of tender opening date on 30.06.2017, adequate offers from EIA Accredited Consultants have received and Tender process has been finalised and work order is wanted.
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress.	Non-working lease. Obtaining EC is under progress.

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
					Status as on October 2017	
MINE	GRANTED ON	VALID UPTO	AREA (in ha.)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
BHAWANATHPUR						
GORGAON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Diversion Proposal for the forest land under the lease has been submitted on 29.08.2013. Forwarded to DFO on 19.09.2013. DFO, Garhwa vide letter dtd 03.02.2016 instructed to submit FC proposal online.	MoEFCC, New Delhi has been approved the TORs of three leases viz. Ghaghra, Gorgaon & Saraiya lease of Bhawanathpur as per the following approval details:- Ghaghra - MoEF CC letter no. J-11015/16/2013-IA II (M) dated 10.12.2014 Saraiya- MoEFCC letter no. J-11015/15/2013-IA.II (M) dated 12.12.2014 & Gorgaon - MoEF CC letter no. J-11015/13/2013-IA.II (M) dated 26.12.2014. Baseline line data generation for EIA study for the three leases has been generated during March, 2015 to May, 2015. Analysis of the data and preparation of draft EIA are under progress.
GHAGHRA	23.10.72	31.03.20	675.678	18.10.11 (2nd RML)	Fresh DP has been submitted to PCCF (Nodal) on 01.10.13. Proposal forwarded to DFO on 22.10.13. DFO, Garhwa vide letter dtd 03.02.2016 instructed to submit FC proposal online.	
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)	Fresh DP has been submitted to PCCF (Nodal) on 01.10.13 Proposal forwarded to DFO on 22.10.13. DFO, Garhwa vide letter dtd 03.02.2016 instructed to submit FC proposal online.	
PURNAPANI	06.01.80	31.03.20	230.525	30.12.98	No forest land involved	Non-working lease. No EC
GHATTANGAR	29.04.80	28.04.00	153.51	16.04.99	Matter of lease is under litigation.	Non-working lease. No EC
KUTESHWAR						
LEFT BANK LEASE	15.05.82	14.05.22	91.14	NA	No forest land	EC granted by MoEFCC vide letter no. J-11015/450/2012-IA.II(M) dated 17.08.2015. CTE application for 0.06 MTPA production submitted on 06.01.2016. CTE for 0.06 MTPA production granted on 10.04.2016. Renewal of CTO was extended by Madhya Pradesh Pollution Control Board on 06.09.2017 for validity upto 31.07.2018
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. Further, CTO renewed by MPPCB on 27.01.17 for the period upto 31.01.18
TULSIDAMAR	30.10.69	31.03.20	118.72	20.10.08 (2nd RML)	DFO, Garwa vide his letter dated 09.10.2014 directed to submit the diversion proposal as per the modified guidelines including DGPS survey maps. Modification of Diversion Proposal is under progress. DFO, Garhwa vide letter dtd 03.02.2016 instructed to submit FC proposal online NPV paid for total forest land involved in the project on 30.03.2016.	EC granted in 24.03.1995. CTO for Air & Water for the year 2016-17 granted on 31.03.2016 with validity upto 31.03.2017 Application for renewal of CTO submitted online on 29.11.16 for further period of 3 years w.e.f 01.04.17 to 30.03.20 CTO for production capacity of 25000 TPM (Dolomite) has been renewed by JSPCB on 28.03.17 for the period upto 31.03.2020 Railway Siding CTO- CTO for Rly Siding has been granted by JSPCB on 19.12.2014 having validity upto 30.06.2015. Renewal of CTO granted on 04.07.17 with validity up to 30.06.18

