

आर.एम.डी. इन्फॉर्मेटिक्स



NOVEMBER'2018



द्वारा प्रकाशित:

पीपीसी विभाग

राँ मटेरियल्स डिवीजन

भारतीय इस्पात प्राधिकरण

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Excerpt

For the month of November'2018

Highest number of Rakes loaded in the month-516 (Last Highest was 514 in June-18)

Details of Rake Despatched

MINES		Nov'18	Nov'17	%Grth	Till Nov'18	CPLY Till Nov'17	%Grth
KBR		95	98	-3.1	713	725	-1.7
MBR		86	88	-2.3	667	628	6.2
BOL		141	120	17.5	1039	963	7.9
BAR		55	0	-	272	0	-
TAL		0	11	-100.0	82	81	1.2
KAL		41	44	-6.8	286	246	16.3
GUA		77	92	-16.3	707	661	7.0
MPR		21	13	61.5	121	64	89.1
RMD	L	159.1	148	7.5	1320.5	1159	13.9
	F	356.9	318	12.2	2566.5	2209	16.2
	T	516	466	10.7	3887	3368	15.4

PLANT	COMM	Nov'18	2018-19
BSL	L	47.3	419.3
	F	90.7	760.7
DSP	L	33.1	271.4
	F	68.9	547.4
RSP	L	59	430.8
	F	120	735.2
ISP	L	19.7	199
	F	76.3	507
BSP	L		
	F	1	16
TOTAL	L	159.1	1320.5
	F	356.9	2566.5
	TOTAL	516	3887

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

November 2018

UNIT 000 TONNES

PRODUCTION													
MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR Nov 2017	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2018-19	TGT	ACT	%FF	LAST YR Nov 2017		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	1300	110	78	71	91	-14.6	885	652	74	842	-22.6	71
	F	3000	250	283	113	211	34.1	1940	1959	101	1930	1.5	
	T	4300	360	360	100	302	19.4	2825	2611	92	2772	-5.8	
MEGHAHA TUBURU 5000	L	1150	60	78	130	110	-29.3	780	709	91	756	-6.2	70
	F	2750	150	248	165	281	-11.6	1700	1632	96	1562	4.5	
	T	3900	210	326	155	391	-16.6	2480	2341	94	2318	1.0	
BOLANI 6500	L	2250	200	197	99	177	11.6	1490	1429	96	1349	6.0	82
	F	3950	350	303	87	264	14.9	2610	2116	81	1975	7.1	
	T	6200	550	500	91	441	13.6	4100	3545	86	3324	6.7	
BARSUA 2500	L	680	80	59	74			400	333	83			67
	F	1370	160	133	83			680	782	115			
	T	2050	240	192	80			1080	1115	103			
TALDIH 1000	L	420	25			36	-100.0	310	173	56	257	-32.8	42
	F	480	45					265	105	40			
	T	900	70			36	-100.0	575	278	48	257	8.2	
KALTA 2500	L	1000	80	74	92	67	9.8	685	555	81	434	27.8	62
	F	1200	120	81	67	76	6.6	690	476	69	479	-0.5	
	T	2200	200	154	77	143	8.1	1375	1031	75	913	12.9	
GUA 4000	L	1000	80	65	81	67	-4.3	690	687	100	605	13.7	92
	F	3200	270	165	61	279	-40.7	2130	1769	83	1999	-11.5	
	T	4200	350	230	66	346	-33.6	2820	2457	87	2604	-5.6	
MANOHAR - PUR 750	L	350	25	38	153	12	226.1	235	253	108	118	114.2	51
	F	400	30	38	127	30	25.4	245	198	81	101	94.7	
	T	750	55	76	139	42	81.1	480	450	94	219	105.2	
TOTAL 27750	L	8150	660	589	89	561	5.1	5475	4792	88	4361	9.9	75
	F	16350	1375	1250	91	1140	9.7	10260	9037	88	8046	12.3	
	T	24500	2035	1839	90	1700	8.2	15735	13828	88	12407	11.5	

IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

November 2018

UNIT 000 TONNES

DESPATCHES															
MINE	COMM.	PLAN	FOR THE MONTH				GRTH %	TILL THE MONTH				GRTH %	STOCKS AT MINES		
		2018-19	TGT	ACT	%FF	LAST	OVER	TGT	ACT	%FF	LAST	OVER	AS ON		
						YR Nov 2017					LSTYR Nov 2017		YR	LSTYR	YEAR BEGN.
KIRIBURU	L	1300	110	90	81	104	-13.4	885	656	74	826	-20.5	28	35	18
	F	3000	250	249	100	254	-1.9	2080	1929	93	1863	3.5	1021	1010	1043
	T	4300	360	339	94	357	-5.2	2965	2585	87	2689	-3.9	1049	1045	1061
MEGHAHA TUBURU	L	1150	60	57	95	97	-41.3	810	648	80	742	-12.6	101	140	162
	F	2750	175	262	150	226	16.0	1945	1807	93	1613	12.1	552	372	362
	T	3900	235	319	136	323	-1.2	2755	2455	89	2354	4.3	653	512	524
BOLANI	L	2250	200	178	89	172	3.8	1515	1405	93	1311	7.2	133	131	151
	F	3950	360	316	88	241	31.3	2700	2245	83	2046	9.7	1522	1401	1387
	T	6200	560	494	88	413	19.8	4215	3650	87	3357	8.7	1655	1532	1538
BARSUA	L	680	70	61	87			385	311	81			15	39	37
	F	1370	160	122	76			680	608	89			194	246	255
	T	2050	230	183	79			1065	918	86			209	285	292
TALDIH	L	420	25			39	-100.0	310	176	57	266	-34.1	9	4	2
	F	480	45					265	103	39			9	4	2
	T	900	70			39	-100.0	575	279	48	266	4.7	18	8	4
KALTA	L	1000	80	75	94	78	-3.1	685	553	81	424	30.5	12	23	21
	F	1200	120	72	60	84	-14.4	690	471	68	471	0.0	13	10	18
	T	2200	200	147	74	162	-9.0	1375	1024	75	895	14.5	25	33	39
GUA	L	1000	80	68	85	53	29.8	690	715	104	521	37.4	30	27	26
	F	3200	270	177	66	258	-31.1	2130	1584	74	1775	-10.8	161	168	145
	T	4200	350	246	70	310	-20.8	2820	2299	82	2295	0.2	191	195	171
MANOHAR - PUR	L	350	25	42	169	14	196.9	235	254	108	119	112.7		5	2
	F	400	30	34	115	32	7.7	245	190	78	96	98.9	5	3	8
	T	750	55	77	139	46	65.9	480	444	92	215	106.5	5	8	10
TOTAL	L	8150	650	571	88	556	2.8	5515	4718	86	4208	12.1	328	404	419
	F	16350	1410	1233	87	1094	12.7	10735	8937	83	7863	13.7	3477	3214	3220
	T	24500	2060	1804	88	1650	9.4	16250	13655	84	12072	13.1	3805	3618	3639

IRON ORE MINES PERFORMANCE (ROM & DEVELOPMENT)

November 2018

UNIT 000 TE

DEVELOPMENT								
	FOR MONTH			TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF	TGT	ACT	%FF		
KIRIBURU	214	81	38	1579	731	46	1431	-49
MEGHAHATUBURU	610	157	26	2790	1875	67	2672	-30
BOLANI	325	262	81	2911	1995	69	2089	-5
BARSUA	80	46	58	730	198	27	44	350
TALDIH	30	0	0	180	65	36	168	-61
KALTA	0	0		0	0		20	-100
GUA	390	167	43	2030	980	48	1023	-4
MANOHARPUR	0	0		0	1		0	
TOTAL	1649	713	43	10220	5844	57	7446	-21.5

ROM								
KIRIBURU	360	360	100	2925	2611	89	2834	-8
MEGHAHATUBURU	210	335	160	2760	2546	92	2573	-1
BOLANI	580	499	86	4160	3610	87	3379	7
BARSUA	260	202	78	1240	1158	93	0	
TALDIH	70	0	0	575	443	77	646	-31
KALTA	200	151	75	1375	1020	74	906	13
GUA	350	230	66	2820	2457	87	2604	-6
MANOHARPUR	55	76	139	480	450	94	219	105
TOTAL	2085	1854	89	16335	14295	88	13160	9

TOTAL EXCAVATION								
KIRIBURU	574	442	77	4504	3342	74	4265	-22
MEGHAHATUBURU	820	492	60	5550	4420	80	5245	-16
BOLANI	905	761	84	7071	5605	79	5468	3
BARSUA	340	248	73	1970	1355	69	44	2983
TALDIH	100	0	0	755	508	67	814	-38
KALTA	200	151	75	1375	1020	74	925	10
GUA	740	397	54	4850	3436	71	3626	-5
MANOHARPUR	55	76	139	480	451	94	219	106
TOTAL	3734	2567	69	26555	20139	76	20606	-2

Performance against Last Year

Unit in Te	PREVIOUS YEAR EXCAVATION PERFORMANCE 2017-18																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalita			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	0	0	78111	53811	24300	125300	125300	0	436700	320600	116100	48679	48679	0	2410596	1409757	1000839
May-17	488520	318330	170190	547990	260190	287800	594504	458911	135593	4365	0	4365	140403	102558	37845	108247	108247	0	430265	315200	115065	49712	49712	0	2364006	1613148	750858
Jun-17	504310	370440	133870	644460	336060	308400	710439	397643	312796	945	0	945	112428	70353	42075	87500	87500	0	427628	333000	94628	31287	31287	0	2518997	1626283	892714
Jul-17	395010	344160	50850	630510	323010	307500	779891	354928	424963	0	0	0	84063	62328	21735	74600	74600	0	410665	323300	87365	0	0	0	2374739	1482326	892413
Aug-17	487860	403920	83940	747990	315990	432000	560903	430152	130751	1620	0	1620	78949	73819	5130	96353	96353	0	452670	315600	137070	0	0	0	2426345	1635834	790511
Sep-17	557660	364050	193610	645350	409950	235400	675522	432019	243503	0	0	0	113315	101480	11835	100760	100760	0	445325	295700	149625	4589	4589	0	2542521	1708548	833973
Oct-17	677616	401670	275946	719770	395370	324400	779895	453030	326865	13140	0	13140	102669	91239	11430	163300	163300	0	508510	354100	154410	42905	42905	0	3007805	1901614	1106191
Nov-17	587790	311670	276120	734660	399060	335600	785467	443610	341857	23895	0	23895	103890	90300	13590	169150	149600	19550	514255	346000	168255	42202	42202	0	2961309	1782442	1178867
Total	4265316	2833830	1431486	5244500	2572650	2671850	5468107	3379050	2089057	43965	0	43965	813828	645888	167940	925210	905660	19550	3626018	2603500	1022518	219374	219374	0	20606318	13159952	7446366

Unit in Te	THIS YEAR EXCAVATION PERFORMANCE 2018-19																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalita			Gua			Manoharpur			RMD TOTAL		
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB
Apr-18	414550	277830	136720	579990	299790	280200	693432	308108	385324	0	0	0	121796	98306	23490	141140	141140	0	468530	341000	127530	18700	18700	0	2438138	1484874	953264
May-18	464760	365490	99270	660790	297090	363700	697182	468363	228819	109405	88915	20490	111636	89676	21960	144020	144020	0	499250	341100	158150	70140	70140	0	2757183	1864794	892389
Jun-18	538824	346680	192144	595770	262170	333600	705132	485008	220124	197559	181049	16510	94690	79030	15660	117100	117100	0	406490	325310	81180	65968	64914	1054	2721533	1861261	860272
Jul-18	343980	310230	33750	489910	315810	174100	605878	449568	156310	157025	141235	15790	75485	71255	4230	89100	89100	0	427230	322650	104580	46439	46439	0	2235047	1746287	488760
Aug-18	346140	314280	31860	606930	358830	248100	706618	424818	281800	190450	155765	34685	60770	60770	0	127600	127600	0	410490	300060	110430	50834	50834	0	2499832	1792957	706875
Sep-18	373230	285570	87660	471450	298350	173100	649401	453150	196251	203212	177207	26005	21547	21547	0	108600	108600	0	414770	302090	112680	55376	55376	0	2297586	1701890	595696
Oct-18	418500	350550	67950	523280	378180	145100	786217	521929	264288	247501	211921	35580	22324	22324	0	142200	142200	0	412870	294520	118350	67291	67291	0	2620183	1988915	631268
Nov-18	441720	360270	81450	491930	335330	156600	761408	499367	262041	247874	201574	46300	0	0	0	150700	150700	0	396810	229860	166950	76423	76423	0	2566865	1853524	713341
Total	3341704	2610900	730804	4420050	2545550	1874500	5605268	3610311	1994957	1353026	1157666	195360	508248	442908	65340	1020460	1020460	0	3436440	2456590	979850	451171	450117	1054	20136367	14294502	5841865
Change Over Last Year																											
DIFF	-923612	-222930	-700682	-824450	-271100	-797350	137161	231261	-94100	1309061	1157666	151395	-305580	-202980	-102600	95250	114800	-19550	-189578	-146910	-42668	231797	230743	1054	-469951	1134550	-1604501
%Chg	-21.7	-7.9	-48.9	-15.7	-1.1	-29.8	2.5	6.8	-4.5	2977.5	-	344.4	-37.5	-31.4	-61.1	10.3	12.7	-100.0	-5.2	-5.6	-4.2	105.7	105.2	-	-2.3	8.6	-21.5

Performance against Last Year

Unit in Te	PREVIOUS YEAR PRODUCTION PERFORMANCE 2017-18																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-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	253168	323300				453692	883712	1337404
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	1998931	2603500	117966	101457	219423	4360604	8046363	12406967

	THIS YEAR PRODUCTION PERFORMANCE 2018-19																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-18	73813	204017	277830	82542	217606	300148	93647	217222	310869				39333	29869	69202	79217	88549	167766	92820	248180	341000	18700		18700	480072	1005443	1485515
May-18	83313	282177	365490	86157	217474	303631	184358	276615	460973	23342	65573	88915	35870	35918	71788	74843	71871	146714	94338	246762	341100	44310	25830	70140	626531	1222220	1848751
Jun-18	75868	270812	346680	68642	235470	304112	185256	292582	477838	50900	129999	180899	31623	13503	45126	61887	45438	107325	94500	230810	325310	33310	31604	64914	601986	1250218	1852204
Jul-18	86553	223677	310230	86047	135257	221304	193161	251857	445018	46105	85412	131517	28502	15190	43692	48711	16190	64901	96275	226375	322650	18981	27458	46439	604335	981416	1585751
Aug-18	90540	223740	314280	137381	135108	272489	188120	219138	407258	47165	99358	146523	24308	664	24972	78855	52463	131318	84805	215255	300060	31619	19215	50834	682793	964941	1647734
Sep-18	78941	206629	285570	80208	173058	253266	169437	269053	438490	50684	120045	170729	6464	10116	16580	62818	44316	107134	81045	221045	302090	35682	19694	55376	565279	1063956	1629235
Oct-18	85742	244808	350550	90090	270372	360462	217696	286553	504249	55820	148752	204572	6697		6697	74938	76859	151797	79019	215501	294520	31869	35426	67295	641871	1298271	1940142
Nov-18	77609	282661	360270	78050	248001	326051	197315	302994	500309	59480	132533	192013				73715	80549	154264	64574	165286	229860	38186	38237	76423	588929	1250261	1839190
Total	652379	1958521	2610900	709117	1632346	2341463	1428990	2116014	3545004	333496	781672	1115168	172797	105260	278057	554984	476235	1031219	687376	1769214	2456590	252657	197464	450121	4791796	9036726	13828522
Change Over Last Year																											
DIFF	-189975	28790	-161185	-46923	70260	23337	80480	140614	221094	333496	781672	1115168	-84120	105260	21140	120736	-2523	118213	82807	-229717	-146910	134691	96007	230698	431192	990363	1421555
%Chg	-22.6	1.5	-5.8	-6.2	4.5	1.0	6.0	7.1	6.7	-	-	-	-32.7	-	8.2	27.8	-0.5	12.9	13.7	-11.5	-5.6	114.2	94.6	105.1	9.9	12.3	11.5

Performance against Last Year

Unit in Te	PREVIOUS YEAR DESPATCH PERFORMANCE 2017-18																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-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	0	0	0	267644	0	267644	424011	471078	895089	520511	1775675	2296186	119298	95157	214455	4209499	7864010	12073509

THIS YEAR DESPATCH PERFORMANCE 2018-19																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-18	83370	219106	302476	124184	208457	332641	121767	314857	436624				41799	23872	65671	72764	88815	161579	110181	207154	317335	17613		17613	571678	1062261	1633939
May-18	86809	224600	311409	90587	221302	311889	143299	321339	464638	11027	13401	24428	28797	33720	62517	72019	67164	139183	105181	173192	278373	46414	22063	68477	584133	1076781	1660914
Jun-18	77029	251775	328804	51764	258754	310518	233646	310958	544604	48990	69219	118209	36341	16492	52833	71150	57334	128484	97799	171704	269503	30099	32631	62730	646818	1168867	1815685
Jul-18	86744	222210	308954	86332	189169	275501	196074	277784	473858	49665	110036	159701	32062	14194	46256	46764	14455	61219	99794	213607	313401	22072	26515	48587	619507	1067970	1687477
Aug-18	70849	232280	303129	103720	211329	315049	195435	210652	406087	34538	112653	147191	10639		10639	79638	39235	118873	89921	225752	315673	25664	18954	44618	610404	1050855	1661259
Sep-18	82155	272635	354790	83990	211535	295525	175113	220309	395422	42903	86578	129482	3846	14883	18729	57156	57061	114217	70118	204300	274418	41073	22560	63633	556354	1089861	1646216
Oct-18	79501	257678	337179	50670	243433	294103	161384	273019	434403	63013	93967	156980	22076		22076	78468	75139	153607	73948	210812	284760	28569	32913	61482	557629	1186961	1744590
Nov-18	89635	249059	338694	57001	262146	319147	178349	315854	494204	60598	122130	182727				75421	71650	147071	68147	177431	245578	42182	34414	76596	571333	1232685	1804018
Total	656092	1929343	2585435	648248	1806125	2454373	1405067	2244772	3649840	310734	607984	918718	175560	103161	278721	553380	470853	1024233	715089	1583952	2299041	253686	190050	443736	4717857	8936241	13654097
Change Over Last Year																											
DIFF	-169620	65968	-103652	-93435	193435	100000	94427	198737	293165	310734	607984	918718	-92084	103161	11077	129369	-225	129144	194578	-191723	2855	134388	94893	229281	508358	1072231	1580588
%Chg	-20.5	3.5	-3.9	-12.6	12.0	4.2	7.2	9.7	8.7	-	-	-	-34.4	-	4.1	30.5	0.0	14.4	37.4	-10.8	0.1	112.6	99.7	106.9	12.1	13.6	13.1

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018
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	70	19	27	500	258	52	277	-7	90	67	74	610	719	118	663	8	160	86	54	1110	976	88	940	4
MBR	40	23	58	530	273	52	399	-32	55	70	127	630	686	109	727	-6	95	93	98	1160	959	83	1126	-15
BOL	35	63	179	285	460	161	437	5	140	37	26	1090	503	46	544	-7	175	100	57	1375	963	70	981	-2
BAR	20	20	102	115	44	38			15	96	642	70	443	633			35	117	333	185	487	263		
TAL					36		46	-20	45			165	103	63			45			165	140	85	46	205
KAL	20	18	90	80	297	372	91	227		4			94		135	-30	20	22	109	80	391	489	226	73
GUA	15	4	27	100	23	23	132	-83		13			81		357	-77	15	17	114	100	105	105	489	-79
MPR	25	32	127	235	170	72	54	213	30	34	115	195	138	71	48	186	55	66	120	430	308	72	102	200
RMD TOT	225	179	80	1845	1562	85	1437	9	375	321	86	2760	2767	100	2473	12	600	500	83	4605	4329	94	3910	11
DRZ																								
PUR																								
GR TOT	225	179	80	1845	1562	85	1437	9	375	321	86	2760	2767	100	2473	12	600	500	83	4605	4329	94	3910	11
FLUXES																								
KTR	45	24	54	311	225	72	198	14																
TDMR	10	6	57	70	45	64	53	-16																
TOT	55	30	54	381	270	71	251	7																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018
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	-100														8	-100	
MBR					7		27	-74		17			91		18	410		17			98		45	119
BOL	115	97	84	810	689	85	554	24	150	163	109	1050	1105	105	799	38	265	260	98	1860	1794	96	1353	33
BAR																								
TAL																								
KAL																								
GUA	40	22	54	355	285	80	290	-2	75	53	71	620	658	106	645	2	115	75	65	975	943	97	934	1
MPR							4	-100														4	-100	
RMD TOT	155	119	76	1165	981	84	883	11	225	233	104	1670	1854	111	1461	27	380	352	93	2835	2835	100	2344	21
DRZ																								
PUR																								
GR TOT	155	119	76	1165	981	84	883	11	225	233	104	1670	1854	111	1461	27	380	352	93	2835	2835	100	2344	21
0									FLUXES															
KTR		4		30	32	108	12	169																
TDMR							4	-100																
TOT		4		30	32	108	16	102																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018

राउरकेला इस्पात संयंत्र

UNIT '000 TONNES

UNIT - %FF FINESS																								
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	20	71	353	265	398	150	540	-26	100	179	179	920	1159	126	1030	12	120	250	208	1185	1557	131	1570	-1
MBR	20	34	170	280	365	130	316	16	30	153	509	590	892	151	742	20	50	187	373	870	1257	145	1057	19
BOL																								
BAR	50	40	80	270	267	99			75	26	34	260	165	63			125	66	53	530	431	81		
TAL	25			310	139	45	201	-31				100					25			410	139	34	201	-31
KAL	55	57	104	525	256	49	310	-17	120	68	57	690	377	55	318	19	175	125	72	1215	633	52	627	1
GUA																								
MPR		11			80		11	607				50	45	90	38	18		11		50	125	249	49	153
RMD TOT	170	213	125	1650	1505	91	1378	9	325	426	131	2610	2638	101	2127	24	495	639	129	4260	4143	97	3506	18
PUR																								
DRZ					6		3	100													6		3	100
GR TOT	170	213	125	1650	1511	92	1381	9	325	426	131	2610	2638	101	2127	24	495	639	129	4260	4149	97	3509	18
0																								
FLUXES																								
KTR	20			127	52	41	65	-19																
TDMR		3		24	11	46	33	-67																
TOT	20	3	14	151	63	42	98	-36																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018
बर्नपूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	20			120									3		7	-55	20			120	3	3	7	-55
MBR					3				40	22	56	340	130	38	108	20	40	22	56	340	133	39	108	23
BOL	50	19	38	420	256	61	319	-20	70	116	166	560	637	114	704	-10	120	135	112	980	893	91	1023	-13
BAR																								
TAL							19	-100														19	-100	
KAL	5			80			23	-100							19	-100	5			80			42	-100
GUA	25	42	169	235	407	173	99	313	165	111	67	1235	845	68	773	9	190	154	81	1470	1252	85	871	44
MPR					4		50	-93					8		9	-20					11		60	-81
RMD TOT	100	61	61	855	670	78	510	31	275	250	91	2135	1622	76	1621	0	375	311	83	2990	2292	77	2131	8
DRZ																								
PUR																								
GR TOT	100	61	61	855	670	78	510	31	275	250	91	2135	1622	76	1621	0	375	311	83	2990	2292	77	2131	8
FLUXES																								
KTR																								
TDMR				4	3	66	8	-67																
TOT				4	3	66	8	-67																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018
 भिलाई 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									30	3	10	450	49	11	164	-70	30	3	10	450	49	11	164	-70
MBR													8		18	-58					8		18	-58
BOL																								
BAR									70			350					70			350				
TAL																								
KAL																								
GUA																								
MPR																								
RMD TOT									100	3	3	800	56	7	182	-69	100	3	3	800	56	7	182	-69
DRZ																								
PUR																								
GR TOT									100	3	3	800	56	7	182	-69	100	3	3	800	56	7	182	-69
FLUXES																								
KTR	55	32	59	432	278	64	355	-22																
TDMR	5	3	57	52	84	162	24	252																
TOT	60	35	58	484	363	75	379	-4																

IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

November 2018

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	90	81	885	656	74	826	-21	220	249	113	1980	1929	97	1863	4	330	339	103	2865	2585	90	2689	-4
MBR	60	57	95	810	648	80	742	-13	125	262	210	1560	1807	116	1613	12	185	319	173	2370	2455	104	2354	4
BOL	200	178	89	1515	1405	93	1311	7	360	316	88	2700	2245	83	2046	10	560	494	88	4215	3650	87	3357	9
BAR	70	61	87	385	311	81			160	122	76	680	608	89			230	183	79	1065	918	86		
TAL	25			310	176	57	266	-34	45			265	103	39			70			575	279	48	266	5
KAL	80	75	94	685	553	81	424	31	120	72	60	690	471	68	471	0	200	147	74	1375	1024	75	895	14
GUA	80	68	85	690	715	104	521	37	240	177	74	1855	1584	85	1775	-11	320	246	77	2545	2299	90	2295	0
MPR	25	42	169	235	254	108	119	113	30	34	115	245	190	78	96	99	55	77	139	480	444	92	215	107
RMD TOT	650	571	88	5515	4718	86	4208	12	1300	1233	95	9975	8937	90	7863	14	1950	1804	93	15490	13655	88	12072	13
PUR																								
DRZ					6		3	100													6		3	100
GR TOT	650	571	88	5515	4724	86	4211	12	1300	1233	95	9975	8937	90	7863	14	1950	1804	93	15490	13661	88	12075	13
FLUXES																								
KTR	120	60	50	900	587	65	630	-7																
IDMR	15	11	76	150	143	95	123	16																
TOT	135	72	53	1050	730	70	752	-3																

FLUX MINES OPERATIONS

November 2018

UNIT 000 TONNES

PRODUCTION

MINE		PLAN	FOR THE MONTH				GRTH %	TILL THE MONTH				GRTH %
		2018-19	TGT	ACT	%FF	LAST YR Nov 2017	OVER LSTYR Nov 2017	TGT	ACT	%FF	LAST YR	OVER LSTYR
KUTESHWAR	LST	1365	120	53	44	62	-14.5	900	547	61	617	-11.4
TULSIDAMAR	DOLO	210	15	16	107	22	-26.4	150	123	82	134	-8.1
RMD TOTAL		1575	135	69	51	84	-17.6	1050	670	64	751	-10.8

DESPATCHES

MINE		PLAN	FOR THE MONTH				GRTH %	TILL THE MONTH				GRTH %
		2018-19	TGT	ACT	%FF	LAST YR	OVER LSTYR	TGT	ACT	%FF	LAST YR	OVER LSTYR
KUTESHWAR	LST	1365	120	60	50	57	6.3	900	587	65	630	-6.7
TULSIDAMAR	DOLO	210	15	11	76	8	35.8	150	143	95	123	16.5
RMD TOTAL		1575	135	72	53	65	10.1	1050	730	70	752	-2.9

Monthwise Performance against Last Year

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

THIS YEAR FLUX PERFORMANCE 2018-19						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-18	65064	72530	13836	22043	78900	94573
May-18	75105	88888	14281	12952	89386	101840
Jun-18	98203	88408	15876	21881	114079	110289
Jul-18	81536	80318	12834	20622	94370	100940
Aug-18	46162	48192	14831	26918	60993	75110
Sep-18	67847	80480	19986	12059	87833	92539
Oct-18	60349	68474	14957	14969	75306	83443
Nov-18	53305	60324	16047	11375	69352	71699
Total	547571	587614	122648	142819	670219	730433

Over Last Year

DIFF	-69781	-42100	-10949	20175	-80730	-21925
%Chg	-11.3	-6.7	-8.2	16.5	-10.8	-2.9

QUALITY ANALYSED AT PLANT

November 2018

बोकारो इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

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	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT	62.45	3.51	2.27	15.00	17.03	62.18	3.51	2.51	10.10	35.66		MTH ACT	29.78	17.64	5.12	4.55	9.20
CUM	2018-19	62.59	3.63	1.80	14.19	19.30	62.10	3.81	2.34	9.89	30.55	CUM	2018-19	29.34	19.31	4.96	5.27	9.06
CUM	2017-18	63.10	2.91	1.78	13.55	20.35	62.29	3.38	2.47	9.89	29.91	CUM	2017-18	29.75	18.89	5.47	5.92	9.88

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	63.26	2.92	1.74	14.35	16.15	61.64	4.29	2.64	5.16	36.53		MTH ACT	40.65	3.73	3.63	7.71	22.66
CUM	2018-19	62.82	3.16	1.98	14.56	20.34	61.74	4.18	2.55	5.10	35.64	CUM	2018-19	43.95	2.54	3.65	5.80	24.87
CUM	2017-18	62.88	3.04	1.93	14.90	21.66	61.92	3.83	2.53	5.49	35.27	CUM	2017-18	45.56	2.57	3.33	4.00	26.14

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00
	MTH ACT	62.61	3.45	2.02	13.95	19.80	61.96	3.85	2.46	3.65	40.28
CUM	2018-19	62.94	3.03	1.90	18.45	19.96	62.44	3.46	2.18	2.86	41.62
CUM	2017-18	62.73	3.02	2.02	10.95	25.04	62.62	3.15	2.01	2.62	40.59