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
MINE	GRANTED ON	VALID UPTO	AREA (In ha)	RENEWAL APPL. DATE	FORESTRY CLEARANCE (FC)	Status as on Nov'2017
						ENVIRONMENT CLEARANCE (EC)
GUA						
Durgaburu	22.02.49	21.02.79	1443.756	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 – 1 FC granted for 361.295 ha on 04.03.2014 in addition to 274.691 ha. Stage- 1 compliance report has been submitted to DFO 02.06.2015 DGPS maps for all the 11 nos. CA areas have been prepared and being authenticated by the respective DFO's.State Govt. vide letter dated 30.07.2015 forwarded the proposal to MoEFCC, New Delhi for grant of Stage – 2 FC MoEFCC sought some information on 23.09.2015 & reply submitted to Jharkhand Govt on 23.09.2015 & forwarded to State Govt on 30.09.2015.Meeting was conducted by State Forest Dept. at Ranchi on 16.11.2015 regarding condition no. xv of Stage I order & presentation on Reclamation was presented there Further, another meeting was conducted by PCCF,RCCF,DFO(Saranda) at Ranchi on 27.11.2015 and discussed on status of compliance of Stage I & II FC conditions.. Vide letter dtd 16.03.16, updated status on both the matters was communicated to AIG (FC), MoEFCC.The project was reviewed in the PMG meeting of Cabinet Secretariat on 20.05.2016, where MoEFCC informed that they are awaiting the report on Carrying Capacity on Saranda region before a final decision on the Stage-II FC of Gua. Presentation on R&R was made before IG (F), Forest Division, New Delhi on 22.06.16 & 08.07.16. Vide letter dated 31.05.16, AIG, Forest (FC) desired the information of individual mine of Saranda Division related to Carrying Capacity Study The said information was submitted to IG(FC) on 15.07.16. A meeting on grant of Stage-II FC's was held between Scy (MoEFCC) & Scy (MoS) on 02.12.16, wherein Chairman, SAIL & other Senior officers were also present Secretary, MoS vide letter dtd 07.02.17 again requested Secretary, MoEFCC for kind intervention to expedite the pending Stage-II FC of Gua & other pending issues in the matter of FC	EC granted on 25.03.2013 by MoEF JSPCB renewed Consent to Operate for 12.5 MTPA production on 11.05.2015 with validity upto 31.12.2015 Renewal of CTO granted on 04.01.2016 with validity upto 31.12.2016 Application for renewal of CTO for the period 01.01.17 to 31.12.20 submitted online on 05.08.16 Renewal of CTO granted on 26.12.2016 for the period 01.01.2017 to 31.12.2020
Jhilingbura - I	12.05.50	11.05.80	210.526	25.04.09 (2nd RML)	FAC, MoEF has recommended for stage-I FC subjected to submission of DGPS Map of lease and Compensatory Afforestation Land vide letter no. F.No.8-75/1998-FC,(vol-I), dt. 08.03.13. DGPS Map and CA land have been submitted to DFO, Saranda on 29.04.13 Deputy Secretary (F&E) sent a letter on 27.01.2014 to PCCF regarding present status of mining & land use plan of the leasehold. Desired information has been submitted to PCCF (Nodal) on 12.03.2014 with a copy to Joint Secretary, Govt. of Jharkhand. Proposal forwarded by Principal Secretary (F&E) to MoEF on 22.09.2014. The proposal was again considered by the Special meeting of the FAC on the proposals related to Jharkhand arisen as a result of Carrying Capacity carried out by ICFRE held on 11.08.2017. FAC recommended granting in-principle approval to the proposal along with general, standard & specific conditions. The minutes of the meeting was issued on 17.08.2017.MoEF&CC vide order dated 25.09.2017 granted Stage-I FC for 210.526 ha forest land.	ToR has been granted by MoEF &CC on 04.03.2015. Baseline data for EIA study has been generated during Oct to Dec, 2015 Draft EIA/EMP report submitted to JSPCB on 31.08.16 for conducting Public Hearing. MS, JSPCB vide letter dated 22.09.16 has fixed the dated of PH on 12.11.16 and also informed to submit the draft EIA report to the concerned officials (as mentioned in the letter). PH held successfully on 12.11.16 and PH proceedings were forwarded MoEFCC on 30.11.16. Final EIA/EMP report with incorporation of PH proceedings has been finalised and submitted online on 04.01.2017.Proposal was accepted online on 10.02.2017 for examination by EAC. Hard copy of EIA/EMP reports submitted to MoEFCC on 21.02.17 MoEFCC vide letter dtd 03.04.17 informed that EC proposal will be considered after approval of Carrying Capacity study report by Competent Authority