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00
	MTH ACT	63.13	2.53	2.16	20.77	13.85	62.01	3.52	2.75	5.81	33.91
CUM	2018-19	62.91	3.01	1.98	19.36	18.32	61.90	3.58	2.68	5.73	34.63
CUM	2017-18	62.98	2.78	1.98	16.54	21.21	62.19	3.30	2.60	5.68	34.46

BAR	NORM	62.50	2.70	2.60	5.00	10.00	62.00	2.80	3.20	5.00	30.00
	MTH ACT	62.69	2.23	3.13	18.20	18.00	61.29	3.57	3.74	6.68	33.16
CUM	2018-19	62.89	2.21	3.05	18.41	17.05	61.64	3.35	3.59	5.87	34.74
CUM	2017-18										

KAL	NORM	63.00	2.10	2.30	0.00	10.00	63.00	2.40	2.50	5.00	40.00
	MTH ACT	64.16	1.74	1.76	9.45	12.78	62.53	2.73	2.98	4.40	30.10
CUM	2018-19	63.75	2.14	2.08	6.60	13.04	63.22	2.50	2.47	4.62	30.18
CUM	2017-18	64.36	1.80	1.50	6.76	12.44	63.70	2.20	1.90	4.30	29.54

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00
	MTH ACT	63.99	1.76	1.88	12.46	14.01	63.15	2.40	2.60	4.78	30.41
CUM	2018-19	63.83	2.10	1.91	12.77	11.85	63.22	2.43	2.44	4.64	30.18
CUM	2017-18	64.61	1.57	1.42	10.76	12.45	63.59	2.12	2.17	4.41	30.08

TAL	NORM	63.00	2.40	2.40	0.00	10.00	62.00	3.00	3.00	10.00	40.00
	MTH ACT										
CUM	2018-19	63.30	2.46	2.14	12.17	14.63	62.50	2.90	3.05	4.66	31.05
CUM	2017-18	63.54	2.25	1.92	7.48	13.66	62.64	2.64	3.03	4.60	29.80

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FLUX

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	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT												MTH ACT					
CUM	2018-19											CUM	2018-19					
CUM	2017-18	63.30	2.70	1.90	4.40	22.80						CUM	2017-18	30.40	16.20	4.40	71.80	10.40

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						61.44	5.36	2.18	3.84	51.88		MTH ACT	47.40	2.70	4.90	16.60	36.50
CUM	2018-19	62.80	2.60	2.00	17.60	4.20	61.72	4.41	2.13	3.49	43.64	CUM	2018-19	47.53	2.12	4.43	24.27	19.81
CUM	2017-18	62.78	2.70	1.23	12.60	19.89	62.92	3.45	2.03	3.94	47.59	CUM	2017-18	45.70	2.28	4.53	31.28	11.88

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00
	MTH ACT	62.20	3.30	1.72	22.00	15.80	62.66	3.89	1.99	3.12	51.06
CUM	2018-19	62.53	3.26	1.66	21.86	15.12	63.23	3.16	1.96	2.41	51.56
CUM	2017-18	62.72	2.94	1.59	10.62	16.98	63.95	2.47	1.58	2.43	51.83

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00
	MTH ACT	62.77	2.63	1.78	23.10	12.73	62.28	3.20	2.89	5.46	41.42
CUM	2018-19	62.22	2.97	1.94	21.95	14.57	62.57	3.03	2.49	5.57	41.18
CUM	2017-18	62.70	2.27	1.95	15.32	15.19	62.89	2.69	2.26	5.71	41.45

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FLUX

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	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT	62.43	3.24	2.98	15.80	21.00	61.99	3.34	2.80	8.00	38.00		MTH ACT	28.30	18.30	8.00		
CUM	2018-19	62.59	3.14	2.84	13.54	19.66	62.08	3.20	2.81	4.25	20.26	CUM	2018-19	29.24	17.62	6.54		
CUM	2017-18	62.53	3.04	2.66	14.17	21.64	62.19	3.08	2.51	8.00	34.25	CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50.00	2.25	3.50	5.00	5.00
	MTH ACT	62.49	3.25	2.89	17.90	20.00	62.00	3.40	2.80				MTH ACT					
CUM	2018-19	62.54	3.09	2.96	12.96	19.97	61.99	3.37	2.77	1.77	7.72	CUM	2018-19					
CUM	2017-18	62.45	2.95	2.53	15.25	18.89	62.13	3.08	2.56	8.23	28.85	CUM	2017-18	49.10	2.77	3.56		

BAR	NORM	62.50	2.70	2.60	5.00	10.00	62.00	2.80	3.20	5.00	30.00
	MTH ACT	62.31	3.21	3.17	15.00	21.90	61.85	3.30	2.91		
CUM	2018-19	62.41	3.09	3.15	12.55	22.24	61.78	3.40	3.01	5.23	9.30
CUM	2017-18										

KAL	NORM	63.00	2.10	2.30	0.00	10.00	63.00	2.40	2.50	5.00	40.00
	MTH ACT	63.39	2.37	2.41	15.40	16.30	62.92	2.48	2.34	7.00	39.00
CUM	2018-19	63.53	2.35	2.24	12.53	16.44	63.03	2.35	2.10	3.64	20.18
CUM	2017-18	63.36	2.08	2.07	9.81	16.57	63.00	2.26	2.14	7.35	28.90

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00
	MTH ACT	63.16	2.77	2.47	18.70	16.30					
CUM	2018-19	63.44	2.50	2.26	16.25	15.64	62.96	2.48	2.45	7.86	34.83
CUM	2017-18	63.44	2.07	2.14	16.32	17.40	62.54	2.53	2.58	5.66	30.75

TAL	NORM	63.00	2.40	2.40	0.00	10.00	62.00	3.00	3.00	10.00	40.00
	MTH ACT										
CUM	2018-19	63.46	2.45	2.26	9.36	17.55					
CUM	2017-18	63.44	2.12	2.05	10.23	16.33					

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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	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT												MTH ACT					
CUM	2018-19						62.70	2.24	3.35	13.13	41.97	CUM	2018-19					
CUM	2017-18	63.51	3.36	2.02	23.17	1.00	62.59	2.62	3.35	9.30	42.42	CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						59.89	5.43	4.35	4.84	44.68		MTH ACT					
CUM	2018-19	64.79	1.47	1.18	66.82	0.70	61.21	4.83	3.17	8.37	37.37	CUM	2018-19					
CUM	2017-18	61.13	1.87	4.21	19.60		62.01	3.55	3.53	7.77	38.51	CUM	2017-18					

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00
	MTH ACT	61.69	4.82	2.76	26.40	5.63	61.95	4.67	2.58	6.55	46.32
CUM	2018-19	63.08	3.14	1.89	22.66	2.22	62.98	3.49	2.24	4.81	49.55
CUM	2017-18	62.82	2.93	2.43	22.20	2.50	62.95	2.83	2.75	3.39	50.66

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00
	MTH ACT	63.76	2.14	2.15	23.01	2.45	61.70	4.11	3.16	7.76	39.40
CUM	2018-19	62.65	3.68	2.02	20.18	1.16	61.81	3.84	3.12	8.45	40.19
CUM	2017-18	62.64	2.81	3.01	17.15	5.55	62.37	2.93	3.14	9.05	42.61

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00
	MTH ACT										
CUM	2018-19	63.84	2.70	2.04	21.63	4.03	63.22	3.69	1.78	2.82	61.50
CUM	2017-18	62.41	2.41	3.68	23.83	4.96	61.01	3.09	4.95	3.76	43.00

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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	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30.0	18.0	5.0	5.0	10.0
	MTH ACT						63.79	3.23	1.74	6.70	54.90		MTH ACT	28.45	18.52	6.81	28.60	9.10
CUM	2018-19						62.90	4.53	1.87	11.00	38.85	CUM	2018-19	28.43	17.68	8.35	34.68	9.58
CUM	2017-18											CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50.0	2.25	3.50	5.0	5.0
	MTH ACT												MTH ACT	48.63	2.88	4.33	9.86	20.61
CUM	2018-19						62.32	4.69	1.61	1.10	39.60	CUM	2018-19	49.99	2.19	3.92	7.89	8.84
CUM	2017-18											CUM	2017-18	50.46	1.89	3.64	7.16	18.33

BAR	NORM	62.50	2.70	2.60	5.00	10.00	62.00	2.80	3.20	5.00	30.00
	MTH ACT										
CUM	2018-19										
CUM	2017-18										

KAL	NORM	63.00	2.10	2.30	0.00	10.00	63.00	2.40	2.50	5.00	40.00
	MTH ACT										
CUM	2018-19										
CUM	2017-18										

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00
	MTH ACT										
CUM	2018-19										
CUM	2017-18										

TAL	NORM	63.00	2.40	2.40	0.00	10.00	62.00	3.00	3.00	10.00	40.00
	MTH ACT										
CUM	2018-19										
CUM	2017-18										

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.74	2.99	2.34	13.94	21.08	5.33	0.78	
APP 18-19	62.70	2.80	2.50	5.00	10.00	5.30	0.89	
Apr-18	62.81	3.09	2.44	16.20	17.03	5.53	0.79	84301
May-18	62.90	2.92	2.36	11.48	18.25	5.28	0.81	87515
Jun-18	62.73	2.96	2.57	13.00	17.55	5.53	0.87	72702
Jul-18	62.56	3.63	2.10	11.74	22.34	5.73	0.58	89879
Aug-18	62.48	3.76	2.12	12.68	21.33	5.88	0.56	67213
Sep-18	62.39	3.92	2.02	15.84	19.28	5.94	0.52	86320
Oct-18	62.40	3.10	3.02	13.72	20.32	6.13	0.97	80665
Nov-18	62.43	3.30	2.83	15.63	20.14	6.12	0.86	87475
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.59	3.33	2.43	13.82	19.53	5.76	0.73	656070

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.68	2.99	2.18	15.00	20.32	5.17	0.73	
APP 18-19	62.50	3.00	2.50	5.00	10.00	5.50	0.83	
Apr-18	62.72	3.03	2.43	14.42	17.36	5.45	0.80	121538
May-18	62.75	2.91	2.62	11.74	17.61	5.53	0.90	90960
Jun-18	62.56	3.26	2.53	13.84	20.31	5.79	0.77	53604
Jul-18	62.65	3.34	2.46	12.82	22.73	5.80	0.74	86004
Aug-18	62.55	3.23	2.49	12.20	23.05	5.72	0.77	106271
Sep-18	62.71	3.02	2.52	15.04	20.37	5.54	0.84	80515
Oct-18	62.61	2.96	2.92	17.42	18.86	5.87	0.99	55486
Nov-18	62.80	3.12	2.43	16.49	18.47	5.55	0.78	57382
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.67	3.11	2.53	13.94	19.87	5.64	0.82	651760

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.23	3.19	2.50	8.68	32.69	5.69	0.78	
APP 18-19	62.50	3.20	2.60	5.00	30.00	5.80	0.81	
Apr-18	62.27	3.12	2.71	10.17	29.79	5.82	0.87	224518
May-18	62.19	3.06	2.86	10.54	31.07	5.92	0.94	214882
Jun-18	62.25	3.17	2.69	7.45	32.15	5.86	0.85	250772
Jul-18	62.06	3.52	2.61	8.20	32.85	6.13	0.74	226427
Aug-18	62.02	3.96	2.23	9.38	30.25	6.20	0.56	229623
Sep-18	62.04	3.95	2.34	11.02	31.67	6.29	0.59	270810
Oct-18	62.00	3.42	2.78	8.60	34.89	6.21	0.81	260109
Nov-18	62.06	3.38	2.71	8.55	37.56	6.09	0.80	258083
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.11	3.46	2.61	9.23	32.64	6.07	0.76	1935224

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.04	3.44	2.59	6.94	32.44	6.03	0.75	
APP 18-19	62.00	3.90	2.60	5.00	35.00	6.50	0.67	
Apr-18	62.03	3.32	2.82	5.53	35.29	6.14	0.85	203415
May-18	61.78	3.64	2.92	5.02	37.76	6.57	0.80	221291
Jun-18	61.81	3.79	2.73	5.65	35.66	6.52	0.72	259755
Jul-18	61.97	3.63	2.58	7.12	35.16	6.21	0.71	185424
Aug-18	61.85	4.28	2.25	6.74	33.38	6.53	0.53	196224
Sep-18	61.98	3.94	2.45	5.23	36.78	6.39	0.62	224045
Oct-18	61.72	3.93	2.66	4.17	39.71	6.59	0.68	246251
Nov-18	61.69	3.93	2.85	4.89	40.65	6.78	0.73	261435
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	61.84	3.81	2.67	5.46	37.00	6.48	0.70	1797840

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.77	2.56	2.23	16.16	14.54	4.79	0.87	
APP 18-19	62.70	2.70	2.40	5.00	10.00	5.10	0.89	
Apr-18	63.20	2.07	2.09	23.00	10.70	4.16	1.01	125758
May-18	62.68	2.26	2.12	17.05	13.49	4.38	0.94	140298
Jun-18	62.64	2.73	2.17	20.97	13.80	4.90	0.79	216129
Jul-18	62.51	3.20	1.87	15.78	17.77	5.08	0.58	173171
Aug-18	62.50	3.88	1.55	18.00	13.59	5.42	0.40	192079
Sep-18	62.18	3.60	1.99	23.74	12.96	5.60	0.55	179450
Oct-18	61.65	4.19	2.06	25.72	10.51	6.25	0.49	169282
Nov-18	62.99	2.55	1.95	22.25	12.20	4.50	0.77	170096
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.52	3.12	1.97	20.79	13.24	5.08	0.63	1366263

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.74	2.96	1.86	13.08	15.88	4.82	0.63	
APP 18-19	62.50	3.00	2.20	5.00	10.00	5.20	0.73	
Apr-18	63.19	2.28	1.74	25.25	4.92	4.02	0.76	107438
May-18	63.11	2.89	1.76	14.83	9.00	4.64	0.61	108220
Jun-18	63.50	2.08	1.99	14.25	5.83	4.06	0.96	101865
Jul-18	62.72	4.09	1.53	16.21	7.99	5.62	0.37	97342
Aug-18	62.57	4.01	1.53	24.44	8.56	5.54	0.38	85455
Sep-18	62.38	3.31	1.87	23.62	13.01	5.18	0.56	67829
Oct-18	63.02	3.18	1.77	39.65	5.80	4.95	0.56	82249
Nov-18	61.91	4.26	2.39	24.27	9.69	6.64	0.56	69008
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.86	3.18	1.80	22.20	7.83	4.99	0.57	719406

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.53	2.94	2.65	6.84	39.97	5.59	0.90	
APP 18-19	62.50	2.90	2.80	5.00	35.00	5.70	0.97	
Apr-18	62.54	2.86	2.78	6.51	42.47	5.65	0.97	305439
May-18	62.15	3.31	2.79	5.23	41.13	6.09	0.84	326463
Jun-18	61.91	3.20	3.20	6.28	41.02	6.40	1.00	302797
Jul-18	61.88	3.67	2.90	5.98	37.91	6.57	0.79	276620
Aug-18	62.44	3.69	1.98	6.48	40.06	5.67	0.54	213558
Sep-18	62.29	3.76	2.23	7.98	35.88	5.99	0.59	226512
Oct-18	62.42	3.24	2.49	7.19	35.80	5.73	0.77	281369
Nov-18	62.03	3.58	2.98	6.37	39.88	6.56	0.83	297813
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.20	3.39	2.71	6.44	39.43	6.10	0.80	2230571

गुआ

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.26	2.76	2.16	2.88	49.07	4.92	0.78	
APP 18-19	62.50	2.90	2.80	5.00	45.00	5.70	0.97	
Apr-18	62.83	2.83	2.58	4.45	49.64	5.41	0.91	226000
May-18	62.49	3.42	2.44	3.05	49.27	5.86	0.71	193903
Jun-18	63.15	3.03	2.08	3.06	53.79	5.11	0.69	189726
Jul-18	63.27	3.59	1.99	4.21	47.87	5.58	0.55	213639
Aug-18	63.18	3.76	1.82	3.30	51.20	5.58	0.48	220940
Sep-18	63.77	2.89	1.78	2.83	51.54	4.67	0.62	198606
Oct-18	63.45	3.03	1.93	3.78	49.26	4.96	0.64	209390
Nov-18	62.18	4.36	2.38	5.23	47.44	6.74	0.55	183303
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.05	3.35	2.12	3.74	49.99	5.48	0.63	1635507

बरसुआ

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18								
APP 18-19	62.50	2.70	2.60	5.00	10.00	5.30	0.96	
Apr-18								
May-18	62.88	2.48	3.21	9.20	15.60	5.69	1.29	15027
Jun-18	63.30	2.32	2.56	12.97	18.90	4.89	1.10	52415
Jul-18	62.40	2.94	3.30	10.13	24.17	6.24	1.13	43071
Aug-18	62.09	3.85	3.01	11.90	24.30	6.86	0.78	39295
Sep-18	62.09	3.48	3.12	13.00	22.30	6.59	0.90	42544
Oct-18	62.33	2.80	3.54	15.68	21.80	6.33	1.26	63964
Nov-18	62.43	2.91	3.16	15.99	20.69	6.06	1.09	58251
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.48	2.97	3.13	13.38	21.52	6.10	1.06	314567

तल्डीह

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.39	2.16	2.14	9.49	15.17	4.30	0.99	
APP 18-19	63.00	2.40	2.40		10.00	4.80	1.00	
Apr-18	63.77	2.31	1.99	9.28	16.35	4.29	0.86	41090
May-18	63.36	2.55	2.32	9.20	15.60	4.87	0.91	25921
Jun-18	63.16	2.59	2.55	9.30	19.50	5.14	0.98	35878
Jul-18	63.29	2.49	2.42	10.58	18.84	4.91	0.97	37901
Aug-18	63.36	2.55	2.32	9.00	16.00	4.87	0.91	10639
Sep-18	62.51	3.59	1.98	11.50	14.40	5.57	0.55	3846
Oct-18	63.72	2.09	1.80	12.11	13.13	3.89	0.86	22143
Nov-18								
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.43	2.45	2.24	9.94	16.95	4.69	0.91	177418

बरसुआ

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18								
APP 18-19	62.00	2.80	3.20	5.00	30	6.00	1.14	
Apr-18								
May-18	61.71	3.36	3.68	4.10	30.10	7.04	1.09	13129
Jun-18	62.62	2.77	2.93	3.43	31.67	5.70	1.06	69197
Jul-18	61.82	3.31	3.50	5.81	36.49	6.81	1.05	115327
Aug-18	61.65	3.37	3.37	7.29	36.96	6.73	1.00	102123
Sep-18	61.59	3.36	3.43	10.68	35.08	6.79	1.02	83851
Oct-18	61.32	3.67	3.57	12.46	34.61	7.23	0.97	92509
Nov-18	61.39	3.52	3.59	6.68	33.16	7.11	1.02	143095
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	61.67	3.37	3.44	7.60	34.65	6.81	1.02	619231

तल्डीह

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.64	2.64	3.03	4.60	29.80	5.67	1.15	
APP 18-19	62.00	3.00	3.00	10.00	40.00	6.00	1.00	
Apr-18	62.88	2.65	2.93	3.83	29.80	5.58	1.11	27800
May-18	63.01	2.65	2.69	4.63	30.61	5.34	1.02	24214
Jun-18	62.27	2.77	3.57	5.40	36.25	6.34	1.29	12938
Jul-18	62.33	2.95	3.33	4.68	30.72	6.28	1.13	14317
Aug-18								
Sep-18	61.57	3.67	3.13	5.40	30.12	6.80	0.85	18508
Oct-18								
Nov-18								
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.50	2.90	3.05	4.66	31.05	5.95	1.05	97777

मनोहरपुर

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.95	1.81	2.04	14.25	11.85	3.85	1.13	
APP 18-19	63.00	2.00	2.20		10.00	4.20	1.10	
Apr-18	63.85	2.37	1.91	17.35	10.12	4.27	0.80	14822
May-18	63.82	2.21	2.05	13.16	12.54	4.26	0.93	51785
Jun-18	63.70	2.20	2.21	12.40	14.14	4.41	1.01	26780
Jul-18	63.85	2.16	2.02	12.37	14.53	4.19	0.94	14930
Aug-18	63.64	2.51	2.08	12.07	14.72	4.59	0.83	26105
Sep-18	63.52	2.27	1.95	12.31	12.63	4.23	0.86	41643
Oct-18	63.61	2.23	1.94	19.75	10.64	4.17	0.87	32349
Nov-18	63.74	2.07	2.06	14.35	14.71	4.13	1.00	35653
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.70	2.24	2.03	14.07	13.00	4.27	0.91	244067

काल्टा

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.59	2.02	1.98	9.38	14.97	4.00	0.98	
APP 18-19	63.00	2.10	2.30	5.00	10.00	4.40	1.10	
Apr-18	63.80	2.23	2.12	5.36	12.98	4.36	0.95	76378
May-18	63.73	2.27	2.13	6.78	13.80	4.40	0.94	75302
Jun-18	63.63	2.24	2.23	6.57	14.41	4.47	0.99	66194
Jul-18	63.36	2.46	2.32	9.01	13.89	4.77	0.94	51977
Aug-18	63.75	2.16	1.94	7.76	14.65	4.10	0.90	89996
Sep-18	63.74	2.11	2.15	11.85	16.17	4.26	1.02	57629
Oct-18	63.53	2.28	2.20	13.65	15.47	4.48	0.96	79592
Nov-18	63.54	2.25	2.29	14.26	15.63	4.54	1.02	77665
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.64	2.24	2.16	9.39	14.62	4.40	0.96	574733

मनोहरपुर

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.08	2.32	2.59	4.55	31.83	4.91	1.12	
APP 18-19	63.00	2.40	2.60	5.00	40.00	5.00	1.08	
Apr-18								
May-18	63.48	2.18	2.55	4.35	29.58	4.73	1.17	18163
Jun-18	63.21	2.81	2.33	5.15	38.40	5.14	0.83	33712
Jul-18	63.20	2.42	2.39	5.31	30.66	4.81	0.99	30698
Aug-18	62.98	2.47	2.54	5.13	30.38	5.01	1.03	19028
Sep-18	62.97	2.89	2.17	5.87	32.36	5.07	0.75	26572
Oct-18	63.25	2.16	2.38	6.00	33.02	4.54	1.10	29959
Nov-18	63.15	2.40	2.60	4.78	30.41	5.00	1.08	39390
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.17	2.49	2.42	5.25	32.39	4.91	0.97	197522

काल्टा

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.09	2.30	2.19	6.89	29.41	4.50	0.95	
APP 18-19	63.00	2.40	2.50	5.00	40.00	4.90	1.04	
Apr-18	63.16	2.03	1.69	5.00	33.50	3.72	0.83	93661
May-18	63.04	2.55	2.18	6.02	26.52	4.73	0.86	73217
Jun-18	63.11	2.49	2.57	4.37	30.44	5.05	1.03	60728
Jul-18	62.98	2.42	2.52	6.88	33.00	4.94	1.04	14815
Aug-18	62.73	3.00	1.90			4.90	0.63	42742
Sep-18	63.14	2.25	2.24	5.48	30.00	4.49	1.00	58302
Oct-18	63.18	2.24	2.28	4.83	30.63	4.52	1.02	73882
Nov-18	62.90	2.49	2.37	6.87	38.56	4.86	0.95	72362
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.06	2.39	2.17	5.48	31.81	4.56	0.91	489709

गृणवत्ता :: बोकारो

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	63.19	2.73	1.86	13.54	19.96	4.58	0.68	2226628
APP 18-19	62.67	2.71	2.44	2.78	10.00	5.15	0.90	2700000
Apr-18	63.09	2.75	2.20	11.93	16.11	4.95	0.80	178066
May-18	63.22	2.69	2.12	10.39	16.22	4.81	0.79	185906
Jun-18	63.02	2.73	2.36	12.99	18.16	5.08	0.86	183133
Jul-18	62.74	3.43	1.98	12.88	20.59	5.41	0.58	201770
Aug-18	63.21	2.84	1.73	14.73	18.05	4.57	0.61	229223
Sep-18	63.09	3.00	1.76	18.02	16.58	4.75	0.59	222396
Oct-18	63.35	2.61	1.83	15.72	14.49	4.43	0.70	177350
Nov-18	63.23	2.50	2.14	16.50	15.06	4.64	0.86	164898
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	63.11	2.84	2.00	14.21	17.03	4.83	0.70	1542742

गृणवत्ता:: दूर्गापूर

BLEND

लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.74	2.51	1.82	14.21	15.62	4.33	0.72	1358966
APP 18-19	62.64	2.79	2.34	5.00	10.00	5.13	0.84	1750000
Apr-18	63.14	2.10	1.85	25.66	13.33	3.95	0.88	110875
May-18	62.85	2.37	1.62	17.95	16.08	3.99	0.68	136826
Jun-18	62.56	2.37	1.97	18.69	16.94	4.34	0.83	140140
Jul-18	62.56	2.75	1.71	17.04	16.16	4.46	0.62	107770
Aug-18	61.63	4.85	1.57	20.09	16.71	6.42	0.32	90545
Sep-18	61.59	3.88	2.07	24.46	14.24	5.95	0.53	132290
Oct-18	61.43	3.74	2.24	28.47	10.55	5.99	0.60	122285
Nov-18	62.66	2.76	1.77	22.89	13.31	4.53	0.64	115050
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.31	3.05	1.86	21.90	14.66	4.91	0.61	955781

गृणवत्ता :: बोकारो

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.33	3.35	2.41	6.13	33.98	5.76	0.72	3910390
APP 18-19	62.38	3.15	2.72	5.45	31.74	5.87	0.86	4200000
Apr-18	62.10	3.38	2.79	6.73	31.85	6.17	0.82	270674
May-18	61.94	3.57	2.91	6.05	34.23	6.48	0.82	332918
Jun-18	62.21	3.51	2.70	5.70	33.43	6.21	0.77	424539
Jul-18	62.12	3.66	2.66	6.24	34.27	6.32	0.73	332728
Aug-18	61.90	3.84	2.34	6.80	33.48	6.17	0.61	340269
Sep-18	62.00	3.82	2.47	7.10	33.22	6.29	0.65	448034
Oct-18	61.98	3.65	2.71	6.43	33.50	6.36	0.74	290106
Nov-18	61.86	3.56	2.99	6.63	34.33	6.56	0.84	340931
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.02	3.63	2.69	6.46	33.55	6.32	0.74	2780199

गृणवत्ता:: दूर्गापूर

BLEND

फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	63.34	2.62	1.97	4.27	46.20	4.59	0.75	2405030
APP 18-19	62.50	2.90	2.80	5.00	33.65	5.70	0.97	2520000
Apr-18	62.99	2.55	2.33	4.62	44.88	4.88	0.91	247845
May-18	62.56	3.06	2.44	3.34	45.68	5.49	0.80	242803
Jun-18	62.46	2.89	2.57	3.80	45.47	5.46	0.89	203905
Jul-18	62.48	3.47	2.45	3.42	44.30	5.92	0.71	221715
Aug-18	63.11	3.53	1.86	3.16	47.97	5.39	0.53	232830
Sep-18	63.36	3.23	1.72	5.80	46.18	4.94	0.53	197990
Oct-18	62.89	2.91	2.22	5.78	41.68	5.13	0.76	249710
Nov-18	62.32	3.54	2.61	4.74	44.68	6.14	0.74	230815
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.77	3.14	2.28	4.33	45.05	5.42	0.73	1827613

गुणवत्ता :: राउरकेला
BLEND लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.85	2.65	2.40	12.86	18.96	5.04	0.90	2119274
APP 18-19	62.78	2.51	2.44	1.73	10.00	4.95	0.97	2400000
Apr-18	63.13	2.76	2.42	13.59	15.87	5.18	0.88	175284
May-18	63.12	2.60	2.63	9.97	17.08	5.23	1.01	182615
Jun-18	63.09	2.67	2.56	11.44	18.20	5.22	0.96	171284
Jul-18	62.85	2.91	2.69	10.76	21.64	5.60	0.93	195513
Aug-18	62.59	3.37	2.63	10.60	21.24	6.00	0.78	201945
Sep-18	62.62	3.10	2.79	13.40	19.77	5.89	0.90	170202
Oct-18	62.63	2.67	3.25	16.12	19.87	5.92	1.22	213013
Nov-18	62.73	2.96	2.81	16.02	19.41	5.77	0.95	217041
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.84	2.88	2.73	12.81	19.22	5.62	0.95	1526897

गुणवत्ता :: बर्नपुर इस्पात संयंत्र
BLEND लम्प

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.64	2.79	2.97	18.42	4.74	5.76	1.07	770640
APP 18-19	62.67	2.75	2.35	3.85	10.00	5.10	0.85	1300000
Apr-18	63.43	2.14	1.87	22.60	0.98	4.01	0.88	107100
May-18	62.96	2.67	2.36	15.93	0.66	5.03	0.89	89681
Jun-18	63.42	2.49	2.14	19.02	1.14	4.62	0.86	131010
Jul-18	62.58	4.38	1.66	15.91	4.29	6.04	0.38	89222
Aug-18	62.96	3.67	1.44	20.29	1.18	5.11	0.39	95340
Sep-18	62.76	3.45	1.99	20.38	1.05	5.44	0.57	34888
Oct-18	62.25	5.14	1.56	40.77	1.53	6.71	0.30	73082
Nov-18	62.24	4.11	2.60	25.50	4.79	6.71	0.63	58541
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.93	3.33	1.94	21.93	1.82	5.27	0.58	678864