Jhilingbura - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC granted by MoEF on 29.01.2013. Stage I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi on 31.10.16 for grant of Stage-II FC. RO, MoEFCC asked to Principal Scy to GoJ on 28.11.16 for providing correct geo-referenced map of the forest land proposed for diversion and shape file format CA land (42 ha) along with correct details of remittance for further processing. Further, Dy. Scy to GoJ vide letter dtd 21.12.16 requested PCCF, Ranchi for providing the same. The compliance of the query was prepared & submitted. The proposal forwarded to PCCF (Nodal) on 15.05.17 through CF & RCCF. PCCF (Nodal) forwarded the proposal to PCCF, Ranchi on 12.06.17.PCCF (Ranchi) forwarded the proposal to State Govt. on 20.06.17 and State Govt. forwarded to MoEF&CC, Ranchi on 17.07.17.	TOR for EIA Study for production of 20,820 TPA Mn ore was issued BY MoEF on 23rd July'12.EIA / EMP Report submitted to JSPCB for conducting Public Hearing (PH) on 09.10.2013. PH conducted on 31.01.2014 JSPCB forwarded the proceedings of PH to MoEF on 07.04.2014. MoEFCC vide letter dated 08.09.2015 extended validity of TOR upto 22.07.2016 and transferred the proposal to SEIIA, Jharkhand for appraisal Final EIA/EMP report along with other documents submitted to MoEFCC online on 12.07.16 for grant of EC. The project will be considered for appraisal by EAC only after decision on Carrying Capacity Study for Saranda Forest, which is pending at MoEFCC.Proposal was accepted online on 10.02.2017 for examination by EAC. Hard copy of EIA/EMP reports submitted to MoEFCC on 21.02.17 The proposal was transferred to State Environmental Impact Assessment Authority (SEIAA), Ranchi by MoEFCC on 04.08.2017 for further consideration of the project.
Topallore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC granted by MoEF on 30.08.13. Stage-I FC compliance submitted to DFO, Saranda on 05.03.2016 and was forwarded to RO, MoEFCC, Ranchi on 03.11.16 for grant of Stage-II FC. Govt. of Jharkhand forwarded the compliance report to MoEFCC Regional Office, Ranchi on 03.11.2016 and further forwarded to MoEFCC, New Delhi.	EC granted by SEIAA vide letter no EC/SEIAA/2015-16/2015/1291 dated 17.08.2015 CTE for 0.6 MTPA production capacity granted by JSPCB on 19.09.16 with validity upto 6 months. Vide letter dated 06.03.16 a request was made to JSPCB for extension of CTE by one more year
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 to State govt. on 26.12.13.Letter regarding condition no 17,18,19,20 & 21 of Stage-I FC issued by Special Secretary (F&E) to PCCF, Jharkhand on 24.03.2014. Reply submitted on 21.05.2014. Proposal forwarded to RCCF, Jamshedpur on 06.06.2014 by CF, Chaibasa. Subsequently proposal forwarded to PCCF (Nodal), Jharkhand on 12.06.2014 & to PCCF on 09.07.2014 PCCF sent the information to Principal Secretary (F&E) on 23.07.2014. State Govt. forwarded the proposal to MoEFCC on 22.09.2014. MoEF&CC, New Delhi vide letter dated 21.04.2015 requested Regional Office, MoEFCC, Bhubaneshwar to inspect Dholeil & Sukri Leases to verify any violation of FC (Act), 1980 and report accordingly before grant of Stage – 2 FC. MoEF&CC, BBSR inspected the mines during 25 – 26, June, 2015.Inspection report was sent to MoEFCC, New Delhi on 24th July'15.Meeting held with DGF & Special Secretary, MoEFCC on 08.09.2015 and subsequently request letter sent on 15.09.2015 to grant Stage – 2 FC keeping in view of the proposed expansion of the mines.	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.CTE granted by JSPCB on 25.01.2016 with validity of 6 months i.e. upto 24.07.2016 The validity of CTE has been extended till 24.07.17 by JSPCB Further, validity of CTE extended by JSPCB on 04.08.2017 for a period upto 24.07.2018.
Ajitaburu	07.12.47	06.12.77	323.887	04.12.06 (2nd RML)	Forestry clearance exist upto 2018	EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA
Sukri - Latur	22.03.49	21.03.79	609.554	11.03.08 (2nd RML)		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 JSPCB vide letter dated 29.05.17 extended the CTE validity upto 21.05.18
Dholeil	08.03.48	07.03.18	513.036	06.03.97 (2nd RML)	Forestry clearance exist upto 2018	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 CTO renewed on 29.06.17 & vaid upto 07.03.18.CTO for Manoharpur siding renewed on 08.12.16 by JSPCB for the period upto 30.06.2021 for dispatch of 2.5 lakhs T/month of iron ore
Tatiburu	01.09.49	31.08.79	38.85	24.08.08 (2nd RML)	Virgin & Non-working lease.No FC	No EC
Ankua	14.06.82	31.03.20	67.178	18.06.11 (2nd RML)	Virgin & Non-working lease.No FC	No EC