गुणवत्ता :: राउरकेला
BLEND फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.30	2.95	2.47			5.42	0.84	3512612
APP 18-19	62.47	3.00	2.68	5.12	33.33	5.68	0.89	4050000
Apr-18	62.57	2.67	2.41			5.08	0.90	300665
May-18	62.42	2.81	2.72			5.53	0.97	304916
Jun-18	62.33	2.93	2.74			5.67	0.94	304241
Jul-18	62.07	3.12	2.89			6.02	0.93	279406
Aug-18	61.97	3.63	2.51			6.14	0.69	230896
Sep-18	62.10	3.29	2.68			5.97	0.82	319089
Oct-18	61.98	3.34	2.80			6.13	0.84	494909
Nov-18	62.13	3.22	2.73			5.96	0.85	435220
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.19	3.13	2.70			5.83	0.86	2669342

गुणवत्ता :: बर्नपुर इस्पात संयंत्र
BLEND फाईन्स

	Fe	SiO ₂	Al ₂ O ₃	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.59	3.13	3.39	6.41	45.97	6.52	1.08	2530484
APP 18-19	62.42	3.06	2.77	5.00	35.71	5.83	0.91	3150000
Apr-18	62.39	3.07	3.07	6.97	47.99	6.14	1.00	254580
May-18	62.06	3.73	2.81	5.42	46.35	6.54	0.75	197300
Jun-18	62.33	3.35	2.94	5.92	49.14	6.29	0.88	246940
Jul-18	62.52	3.84	2.54	7.01	41.65	6.38	0.66	218928
Aug-18	62.58	4.21	2.03	7.49	42.02	6.24	0.48	208980
Sep-18	63.37	3.34	2.02	5.27	47.26	5.36	0.60	112640
Oct-18	63.30	3.40	2.05	5.66	45.93	5.45	0.60	155026
Nov-18	61.65	4.48	3.01	6.95	42.99	7.49	0.67	245670
Dec-18								
Jan-19								
Feb-19								
Mar-19								
CUMML	62.42	3.70	2.64	6.45	45.22	6.34	0.71	1640064

गुणवत्ता :: बोकारो इस्पात संयंत्र

तुलसीदामर

BF DOLOMITE

	CaO	MgO	SiO ₂	OS	US
Act 17-18	29.75	18.89	5.47	5.92	9.88
APP 18-19	30.00	18.00	5.00	5.00	10.00
Apr-18	30.21	19.92	4.98	3.75	9.00
May-18	30.72	21.94	4.91	4.10	8.80
Jun-18	29.98	20.21	5.00	4.18	8.72
Jul-18	31.13	20.53	4.95	4.60	8.58
Aug-18	27.42	18.74	5.16	4.55	9.33
Sep-18	28.35	19.25	4.15	6.43	10.15
Oct-18	28.08	17.67	5.30	9.50	9.10
Nov-18	29.78	17.64	5.12	4.55	9.20
Dec-18					
Jan-19					
Feb-19					
Mar-19					
CUMML	29.34	19.31	4.96	5.27	9.06

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO ₂	OS	US
Act 17-18	45.56	2.57	3.33	4	26.14
APP 18-19	50.00	2.25	3.50	5.00	5.00
Apr-18	42.91	2.30	3.68	2.76	22.73
May-18	44.76	1.87	3.58	6.33	25.83
Jun-18	44.49	2.25	3.66	4.48	25.17
Jul-18	45.60	2.29	3.74	4.66	25.57
Aug-18	45.57	2.23	3.38	4.49	24.05
Sep-18	42.78	2.58	3.54	9.06	24.11
Oct-18	43.51	2.76	3.91	6.99	27.05
Nov-18	40.65	3.73	3.63	7.71	22.66
Dec-18					
Jan-19					
Feb-19					
Mar-19					
CUMML	43.95	2.54	3.65	5.80	24.87

गुणवत्ता :: भिलाई इस्पात संयंत्र

तुलसीदामर

BF DOLOMITE

	CaO	MgO	SiO ₂	OS	US
Act 17-18					
APP 18-19	30.00	18.00	5.00	5.00	10.00
Apr-18	28.09	17.42	9.29	34.78	11.20
May-18	28.90	17.95	7.33	34.68	10.43
Jun-18	28.61	17.77	7.86	34.05	7.85
Jul-18	29.12	17.13	8.52	34.70	9.55
Aug-18	28.20	17.66	8.66	35.16	9.58
Sep-18	27.14	17.80	9.67	31.00	7.80
Oct-18	28.61	18.33	7.22	38.60	9.75
Nov-18	28.45	18.52	6.81	28.60	9.10
Dec-18					
Jan-19					
Feb-19					
Mar-19					
CUMML	28.43	17.68	8.35	34.68	9.58

कुटेश्वर

BF LST

	CaO	MgO	SiO ₂	OS	US
Act 17-18	50.40	1.89	3.64	7.16	18.33
APP 18-19	50.00	2.25	3.50	5.00	5.00
Apr-18	50.02	2.09	3.95	6.95	19.72
May-18	49.99	2.26	3.92	8.40	16.81
Jun-18	49.79	2.30	4.02	8.05	21.79
Jul-18	49.35	2.65	3.87	9.43	18.85
Aug-18	50.08	2.20	3.80	8.70	18.40
Sep-18	50.40	1.80	3.80	11.00	16.67
Oct-18	49.51	2.40	4.12	8.98	20.18
Nov-18	48.63	2.88	4.33	9.86	20.61
Dec-18					
Jan-19					
Feb-19					
Mar-19					
CUMML	49.99	2.19	3.92	7.89	8.84

PROJ. NO.	UTILIS UPTO NOV'18	MAKE / TYPE	CAP	DATE OF COMMISSION	NOVEMBER 2018											2018-19													
					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%	FEED RATE	HSD/ HR				
EXCAVATORS [3]																													
EX-20	24186	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	600	18	389	582	193	97.0	33.2	32.2	1198	6.21	61.66	4880	153	2779	4727	1948	96.9	41.2	39.9	5.18	57.49				
EX-22	12881	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	600	16	336	584	248	97.3	42.5	41.3	1188	4.79	52.62	4880	574	2163	4306	2143	88.2	49.8	43.9	5.02	64.50				
EX-23	13806	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	600	20	183	580	397	96.7	68.4	66.2	2522	6.35	61.46	4880	109	1904	4772	2868	97.8	60.1	58.8	5.14	57.43				
*EX-19 shifted to MIOM during July 16				TOTAL	1800	54	908	1746	838	97.0	48.0	46.6	4908	5.86	58.89	14640	836	6846	13805	6959	94.3	50.4	47.5	5.12	59.62				
				TOTAL	1800	54	908	1746	838	97.0	48.0	46.6	4908	5.86	58.89	23820	10016	6846	13805	6959	58.0	50.4	29.2	5.12	59.62				
DUMPERS [7]																													
DUM 88	28492	KOMATSU HD785-7	100 Te	23-Jul-10	600	75	170	525	355	87.5	67.6	59.2	1458	4.11	48.03	4880	3058	627	1822	1195	37.3	65.6	24.5	3.43	54.48				
DUM 89	32912	KOMATSU HD785-7	100Te	23-Jul-10	600	25	200	575	375	95.8	65.2	62.5	1403	3.74	47.33	4880	797	1513	4083	2570	83.7	62.9	52.7	3.55	46.91				
DUM-91	18341	CAT 777D	100T	2-Feb-12	600	600		0	0	0.0	0.0	0.0	0	0.00	0.00	4880	1720	1957	3160	1203	64.8	38.1	24.7	3.43	49.37				
DUM-92	20457	CAT 777D	100T	2-Feb-12	600	600		0	0	0.0	0.0	0.0	0	0.00	0.00	4880	1747	1872	3133	1261	64.2	40.2	25.8	3.48	41.08				
DUM-93	7005	BEML BH-100	100T	2-May-15	600	86	228	514	286	85.7	55.6	47.7	1170	4.09	50.70	4880	1882	1813	2998	1185	61.4	39.5	24.3	3.66	50.17				
DUM-94	5803	BEML BH-100	100T	2-May-15	600	81	452	519	67	86.5	12.9	11.2	313	4.67	53.73	4880	652	2786	4228	1442	86.6	34.1	29.5	3.31	51.10				
DUM-95	4589	BEML BH-100S	100T	May 2016	600	73	406	527	121	87.8	23.0	20.2	564	4.66	63.64	4880	438	3371	4442	1071	91.0	24.1	21.9	4.29	53.60				
				TOTAL	4200	1540	1456	2660	1204	63.3	45.3	28.7	4908	4.08	50.33	34160	10294	13939	23866	9927	69.9	41.6	29.1	3.57	49.10				
DRILL [4]																													
DM-17	22453	IR-ROTACOL-IDM-30	160mm	24-Mar-05	480	235	193	245	52	51.0	21.2	10.8	444	8.54	43.27	3904	2096	1289	1808	519	46.3	28.7	13.3	4.26	40.56				
DM-18	25471	AC-ROTACOL-IDM-30	160mm	19-May-08	480	114	275	366	91	76.3	24.9	19.0	962	10.57	21.43	3904	1694	1286	2210	924	56.6	41.8	23.7	6.35	24.51				
DM-19	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	480	480		0	0	0.0	0.0	0.0		0.00	0.00	3904	3904	0	0	0	0.0	0.0	0.0	0.00	0.00				
DM-20	9590	AC-ROTACOL-IDM-30	160mm	Oct '14	480	72	236	408	172	85.0	42.2	35.8	1832	10.65	23.26	3904	634	1418	3270	1852	83.8	56.6	47.4	4.20	22.65				
				TOTAL	1920	901	704	1019	315	53.1	30.9	16.4	3238	10.28	26.03	15616	8328	3993	7288	3295	46.7	45.2	21.1	4.81	25.99				
DOZER [7]																													
DOZ-27	33570	BEML, D-355	410HP	15-May-01	480	480		0	0	0.0	0.0	0.0			0.00	3904	3904	0	0	0	0.0	0.0	0.0		0.00				
DOZ-28	26491	BEML, D-355	410HP	14-May-04	480	329	107	151	44	31.5	29.1	9.2			32.95	3904	2171	1307	1733	426	44.4	24.6	10.9		31.90				
DOZ-29	18180	BEML, D-355	410HP	11-Jun-04	480	480		0	0	0.0	0.0	0.0			0.00	3904	3904	0	0	0	0.0	0.0	0.0		0.00				
DOZ-30	21623	BEML, D-355	410HP	8-Jul-07	480	90	266	390	125	81.3	31.9	25.9			21.29	3904	387	2897	3517	621	90.1	17.6	15.9		36.08				
DOZ-31	19580	BEML, D-355	410 HP	19-Feb-09	480	24	336	456	120	95.0	26.3	25.0			39.17	3904	1236	1885	2668	784	68.3	29.4	20.1		27.71				
DOZ-32	6214	BEML, D-355	410 HP	17-Apr-15	480	116	237	364	127	75.8	34.9	26.5			33.86	3904	2429	927	1475	548	37.8	37.2	14.0		46.77				
DOZ-33	3453	BEML, D-356	410HP	22-Sep-17	480	24	192	456	265	95.0	58.0	55.1			48.96	3904	113	1584	3791	2208	97.1	58.2	56.5		35.86				
				TOTAL	3360	1543	1137	1817	680	54.1	37.4	20.2			19.26	23424	14144	7015	9280	2265	39.6	24.4	9.7		36.79				
PAY LOADER [1]																													
FEL-4	11408	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	240	4	107	237	130	98.5	54.8	54.0			18.15	1952	105	959	1848	889	94.6	48.1	45.5		16.88				
MPTOR GRADER [3]																													
MG-6	80	BEML, GD-605R2	145 HP	9-Oct-87	240		228	240	12	100.0	5.0	5.0			37.50	728	170	478	558	80	76.6	14.3	11.0		35.63				
MG-7	6322	BEML, BG 825	280HP	10-Jul-91	240	240		0	0	0.0	0.0	0.0			0.00	1952	1952	0	0	0	0.0	0.0	0.0		0.00				
MG-8	2986	BEML, BG825	280HP	19-May-12	240	240		0	0	0.0	0.0	0.0			0.00	1952	1737	119	215	96	11.0	44.7	4.9		38.02				
				TOTAL	720	480	228	240	12	33.3	5.0	1.7			37.50	4632	3859	597	773	176	16.7	22.8	3.8		36.93				
WATER TANKER [2]																													
DUM-79(WT/79)	30179	BEML,210M	50Te	25-Aug-03				0	0	0.0	0.0	0.0			0.00	600	600	0	0	0	0.0	0.0	0.0		0.00				
WT-83	20607	BEML, WS-28-2	28KL	21-Mar-05	600	131	308	469	161	78.2	34.3	26.8			28.88	4880	947	3167	3934	767	80.6	19.5	15.7		31.64				
WT-90	12701	BEML, WS-28-2	28KL	Mar '11	600	532	43	68	26	11.3	37.5	4.3			19.61	4880	3877	676	1003	328	20.6	32.7	6.7		14.90				
				TOTAL	1200	663	351	537	187	44.8	34.7	15.5			27.61	10360	5424	3842	4937	1095	47.6	22.2	10.6		26.63				