RMD MANPOWER POSITION AS ON 01.12.2017			
	Executives	Non-Executives	Total
A. ORE MINES			
Kiriburu	93	561	654
Meghahatuburu	76	513	589
Bolani	97	435	532
Barsua	56	313	369
Kalta	16	59	75
Gua	65	541	606
Manoharpur(Chiria)	16	56	72
A.TOTAL	419	2478	2897
B. FLUX MINES			
Purnapani	1	10	11
Kuteshwar	23	120	143
BNP & TDMR	11	103	114
Satna	0	1	1
B. TOTAL	35	234	269
C. OFFICES			
Kolkata	69	33	102
Rourkela	14	18	32
Bokaro	1	4	5
Durgapur	1	4	5
Delhi	4	2	6
Bhubaneswar	1	3	4
Ranchi	2	1	3
Burnpur	0	1	1
MT	6	0	6
C. TOTAL	98	66	164
GRAND TOTAL(A+B+C)	552	2778	3330
Manpower as on 01.11.2017	555	2800	3355
Reduction(-) / Increase(+)	-3	-22	-25

ACCIDENT STATISTICS

MINES	FATAL		REPORTABLE		MANDAY'S LOST	
	November'17	Cummulative	November'17	Cummulative	November'17	Cummulative
KIOM	NIL	NIL	NIL	NIL	NIL	NIL
MIOM	NIL	NIL	NIL	NIL	NIL	NIL
BOM	NIL	NIL	NIL	1	NIL	8
BIM	NIL	NIL	NIL	NIL	NIL	NIL
KIM	NIL	NIL	NIL	NIL	NIL	NIL
GOM	NIL	NIL	NIL	NIL	NIL	NIL
MOM	NIL	NIL	NIL	NIL	NIL	NIL
BNP	NIL	NIL	NIL	NIL	NIL	NIL
TDMR	NIL	NIL	NIL	NIL	NIL	NIL
KTR	NIL	NIL	NIL	NIL	NIL	NIL
PL & DQ	NIL	NIL	NIL	NIL	NIL	NIL
CUMMULATIVE FROM JANUARY'17						
* FROM PREVIOUS CASES						

STEEL PLANT

PERFORMANCE

PROFILE

IRON ORE STOCK INVENTORY BEHAVIOUR
NOVEMBER 2017
IRON ORE LUMP

UNIT:'000 TONNES

PLANT	STK 01.04.2017	STK 01.11.2017	RECEIPTS		CONS		STK 01.12.2017	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	53	25	202	1425	217	1483	22	-3	-31
DSP	65	12	103	896	106	957	9	-3	-56
RSP	70	46	165	1413	166	1389	45	-1	-25
ISP	29	15	84	542	40	461	31	16	2
BSP	100	310		3	195	1570	313	3	213
TOT	317	408	554	4279	724	5860	420	12	103