MEGHAHATUBURU IRON ORE MINES

PROJ. NO.	CUMM. UTILIS. UPTO Nov'18	MAKE / TYPE	CAPACITY	November-18										2018-2019									
				SCH. HRS.	DOW N HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT% net	OPRN UT %	FEED RATE	HSD/H R	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT% net	Oprn UT %	F/RAT E	HSD/H R
EXCAVATORS 4.5 CUM.																							
BE-11	36526	BEML	4.5 CUM	720	424	234	296	63	41.1	8.7	21.1		26	5856	3961	1460	1896	436	32.37	7.44	22.98	2.3	24
EXCAVATORS 9.5 CUM.																							
PC-14	30269	KOMATSU	9.5 CUM	720	196	186	524	338	72.8	46.9	64.5	11	85	5856	2254	1446	3602	2156	61.51	36.82	59.86	11.4	80
PC-17	14807	KOMATSU	9.5 CUM	720	177	221	543	322	75.4	44.7	59.3	11	87	5856	1467	1648	4389	2741	74.95	46.81	62.45	11.9	80
PC-18	28211	KOMATSU	9.5 CUM	720	223	217	497	280	69.0	38.9	56.3	12	90	5856	1647	1618	4209	2591	71.88	44.25	61.56	11.4	81
			Total	2160	596	624	1564	940	72.4	43.5	60.1	11	87	17568	5368	4712	12200	7488	69.44	42.62	61.38	11.6	80
DUMPER,50 TE																							
D - 49	27992	BEML	50 TON	720	720									5856	3311	2156	2545	389	43.46	6.64	15.28	2.2	24
D - 50	23971	BEML	50 TON	720	720									5856	5826	14	30	16	0.51	0.27	53.33	1.0	19
			Total	1440	1440									11712	9137	2170	2575	405	21.99	3.46	15.73	2.1	24
DUMPER,100 TE																							
D - 51	27879	KOMATSU	100 TON	720	142	230	578	348	80.3	48.3	60.2	4	31	5856	2413	1185	3443	2258	58.79	38.56	65.58	3.7	34
D - 52	29695	KOMATSU	100 TON	720	107	239	614	375	85.2	52.1	61.1	4	32	5856	2069	1198	3788	2590	64.68	44.23	68.38	3.5	34
D - 53	28036	KOMATSU	100 TON	720	311	186	409	223	56.8	31.0	54.5	4	35	5856	3919	706	1937	1231	33.08	21.02	63.55	3.5	37
D - 54	15120	CATER	100 TON	720	477	194	243	49	33.8	6.8	20.2	4	41	5856	2974	2016	2883	867	49.22	14.81	30.08	3.4	37
D - 55	17457	CATER	100 TON	720	497	153	223	70	31.0	9.7	31.4	3	34	5856	2049	2572	3808	1236	65.02	21.11	32.46	3.5	37
D - 56	6687	BEML	100 TON	720	400	168	320	152	44.4	21.1	47.5	4	35	5856	1847	1884	4010	2126	68.47	36.30	53.02		38
D - 57	6915	BEML	100 TON	720	287	204	433	229	60.1	31.8	52.9	3	34	5856	1834	1952	4022	2070	68.68	35.35	51.47		39
			Total	5040	2221	1374	2820	1446	55.9	28.7	51.3	4	33	40992	17103	11511	23889	12378	58.28	30.20	51.81	3.5	36
DRILL																							
DM - 7	23497	IR	6 " DIA	360	332	8	28	20	7.8	5.6	71.4	1		2928	2325	352	603	252	20.59	8.59	41.71	5.9	32
DM - 8	20663	IR	6 " DIA	360	110	146	250	104	69.4	28.9	41.6	7		2928	1446	421	1483	1062	50.63	36.27	71.64	10.9	31
DM - 9	19399	IR	6 " DIA	360	49	116	311	196	86.4	54.3	62.9	9		2928	1412	431	1517	1086	51.79	37.09	71.61	13.0	28
DM - 10	11521	IR	6 " DIA	360	44	71	317	246	87.9	68.2	77.6	20		2928	440	439	2488	2050	84.97	70.00	82.38	17.5	28
			Total	1440	535	341	906	565	62.9	39.2	62.4	13		11712	5622	1641	6090	4449	52.0	38.0	73.1	14.2	29
DOZER																							
DOZ-23	21337	BEML	410 HP	720	711	2	10	8	1.3	1.0	78.9		33	5856	2619	1919	3238	1319	55.29	22.52	40.73		25
DOZ-24	17859	BEML	410 HP	720	169	339	552	213	76.6	29.6	38.6		33	5856	1812	2341	4044	1704	69.06	29.09	42.12		27
DOZ-25	8036	BEML	410 HP	720	428	195	292	98	40.6	13.5	33.4		30	5856	4466	897	1390	493	23.74	8.42	35.47		28
DOZ-26	16343	BEML	410 HP	720	431	242	289	48	40.1	6.6	16.4		33	5856	2687	2092	3170	1078	54.12	18.41	34.01		27
DOZ-27	9395	BEML	410 HP	720	697	6	23	17	3.2	2.4	73.9		35	5856	3941	1000	1915	915	32.70	15.63	47.78		26
DOZ-28	1929	BEML	410HP	720	169	350	552	202	76.6	28.0	36.5		31	5856	1847	2081	4009	1929	68.46	32.93	48.10		26
			Total	4320	2604	1133	1717	584	39.7	13.5	34.0		32	35136	17371	10329	17765	7437	50.56	21.16	41.86		26
BACK HOE																							
BE-12A	21409	BEML	1.2 CUM	720	27	584	694	110	96.3	15.3	15.9		21	5856	2884	2040	2972	933	50.75	15.92	31.38		22
HT-15	17866	TCECL	1.5 CUM	720	283	165	438	273	60.8	37.8	62.3		22	5856	2358	1691	3498	1807	59.73	30.86	51.66	0.2	23
HT-16	11292	TCECL	1.5 CUM	720	463	145	257	113	35.7	15.6	43.8		22	5856	2473	1729	3383	1654	57.77	28.24	48.89	0.2	23
			Total	2160	772	893	1388	495	64.3	22.9	35.7		22	17568	7715	5460	9853	4394	56.08	25.01	44.59	0.1	23
WATER TANKER																							
WT - 05	18542	BEML	28 KL	720	720									5856	5786	39	70	31	1.20	0.53	44.29		24
WT - 06	10959.5	BEML	28 KL	720	104	405	616	212	85.6	29.4	34.3	0.7	22	5856	2202	2797	3654	858	62.40	14.64	23.47	0.5	22
WT - 45	31121	BEML	MODIFIED	720	294	386	426	41	59.2	5.6	9.5	0.6	22	5856	1985	3165	3871	706	66.10	12.06	18.24	0.6	24
			Total	2160	1118	790	1042	252	48.2	11.7	24.2	0.7	22	17568	9973	6001	7595	1595	43.23	9.08	20.99	0.5	23
MOTOR GRADER																							
MG-5	3832	BEML		240	240									1952	1742	189	210	21	10.76	1.08	10.00		21
MG-6	2165.5	BEML		240	65	95	175	81	72.9	33.5	46.0		23	1952	492	935	1460	526	74.80	26.92	35.99		23
			Total	240	305	95	175	81	72.9	33.5	46.0		23	3904	2234	1124	1670	547	42.78	14.00	32.72		23

PERFORMANCE REPORT OF HEMM

BOLANI MINES

PROJ. NO.	CUMM. UTILIS. UPTO Nov '18	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	NOVEMBER 2018										2018-19									
					SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/H R	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR
EXCAVATORS																								
EX-25	33594	BEML PC-1000(D)	4.5 CuM	21-Jun-04	720	720									5856	3681	1928	2175	248	37.14	11.38	4.23		51.74
EX-26	30743	BEML PC-1000(D)	4.5 CuM	24-Jun-05	720	64	605	656	51	91.1	7.8	7.1		31.96	5856	486	4936	5370	434	91.70	8.08	7.41	0.07	48.74
				SUB TOTAL	1440	784	605	656	51	45.6	7.8	3.5		31.96	11712	4167	6864	7545	682	64.42	9.03	5.82	0.05	49.83
EX-28	15325	BE-1600	7.5 Cu.m	22-Jun-10	720	332	340	388	48	53.9	12.4	6.7		59.38	5856	3829	1787	2028	241	34.62	11.86	4.11	0.10	74.51
EX-29	24746	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	720	537	126	183	57	25.4	31.1	7.9	2.75	90.35	5856	1744	2970	4112	1142	70.22	27.77	19.50	4.14	77.97
EX-30	13501	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	720	32	269	688	419	95.6	60.9	58.2	5.40	74.89	5856	268	2923	5588	2666	95.43	47.70	45.52	6.34	74.48
EX-31	12204	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	720	38	299	682	383	94.7	56.2	53.2	5.07	73.33	5856	457	2824	5399	2575	92.20	47.69	43.97	5.52	75.78
				SUB TOTAL	2880	939	1034	1941	907	67.4	46.7	31.5	4.81	74.38	23424	6297	10504	17127	6623	73.12	38.67	28.28	5.42	75.59
				TOTAL	4320	1723	1639	2597	958	60.1	36.9	22.2	4.55	72.12	35136	10464	17368	24672	7305	70.22	29.61	20.79	4.92	73.18
DUMPER,50 TE																								
HP-27	19667	BEML HP-210M	50 T	09-Sep-03											4272	3763	406	510	104	11.93	20.31	2.42		21.50
HP-30	17547	C.I.773D(I)	50 T	01-Mar-06	720		671	720	49.00	100.0	6.8	6.8		10.20	5856	1614	4010	4242	232	72.44	5.47	3.96	0.07	20.57
HP-32	23281	BEML BH-50M	50 T	06-Mar-08	720	72	621	648	27.00	90.0	4.2	3.8		3.70	5760	2453	3121	3307	187	57.41	5.64	3.24	0.09	33.84
				TOTAL	1440	72	1292	1368	76	190.0	11.0	10.6		13.91	15888	7830	7537	8059	522	141.78	31.42	9.62	0.15	25.50
DUMPER,100 TE																								
HP-32A	28391	KOMATSU HD785-7	100 T	22-Jun-10	720	452	166	268	102	37.2	38.1	14.2	3.18	34.71	5856	1993	1946	3863	1916	65.96	49.61	32.72	3.10	37.45
HP-34	26579	KOMATSU HD785-7	100 T	22-Jun-10	720	720									5856	4493	788	1363	575	23.27	42.21	9.82	3.00	37.73
HP-35	15503	BEML BH-100	100 T	22-Jun-10	720	257	417	463	46	64.3	9.9	6.4	2.67	33.04	5856	3462	2249	2394	146	40.88	6.08	2.48	2.61	41.47
HP-36	11674	BEML BH-100	100 T	22-Jun-10	720	600	119	120	1	16.7	0.8	0.1	3.00		5856	2477	3157	3379	222	57.70	6.57	3.79	2.75	43.53
HP-37	18786	CAT 777D	100 T	25-Jan-12	720	8	331	712	381	98.9	53.5	52.9	3.47	36.51	5856	2597	1823	3259	1436	55.65	44.06	24.52	3.23	37.29
HP-38	8147	BEML BH-100S	100 T	03-May-16	720	40	426	680	254	94.4	37.4	35.3	3.17	36.81	5856	592	3528	5264	1737	89.90	32.99	29.65	3.01	36.63
HP-39	8025	BEML BH-100S	100 T	03-May-16	720	176	333	544	211	75.6	38.8	29.3	3.40	40.95	5856	708	3022	5148	2126	87.91	41.29	36.30	3.33	37.85
HP-40	7896	BEML BH-100S	100 T	03-May-16	720	60	340	660	320	91.7	48.5	44.4	3.33	40.86	5856	647	3125	5210	2084	88.96	40.01	35.59	3.10	38.31
				TOTAL	5760	2313	2132	3447	1315	59.8	38.1	22.8	3.32	38.05	46848	16969	19638	29879	10241	63.78	34.28	21.86	3.13	37.75
DRILL																								
DM-11	16620	AC-ROTACOL-IDM-30	160mm	14-Feb-08	480	100	255	380	125	79.2	32.9	26.0	14.23	31.88	3904	628	2177	3276	1099	83.91	33.54	28.14	11.20	32.67
DM-12	17439	AC-ROTACOL-IDM-30	160mm	12-Aug-09	480	115	238	365	127	76.0	34.8	26.5	11.87	62.28	3904	2376	741	1528	787	39.13	51.53	20.17	3.85	16.68
DM-12A	15768	AC-ROTACOL-IDM-30	160mm	22-Mar-11	480	392	66	88	22	18.3	25.0	4.6	9.77	57.73	3904	1050	1870	2854	984	73.10	34.48	25.21	10.56	40.41
DM-14	8794	AC-ROTACOL-IDM-30	160mm	19-Nov-14	480	153	202	327	125	68.1	38.2	26.0	10.98	51.04	3920	821	1690	3100	1409	79.07	45.46	35.95	9.88	37.00
				TOTAL	1920	760	761	1160	399	60.4	34.4	20.8	12.22	48.98	15632	4875	6478	10757	4279	68.81	39.78	27.37	9.27	32.93
DOZER																								
DOZ-22	15660	BEML BD355	410 HP	06-Jul-07	480	103	170	377	207	78.5	54.9	43.1		33.29	3944	638	1845	3307	1462	83.84	44.21	37.06		32.73
DOZ-23	11552	BEML BD355	410 HP	27-Aug-08	480		332	480	148	100.0	30.8	30.8		39.19	3920	448	2507	3472	965	88.57	27.79	24.62		39.46
DOZ-24	13010	BEML BD355	410 HP	09-Mar-10	544	143	321	401	80	73.7	20.0	14.7		50.75	5576	826	3499	4750	1251	85.19	26.34	22.44		21.65
DOZ-25	10982	BEML BD355	410 HP	09-Mar-10	664	228	316	436	120	65.7	27.5	18.1		35.00	4176	2036	1509	2140	631	51.24	29.49	15.11		40.81
DOZ-26	7761	BEML BD355	410 HP	03-May-14	488	488									4072	1253	2236	2819	583	69.23	20.67	14.31		55.70
DOZ-27	6103	BEML BD355	410 HP	03-May-14	488	272	186	216	30	44.3	13.9	6.1		58.33	3952	2355	1272	1598	326	40.42	20.40	8.24		38.93
DOZ-28	5708	BEML BD356	410 HP	26-Apr-16	720	46	478	674	196	93.6	29.1	27.2		38.13	5856	564	3782	5292	1510	90.36	28.53	25.78		24.89
				TOTAL	3864	1280	1803	2584	781	66.9	30.2	20.2		38.63	34392	11016	16649	23376	6727	67.97	28.78	19.56		32.92
PAY LOADER																								
PL-20	13944	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	720	332	370	388	18	53.9	4.6	2.5		64.06	5856	4235	1070	1621	551	27.68	33.99	9.41		17.78
PL-22	10579	Hyundai-hi770-7A	280 HP	26-May-10	720	720									5856	5752	98	104	6	1.78	5.77	0.10		65.50
PL-23	8864	Kawasaki, 90ZV	257 HP	07-Oct-15	720	57	466	663	197	92.1	29.7	27.4		32.42	5856	922	3278	4935	1657	84.26	33.57	28.29		23.20
				TOTAL	2160	1109	836	1051	215	48.7	20.5	10.0		35.07	17568	10909	4446	6660	2214	37.91	33.24	12.60		21.96
MOTOR GRADER																								
MG-6	3973	BEML BG 825	280 HP	04-Aug-08	480		480	480		100.0					3904	2080	1820	1824	4	46.72	0.22	0.10		
MG-7	3858	BEML BG 825	280 HP	04-May-12	480	0.5	404	480	76	99.9	15.8	15.8		51.05	3904	168	3191	3737	545	95.71	14.59	13.97		51.33
				TOTAL	960	0.5	884	960	76	99.9	7.9	7.9		51.05	7808	2248	5011	5561	549	71.22	9.88	7.03		50.95
WATER SPRINKLER																								
WS-3	20144	BEML WS 28-2	28KL	12-Jan-05	720	16	702	704	2	97.8	0.3	0.3		150	5856	1298	4502	4558	57	77.83	1.24	0.96		29.03
WS-4	13134	BEML WS 28-2	28KL	31-Mar-10	720	16	698	704	6	97.8	0.9	0.8			5856	230	5471	5626	156	96.08	2.77	2.66		10.79
WS-5	8267	BEML WS 28-2	28KL	07-May-15	720	14	348	706	358	98.1	50.7	49.7		14.61	5856	202	3793	5654	1862	96.55	32.92	31.79		13.13
WS-3 Utilised at MIOM during Jan '17				TOTAL	2160	46	1748	2114	366	97.9	17.3	16.9		15.11	17568	1730	13765	15839	2074	90.16	13.09	11.80		13.39