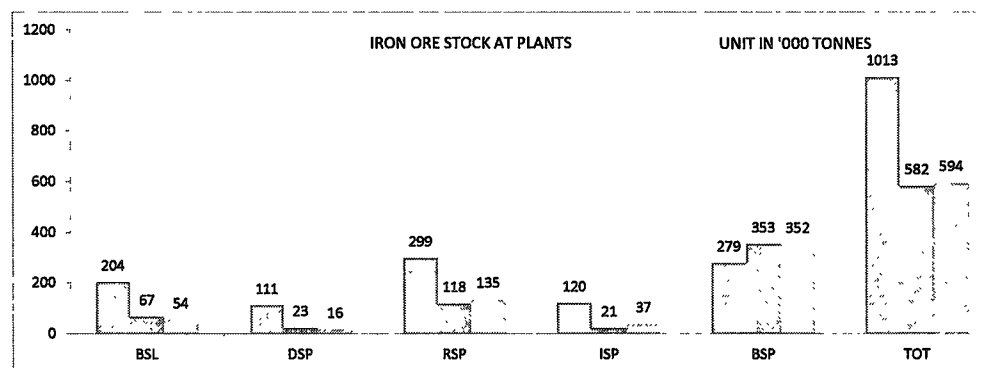
IRON ORE FINES

PLANT	STK 01.04.2017	STK 01.11.2017	RECEIPTS		CONS		STK 01.12.2017	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	151	42	334	2464	359	2938	32	-10	-119
DSP	46	11	198	1475	202	1552	7	-4	-39
RSP	229	72	372	2162	387	2627	90	18	-139
ISP	91	6	195	1697	268	1832	6	0	-85
BSP	179	43	16	143	352	2775	39	-4	-140
TOT	696	174	1115	7941	1568	11724	174	0	-522

IRON ORE TOTAL

PLANT	STK 01.04.2017	STK 01.11.2017	RECEIPTS		CONS		STK 01.12.2017	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	204	67	536	3889	576	4421	54	-13	-150
DSP	111	23	301	2371	308	2509	16	-7	-95
RSP	299	118	537	3575	553	4016	135	17	-164
ISP	120	21	279	2239	308	2293	37	16	-83
BSP	279	353	16	146	547	4345	352	-1	73
TOT	1013	582	1669	12220	2292	17584	594	12	-419

* BSP RECEIPT FROM RMD MINES



PRODUCTION PERFORMANCE

NOVEMBER 2017

हॉट मेटल

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUMUL FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	377	347	92	2765	2603	94	2220	17
दूर्गापूर	206	194	94	1455	1466	101	1606	-9
राउरकेला	302	292	97	2595	2163	83	1922	13
बर्नपूर	210	156	74	1519	1331	88	1156	15
पूर्वी इस्पात संयंत्र	1095	989	90	8334	7563	91	6904	10
भिलाई	554	350	63	3843	2838	74	3363	-16
TOTAL	1649	1339	81	12177	10401	85	10267	1

सिन्तर

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUMUL FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	416	462	111	2948	3650	124	3087	18
दूर्गापूर	288	290	101	2034	2053	101	2170	-5
राउरकेला	485	450	93	4166	3400	82	3333	2
बर्नपूर	320	257	80	2317	2146	93	1887	14
पूर्वी इस्पात संयंत्र	1509	1459	97	11465	11249	98	10477	7
भिलाई	840	510	61	5756	4227	73	4698	-10
TOTAL	2349	1969	84	17221	15476	90	15175	2

IRON ORE RECEIPTS FOR THE MONTH OF NOVEMBER 2017

FIGS IN '000 T

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	31	57	34		23	31	18		8		202
DSP			70				33				103
RSP	74	36			3	49				3	165
ISP	4		60	7	7		3		3		83
BSP											
TOT	109	93	164	7	33	80	55		11	3	554

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	67	83	63			34	61		26		334
DSP			101				97				198
RSP	170	131				61			10		372
ISP	3	4	88	3			97				195
BSP	8	8									16
TOT	248	226	252	3		95	254		36		1115

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	99	140	97		23	65	79		34		536
DSP			171				130				301
RSP	244	167			3	110			10	3	537
ISP	7	4	147	10	7		100		3		278
BSP	8	8									16
TOT	358	319	415	10	33	175	309		47	3	1669

IRON ORE RECEIPTS TILL THE MONTH OF NOVEMBER 2017

FIGS IN '000 T

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	278	395	427		46	91	135		53		1425
DSP	8	26	553				305		4		896
RSP	544	318		7	201	328			12	3	1413
ISP	4		363	10	7	21	99		38		542
BSP				3							3
TOT	834	739	1343	20	254	440	539		107	3	4279

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	656	722	550			133	347		56		2464
DSP		18	801				656				1475
RSP	1049	745				329			39		2162
ISP	3	116	729	3		35	797		14		1697
BSP	127	16									143
TOT	1835	1617	2080	3		497	1800		109		7941

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	934	1117	977		46	224	482		109		3889
DSP	8	44	1354				961		4		2371
RSP	1593	1063		7	201	657			51	3	3575
ISP	7	116	1092	13	7	56	896		52		2239
BSP	127	16		3							146
TOT	2669	2356	3423	23	254	937	2339		216	3	12220

PRESENT BASE FREIGHT IN RS PER TONNE IN TRAIN LOAD CLASS

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
180 CLASS to 165 CLASS	Km	01.04.15	Km	01.04.15	Km	01.04.15	Km	01.04.15	Km	01.04.15
KRBU(N/B) (FOS)	371	613.00	409	687.60	89	234.00	377	650.10	541	874.70
KRBU(O/B) (SOBK)	371	613.00	409	687.60	90	234.00	377	650.10	541	874.70
MBR (SSMK)	371	613.00	409	687.60	89	234.00	377	650.10	541	874.70
BOLANI (BYFS)	272	467.80	318	540.00	223	392.50	286	504.90	683	1097.30
BARSUA (PBSB)	348	576.50	390	650.10	68	234.00	352	650.10	523	874.70
ROXY (HLSR)	332	576.50	380	650.10	59	234.00	346	576.50	513	874.70
GUA (ISCG)	265	467.80	311	540.00	216	392.50	279	504.90	667	1097.30
MANOHARPUR (IISM)	241	430.20	287	504.90	33	234.00	255	467.80	489	799.30
DALLIRAJHARA (DRZ)	827	1317.70	871	1390.50	548	874.70	832	1317.70	83	234.00

	BSL		DSP		RSP		IISCO		BSP	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
160 CLASS to 145 CLASS	Km	01.04.15	Km	01.04.15	Km	01.04.15	Km	01.04.15	Km	01.04.15
BHAWANATHPUR (PSBS)	379	571.30	495	702.40	568	834.30	461	668.90	1013	1478.40
KHANABANJARI (KHBJ)	726	1029.60	830	1158.00	604	899.40	797	1093.70	512	768.60

Shortest Route	NINL (NINS)		PARADEEP (PPTG)		HALDIA (HLZ)		VISL (BDVT)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
180 CLASS to 165 CLASS	Km	01.04.15	Km	01.04.15	Km	01.04.15	Km	01.04.15
GUA (ISCG)	278.79	504.90	425.54	724.70	394.86	650.10	2199.00	3042.10
BOLANI (BYFS)	286.08	504.90	432.83	724.70	402.15	687.60		
MBR (SSMK)								
KRBU(N/B) (FOS)	533.22	874.70	593.05	949.40	492.62	799.30	1884.00	2844.40
KRBU(O/B) (SOBK)								
ROXY (HLSR)	502.90	874.70	562.77	949.40	462.30	761.10		
BARSUA (PBSB)	512.84	874.70	572.71	949.40	472.24	761.10		
MANOHARPUR (IISM)	411.81	687.60	536.58	874.70	371.21	613.00		
BOKARO (BSCS)	493.29	799.30	630.83	1023.50	368.31	613.00		
RSP (HSPG)	444.26	724.70	504.13	874.70	403.76	687.60		