BARSUA MINES



SAIL-RMD

PROJ. NO.	CUMM. UTILIS. UPTO Nov '18	MAKE / TYPE	CAP	DATE OF COMMISSION	NOVEMBER 2018										2018-19									
					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%	HSD/ HR	
EXCAVATORS																								
EX-20	25609	BEML,BE-1000	4.5 CuM	Mar-04	624	102	444	522	78	83.65	14.94	13	6.14	37.71	4328	530	3204	3798	594	87.75	15.64	13.72	44.73	
EX-21	17955	TELCON,1200V-1018	5.9 CuM	28-May-07	624	87	426	537	111	86.06	20.67	18	5.93	63.98	4336	842	3004	3494	490	80.58	14.02	11.30	62.76	
EX-22	18974	BEML,BE-1000	4.5 CuM	22-Dec-08	624	61	406	563	157	90.22	27.89	25	5.16	52.83	3288	758	1953	2530	577	76.95	22.81	17.55	45.54	
EX-23	15806	BEML, BE-1000	4.5CuM	18-Feb-10	208	127	80	81	1	38.94	1.23	0	0.00	0.00	1752	1671	80	81	1	4.62	1.23	0.06	0.00	
EX-24	11927	BEML, BE-1600	7.5CuM	04-Aug-11	624	616	8	8	0	1.28	0.00	0	0.00	0.00	4328	1544	1841	2785	944	64.34	33.88	21.80	64.94	
EX-27	1554	BEML, BE-1000-1	4.5 CuM	19-Dec-17	624	87	211	537	326	86.06	60.71	52	7.41	78.06	4320	585	2274	3735	1461	86.46	39.12	33.82	63.01	
* EX 22 & 23 are being utilised at Taldih, EX-24 Engine sent to GOM				TOTAL	3328	993	1364	2335	971	70.16	41.58	29.18	4.49	45.09	22352	5930	12356	16423	4067	73.47	24.76	18.19	35.63	
DUMPER,50 TE																								
HPD-87	26958	BEML,210M	50T	Apr-2000	624	80	399	544	145	87.18	26.65	23.24	1.79	25.16	4328	804	2869	3524	656	81.42	18.60	15.15	35.56	
HPD-90	16455	BEML,210M	50T	APR'05	624	5	602	619	17	99.20	2.75	2.72	0.00	0.00	4512	594	3866	3918	52	86.84	1.33	1.15	15.67	
BH-95	30433	BH-50 M	50T	6-Feb-09	624	101	450	523	73	83.81	13.96	11.70	3.99	50.67	4496	1078	2121	3418	1297	76.02	37.95	28.85	32.08	
BH-96	25678	BH-50 M	50T	20-Aug-09	624	245	284	379	95	60.74	25.07	15.22	8.21	82.94	4328	2044	1502	2284	782	52.77	34.24	18.07	38.30	
BH-99 (@ MIOM-13609)	9276	BH-50 M	50T	20-Feb-14	624	56	290	568	278	91.03	48.94	44.55	0.46	8.26	4552	1883	1757	2669	912	58.63	34.17	20.04	23.33	
* BH-95, 96 & 99 are being utilised at Taldih				TOTAL	3120	487	2025	2633	608	84.39	23.09	19.49	2.40	28.82	23880	7275	12741	16605	3865	69.54	23.27	16.18	31.79	
DUMPER,60 TE																								
HPD-101	2525	BEML,BH-60	60 T	16-Nov-17	624	55	103	569	466	91.19	81.90	74.68	2.80	33.14	4328	530	1372	3798	2426	87.75	63.88	56.05	35.17	
HPD-102	2214	BEML,BH-60	60 T	23-Nov-17	624	120	144	504	360	80.77	71.43	57.69	2.70	37.37	4328	986	1202	3342	2140	77.22	64.03	49.45	37.59	
				TOTAL	1248	175	247	1073	826	85.98	76.98	66.19	2.76	34.98	8656	1516	2574	7140	4566	82.49	63.95	52.75	36.31	
DUMPER,100 TE																								
BH-97	9572	BEML,BH-100	100 T	4-Aug-11	624	76	304	548	244	87.82	44.53	39.10	2.56	46.82	3416	451	1986	2965	979	86.80	33.02	28.66	42.26	
BH-98	8484	BEML,BH-100	100 T	04-Aug-11	624	624	0	0	0	0.00	0.00	0.00	0.00	0.00	3416	938	1913	2478	565	72.54	22.80	16.54	42.36	
				TOTAL	1248	700	304	548	244	43.91	44.53	19.55	2.56	46.82	6832	1389	3899	5443	1544	79.67	28.37	22.60	42.30	
DRILL																								
DM-7	23603	AC - IDM-30	160mm	29-Jan-98	416	36	380	380	0	91.35	0.00	0.00	0.00	0.00	3000	680	2142	2320	178	77.33	7.67	5.93	40.27	
DM-9	9678	AC - IDM-30	160mm	30-Sep-09	416	12	331	404	73	97.12	18.07	17.55	0.00	42.56	3000	465	2238	2535	297	84.50	11.72	9.90	47.16	
DM-10	4810	AC - IDM-30	160mm	15-Jan-15	416	8	362	408	46	98.08	11.27	11.06	0.00	40.22	2720	99	2375	2621	246	96.36	9.39	9.04	43.50	
* DM-10 is being utilised at Taldih				TOTAL	1248	56	1073	1192	119	95.51	9.98	9.54	0.00	41.66	8720	1244	6755	7476	721	85.73	9.64	8.27	44.21	
DOZER																								
TR-36 (B/V)	13925	BEML,D-155A	320 HP	23-Apr-05	624	624	0	0	0	0.00	0.00	0.00	0.00	0.00	5232	3008	2220	2224	4	42.51	0.18	0.08	0.00	
TR-37	14538	BEML,D-155A	320 HP	22-Jun-07	624	47	371	577	206	92.47	35.70	33.01	34.61	5256	1009	3443	4247	804	80.80	18.93	15.30	36.37		
TR-38	15602	BEML, D-355	410 HP	16-Feb-10	624	125	418	499	81	79.97	16.23	12.98	39.56	3264	601	2150	2663	513	81.59	19.26	15.72	36.74		
TR-39	10049	BEML, D-355	410 HP	10-Apr-12	624	624	0	0	0	0.00	0.00	0.00	0.00	4640	1315	2889	3325	436	71.66	13.11	9.40	33.71		
TR-40	7141	BEML, D-355	410 HP	6-May-14	624	106	456	518	62	83.01	11.97	9.94	68.15	4328	456	3428	3872	444	89.46	11.47	10.26	57.52		
* TR-38 is being utilised at Taldih				TOTAL	3120	1526	1245	1594	349	51.09	21.89	11.19	41.72	22720	6389	14130	16331	2201	71.88	13.48	9.69	40.13		
PAY LOADER																								
FEL-6	9291	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	416	22	369	394	25	94.71	6.35	6.01	18.40	3544	105	3249	3439	190	97.04	5.52	5.36	26.63		
FEL-7	6511	HYUNDAI	280 HP	27-Aug-11	416	276	121	140	19	33.65	13.57	4.57	32.47	4280	1462	2714	2818	104	65.84	3.69	2.43	25.91		
				TOTAL	832	298	490	534	44	64.18	8.24	5.29	24.48	7824	1567	5963	6257	294	79.97	4.70	3.76	26.38		
MOTOR GRADER																								
MG-6	7100	BEML BG 825	280HP	14-Sep-02	416	14	332	402	70	96.6	17.4	16.8	25.79	2696	777	1604	1919	315	71.18	16.41	11.68	16.97		
WATER SPRINKLER																								
WS-91	14355	HM / WS-28	28KL	Nov-06	624	600	24	24	0	3.8	0.0	0.0	0.00	3672	1273	2383	2399	16	65.33	0.67	0.44	48.75		
WS-100	3461	BEML / WS-28-2	28KL	29-Apr-15	624	58	373	566	193	90.7	34.1	30.9	19.04	3656	234	2968	3422	454	93.60	13.27	12.42	23.00		
				TOTAL	1248	658	397	590	193	47.3	32.7	15.5	19.04	7328	1507	5351	5821	470	79.44	8.07	6.41	23.87		
Back Hoe/Rock Breaker																								
EX-26	3174	HYUNDAI/BACKHOE	0.9 CuM	16-Sep-13	624	18	586	606	20	97.1	3.3	3.2	30.75	4584	152	4254	4432	178	96.68	4.02	3.88	22.56		
EX-25	4248.5	HYUNDAI/ROCK BREAKER	1.62 CuM	10-Sep-13	416	202.5	188	213.5	25.5	51.3	11.9	6.1	16.471	3040	347	2355	2694	339	88.60	12.57	11.13	10.94		
				TOTAL	1040	221	774	820	46	78.8	5.6	4.4	22.75	7624	499	6609	7126	517	93.46	7.25	6.77	14.94		

GUA ORE MINES

EQUIPMENTS	UTILIS. UPTO Nov'18	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	NOVEMBER 2018										2018-2019									
					SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD /HR
EXCAVATORS[4]																								
> 4.5 CuM																								
D-12	10418	BE 1600	7.5 CuM	16-Feb-11	720	89	392	631	239	87.64	37.88	33.19	3.07	43.93	5856	1535	2865	4321	1456	73.79	33.70	24.86	4.17	51.15
D-12A	18064	BE 1000(D)	4.5 CuM	27-Apr-08	720	720									5856	5825	21	31	10	0.53	32.26	0.17	6.40	60.00
D-14	23485	KOMATSU	9.5 CuM	06-Apr-12	720	453	143	267	124	37.08	46.44	17.22	3.97	75.40	5856	1805	2124	4051	1927	69.18	47.57	32.91	5.22	78.51
D-15	18229	KOMATSU	9.5 CuM	31-Aug-15	720	85	184	635	451	88.19	71.02	62.64	7.06	84.48	5856	1044	1361	4812	3451	82.17	71.72	58.93	6.07	81.16
TOTAL					2880	1347	719	1533	814	53.23	53.10	28.26	5.42	71.19	23424	10209	6371	13215	6844	56.42	51.79	29.22	5.43	74.00
DUMPER,50 TE[3]																								
R/D-85	18557	BEML-BH-50M	50 Te	Mar- 08	720	720									5856	5160	692	696	4	11.89	0.57	0.07		25.00
R/D-86	20013	BEML-BH-50M	50Te	Sep-08	720	92	524	628	104	87.22	16.56	14.44		22.36	5856	3191	2489	2665	176	45.51	6.60	3.01		20.31
R/D-87	17443	BEML-BH-50M	50Te	Dec-08	720	720									5856	4442	1403	1414	11	24.15	0.78	0.19		68.18
TOTAL					2160	1532	524	628	104	29.07	16.56	4.81		22.36	17568	12793	4584	4775	191	27.18	4.00	1.09		23.17
DUMPER,100 TE[6]																								
R/D-88	23684	KOMAT.HD785-7	100 T	10-Sep-10	720	720									5856	5051	157	805	648	13.75	80.50	11.07	2.81	57.58
R/D-89	26311	KOMAT.HD785-7	100 T	10-Sep-10	720	181	115	539	424	74.86	78.66	58.89	2.28	42.23	5856	1027	958	4829	3871	82.46	80.16	66.10	2.54	48.42
R/D-90	17661	CAT 777D	100 T	25-Jan-12	720	176	292	544	252	75.56	46.32	35.00	4.00	44.91	5856	3029	1543	2827	1284	48.28	45.42	21.93	3.48	46.97
R/D-91	14376	CAT 777D	100 T	25-Jan-12	720	436	134	284	150	39.44	52.82	20.83	3.63	43.99	5856	1351	2107	4505	2398	76.93	53.23	40.95	3.82	50.34
R/D-92	9642	BEML- BH 100	100 T	27-May-15	720	293	212	427	215	59.31	50.35	29.86	2.60	40.37	5856	3015	1301	2841	1540	48.51	54.21	26.30	2.30	52.77
R/D-93	8575	BEML - BH 100	100 T	10-Jun-15	720	119	236	601	365	83.47	60.73	50.69	3.65	46.02	5856	1679	1366	4177	2811	71.33	67.30	48.00	2.91	51.85
TOTAL					4320	1925	989	2395	1406	55.44	58.71	32.55	3.14	43.60	35136	15152	7432	19984	12552	56.88	62.81	35.72	2.95	50.41
DRILL[4]																								
DM-10	15891	IR-ROTACOL-IDM-30	160mm	Feb- 04	480	178	197	302	105	62.92	34.77	21.88	15.81	49.76	3904	1501	1656	2403	747	61.55	31.09	19.13	11.85	39.56
DM-12A	8456	AC-ROTACOL-IDM-30	160mm	Sep-08	480	455	17	25	8	5.21	32.00	1.67	1.50	46.88	3904	1577	1183	2327	1144	59.61	49.16	29.30	13.74	34.89
DM-14	13601	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	480	449	12	31	19	6.46	61.29	3.96	2.79	50.00	3904	3873	12	31	19	0.79	61.29	0.49	2.79	90.79
DM-15	6194	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	480	110	177	370	193	77.08	52.16	40.21	12.44	36.27	3904	1648	1223	2256	1033	57.79	45.79	26.46	13.42	38.57
TOTAL					1920	1192	403	728	325	37.92	44.64	16.93	12.69	41.69	15616	8599	4074	7017	2943	44.93	41.94	18.85	13.08	37.73
DOZER[5]																								
DOZ-21	17338	BEML D-355	410 HP	May- 03	480	289	20	191	171	39.79	89.53	35.63		32.92	3904	2641	228	1263	1036	32.35	81.99	26.52		30.10
DOZ-22	16083	BEML D-355	410 HP	Feb-04	480	480									3904	3904								
DOZ-23	14606	BEML D-355	410 HP	May-08	480	89	172	391	219	81.46	56.01	45.63		34.86	3904	2269	954	1635	681	41.88	41.65	17.44		28.97
DOZ-24	12382	BEML D-355	410 HP	Sep-08	480	198	15	282	267	58.75	94.68	55.63		39.29	3904	1000	298	2904	2606	74.39	89.74	66.75		37.25
DOZ-25	8481	BEML D-355	410 HP	25-Apr-14	480	480									3904	3253	373	651	279	16.68	42.78	7.13		28.96
DOZ-26	7659	BEML D-355	410 HP	08-Sept-17	480	71		409	409	85.21	100.00	85.21		25.98	3904	697	879	3207	2328	82.15	72.59	59.63		34.47
TOTAL					2880	1607	207	1273	1066	44.20	83.74	37.01		32.25	23424	13764	2731	9660	6929	41.24	71.73	29.58		34.10
PAY LOADER[2]																								
PL-7	11946	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	720	146	332	574	242	79.72	42.16	33.61		17.67	5856	1369	2234	4487	2253	76.62	50.21	38.47	0.00	13.98
PL-8	4769	Hyundai-hi770-7A	280 HP	01-Jun-10	720	720									5856	5856								
TOTAL					1440	866	332	574	242	39.86	42.16	16.81		17.67	11712	7225	2234	4487	2253	38.31	50.21	19.24	0.00	13.98
Back Hoe [2]																								
BACK HOE-02	7965	BEMLBE-300LC	1.2 CU.M	May-09	720	550	136	170	34	23.61	20.00	4.72		20.59	5856	3182	1472	2674	1202	45.66	44.95	20.53		14.53
BACK HOE-03	2524	BEMLBE-300LC	1.25 CU.M	25-Sep-13	720	111	61	609	548	84.58	89.98	76.11		13.75	5112	2203	385	2909	2524	56.91	86.77	49.37		13.81
TOTAL					1440	661	197	779	582	54.10	74.71	40.42		14.15	10968	5385	1857	5583	3726	50.90	66.74	33.97		14.04
Water Sprinkler [2]																								
WT-5	14812	WS-28	28 KL	May-05	480	144	239	336	97	70.00	28.87	20.21		14.23	4152	2255	1374	1897	523	45.69	27.57	12.60		14.36
WT-6	5210	BEML,WS 28-2	28 KL	Jan-09	480	71	213	409	196	85.21	47.92	40.83		13.56	4152	1297	2125	2855	730	68.76	25.57	17.58		13.59
TOTAL					960	215	452	745	293	77.60	39.33	30.52		13.78	8304	3552	3499	4752	1253	57.23	26.37	15.09		13.91
Motor Grader [2]																								
MG-6	3853	BG 605	280HP	May-08	480	144	239	336	97	70.00	28.87	20.21		14.23	3904	1761	1599	2143	544	54.89	25.38	13.93		5.12
MG-7	537	BG 825		10-May-14	480	71	213	409	196	85.21	47.92	40.83		13.56	3904	1280	2087	2624	537	67.21	20.46	13.76		10.11
TOTAL					960	215	452	745	293	77.60	39.33	30.52		13.78	3904	1761	1599	2143	1081	54.89	50.44	27.69		7.60

EQUIPMENT AVAILABILITY & UTILISATION

Nov-18

UNIT IN %

EQPMT TYPE		NORM		KIRIBURU				MEGHAHATUBURU				BOLANI				BARSUA				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	53	31	47	45	63	62	52	73	60	34	69	40	96	10	86	10	38	45	45	42
SHOVEL	HYD(D) <4.6 m3	70	75					41	21	32	23	46	8	64	9	82	33	74	26				
	HYD(D) >4.6 m3	85	80	97	48	94	50	72	60	69	61	67	47	73	39	44	21	73	23	53	53	56	52
	HYD(E)	70	70																				
DUMPER	85/ 60 tn	65	75													86	77	87	69				
	50 tn	70	80							22	16	95	6	49	7	80	19	64	23	29	17	27	4
	100 tn	85	80	63	45	71	41	56	51	58	52	60	38	64	34	44	45	73	18	55	59	57	63
DOZER		70	70	47	31	42	27	40	34	51	42	67	30	69	30	54	14	81	14	44	84	45	42
CRUSHING PLANT		85	85									84	56	82	53								
SCREENING PLANT		85	85									91	68	90	64								
OHP		85	85	94	70	92	71									72	77	80	67	87	88	94	87

Consumption of Key Consumables in 2018-19(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
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	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
2018-19	1309959	332096	1642055	279039	19262513	52190	2499900	111000	605160	125644	0.08	0.52	5.99	16.49
April'18	166292	48694	214986	53245	2164676	4200	248830	29000	126720	10000	0.13	0.56	5.35	10.90
May'18	180275	54357	234632	29757	2117508	6510	339490	26000	99270	0	0.06	0.53	4.56	14.62
June'18	166497	30570	197067	42892	2311396	6510	317680	29000	76500	115644	0.08	0.46	5.46	15.13
July'18	162165	49995	212160	20620	2448148	4100	310230	0	33750	0	0.06	0.62	7.12	11.92
August'18	161011	40590	201601	36055	2878160	9030	314280	0	31860	0	0.10	0.58	8.32	26.09
Sept'18	146482	46410	192892	35060	2473480	6930	285570		87660	0	0.09	0.52	6.63	18.57
Oct'18	165463	38127	203590	23790	2685040	7140	323550	27000	67950	0	0.06	0.51	6.42	17.93
Nov'18	161774	23353	185127	37620	2184105	7770	360270		81450		0.09	0.42	4.94	17.59

Consumption of Key Consumables in 2018-19(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
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	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
2018-19	1701594	65460	1767054	382353	12126480	76248	2456550	90000	1574500	300000	0.09	0.43	2.94	18.47
April'18	220289	6030	226319	53177	1228440	9646	279290	20500	230200	50000	0.09	0.43	2.32	18.30
May'18	224655	10060	234715	61594	1199640	9660	288590	8500	303700	60000	0.09	0.39	2.00	15.85
June'18	211828	4230	216058	47428	1209960	11410	247170	15000	288600	45000	0.08	0.39	2.20	20.72
July'18	188924	6580	195504	50550	1901760	6482	310810	5000	144100	30000	0.10	0.42	4.14	13.98
August'18	206689	14530	221219	47315	2122920	10210	348830	10000	153100	95000	0.08	0.42	4.15	19.33
Sept'18	206771	10760	217531	23570	1559640	11410	288350	10000	153100	20000	0.05	0.48	3.45	25.41
Oct'18	241004	7530	248534	59835	1432920	7980	358180	20000	145100	0	0.11	0.49	2.74	15.70
Nov'18	201434	5740	207174	38884	1471200	9450	335330	1000	156600	0	0.08	0.42	2.98	19.20

Consumption of Key Consumables in 2018-19(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	2514011	935809	20339200	125936	3712455	0	1543746	1417555	1853008	0.11	0.42	3.05	21.06
2018-19	1648076	620816	13142640	78532	2591408	0	1015704	899920	1095037	0.11	0.41	2.92	19.54
April'18	204486	59590	1433760	7602	147900	0	160209	251000	134324	0.09	0.43	2.56	16.09
May'18	213263	86655	1668960	11900	312300	0	156063	115950	112869	0.12	0.43	2.86	24.02
June'18	206532	74839	1671120	8330	341300	0	143708	71850	148274	0.11	0.42	3.00	17.13
July'18	213547	74422	1727520	9618	340900	0	108668	67930	88380	0.12	0.47	3.34	21.00
August'18	182689	72355	1720800	9898	326800	0	98018	111400	170400	0.10	0.36	3.21	19.59
Sept'18	199970	76935	1701840	9002	354500	0	98650	94600	101651	0.12	0.40	3.11	18.03
Oct'18	214219	82365	1670400	13776	394100	0	127829	86250	178038	0.10	0.38	2.75	24.74
Nov'18	213370	93655	1548240	8406	373608	0	122559	100940	161101	0.12	0.39	2.59	15.41

Consumption of Key Consumables in 2018-19(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		DEPT	0.08	0.46	4.90	25.00
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	386285	0	386285	95062	13554044	11893	0	1052111	85675	0	206145	0.07	1.32	11.91	40.75
2018-19	852075	20909	872984	88012	6960052	16921	1157666	442908	197725	0	65340	0.05	0.61	5.14	11.91
April'18	26265	0	26265	4950	1113077	341	0	98306	2365	0	23490	0.04	0.52	43.05	13.19
May'18	82015	0	82015	6750	1071437	1976	88915	89676	20490	0	21960	0.03	0.53	8.16	15.04
June'18	103602	0	103602	13276	716077	2271	181049	79030	16510	0	15660	0.05	0.44	3.36	10.65
July'18	107195	0	107195	13517	863157	2013	141235	71255	15790	0	4230	0.06	0.60	5.35	12.48
August'18	121860	1420	123280	15788	653477	3070	155765	60770	34685	0	0	0.06	0.60	3.43	16.12
Sept'18	125773	2300	128073	8250	1217997	2384	177207	21547	26005			0.04	0.61	5.42	11.73
Oct'18	135230	7359	142589	10756	763557	2408	211921	22324	35580	0	0	0.04	0.56	2.83	9.73
Nov'18	150135	9830	159965	14725	561273	2458	201574		46300			0.06	0.65	2.26	9.92

Consumption of Key Consumables in 2018-19(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				
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	3087765	2220	3089985	388490	18466944	105288	4002700	0	1573793	0	0.07	0.55	3.31	18.88
2018-19	2066488	0	2066488	264620	12419112	72734	2456590	0	979850	0	0.08	0.60	3.61	21.17
April'18	276728	0	276728	31287	1431744	8862	341000	0	127530	0	0.07	0.59	3.06	18.91
May'18	270020	0	270020	50813	1615872	10430	341100	0	158150	0	0.10	0.54	3.24	20.89
June'18	258325	0	258325	32679	1600272	12744	325310	0	81180	0	0.08	0.64	3.94	31.35
July'18	260075	0	260075	32775	1517400	7182	322650	0	104580	0	0.08	0.61	3.55	16.81
August'18	243950	0	243950	20649	1588464	6762	300060	0	110430	0	0.05	0.59	3.87	16.47
Sept'18	247084		247084	29206	1576512	8848	302090	0	112680	0	0.07	0.60	3.80	21.33
Oct'18	258205	0	258205	37420	1630224	10248	294520	0	118350	0	0.09	0.63	3.95	24.82
Nov'18	252101		252101	29791	1458624	7658	229860	0	166950	0	0.08	0.64	3.68	19.30

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
MINE	GRANTED ON	VALID UPTO	AREA (in ha.)	RENEWAL APPL.DATE	FOREST CLEARANCE (FC)	Status as on November' 2018 ENVIRONMENTAL CLEARANCE (EC)
KBR-MBR						
Lease-I	28.03.60	31.03.20	1936.06	17.02.09	Stage II FC [644.26 Ha] granted by MoEF&CC vide letter dated 26.11.2014. Stage-I FC of South & Central Block (247.5 Ha) was granted by MoEFCC on 18.10.2010. Compliance report has been submitted well within the time & State Govt. forward the proposal to MoEFCC on 13.07.2015. Further, compliance of the queires were forwarded by State Govt. to MoEFCC on 05.04.2016. After approval of MPSM on 08.06.2018, MoEFCC vide letter dated 26.06.2018 requested GoI to provide some informations. The desired informations were submitted to DFO on 19.07.2018/31.07.2018. The report forwarded to CF on 14.08.2018 but CF asked some additional information on 23.08.2018. The modified reply submitted to DFO on 28.08.2018. The proposal forwarded to PCCF (Nodal) on 28.09.2018 through DFO & RCCF. PCCF (Nodal) forwarded the proposal to PCCF, Jharkhand on 05.10.2018 and forwarded the proposal to Addl. CS (F&E&CC) on 09.10.18. Final recommendation has been forwarded to MoEFCC, GoI on 08.11.2018.	EC granted by MoEFCC for 10 MTPA capacity on 27.12.2006. EC granted by MoEFCC for 16 MTPA capacity on 23.09.2014. CTO for 16 MTPA capacity was granted by JSPCB & renewed upto 31.12.2019.
Lease - II	06.02.73	31.03.20	879.439	10.01.02	Forestry clearance for the total broken area of 55.9 Ha was granted on 11.04.2005.	Ore Beneficiation Plant & loading facilities of Meghahatuburu Iron Ore Mine are located in the lease-II.
Lease - III	01.10.73	31.03.20	82	26.09.02	Forestry clearance for the total broken area of 24.23 Ha was granted on 11.04.2005.	Tailing Pond of Kiriburu Iron Ore Mine is located in the lease-III.
Horomotto	01.01.70	31.12.99	1051.98	_	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, 09.07.2013 & 12.11.2014. Stage-I FC for additional 87.09 ha sabik FL was obtained on 12.09.2017. Final Compliance report submitted to DFO, Keonjhar on 22.12.2017. Additional information submitted to DFO, Keonjhar on 10.05.2018. DFO forwarded the compliance report to RCCF on 20.06.2018. Further, RCCF forwarded to Addl. PCCF (NO) on 16.07.2018. APCCF (Nodal) vide letter dated 29.08.2018 directed DFO Keonjhar/Rourkela /Keonjhar (WL) Division to revise the CA schemes due to change in revision of wage rate. The revised scheme was forwarded to RCCF, Baripada on 11.10.18 for approval. Revision & authentication of SZ scheme has been approved by RCCF, Baripada on 30.10.18 with a direction to DFO, Anandapur to raise the differential amount. Another proosal related to revised CA schemes for 169.72 ha & 5.18 ha were approved by APCCF (NO) on 23.10.18 and after the issuance of demand, online payment of Rs. 1492600 portal was done in MoEFCC on 29.10.18. A meeting was held with Addl. Chief Secy. (F & E Dept.), Odisha on 25.10.18 along with concerned official of Govt. of Odisha to discuss all the pending FC proposals of SAIL in Odisha. Govt. of Odisha assured that all the pending schemes in compliance to Stage-I FC's will be approved and will be forwarded to MoEFCC on payment towards the approved schemes. Again, the wage rate has been revised & all schemes are reverted back to concerned forest division for modification. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 which is under process for approval.	EC granted for production of Iron Ore 12 MTPA ROM and Installation of 12 MTPA New Beneficiation Plant & 4 MTPA Pellet Plant on 21.12.2012. Consent to Operate for 12 MTPA capacity has been renewed & Valid upto 31.03.2019.
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	MoEFC&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are approved on 27.10.2018 and in line with the demand letter recived from DFO, Rs 16.35 Crore was paid. Again, the wage rate has been revised & all schemes are reverted back to concerned forest division for modification. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22/27.11.2018 which is under process for approval.. In addition to that, Stage-I FC for 124.313 ha Sabik FL was obtained on 12.09.2017. Compliance report submitted to DFO on 22.12.2017 and forwarded to Addl. PCCF (NO) on 02.06.2018. Due to revision in wage rate, CA scheme was revised and the revised compliance report was submitted to DFO on 25.07.2018. Other technical schemes has also been revised and forwarded by DFO, Keonjhar to RCCF, Rourkela on 23.08.2018. The revised SZ scheme (22.122 ha) has been forwarded by DFO, Keonjhar to RCCF, Rourkela on 23.08.2018 for necessary approval. RCCF, Rourkela vide letter dated 06.10.18 approved the scheme at current wage rate. DFO, Keonjhar vide letter dated 10.10.18 directed to deposit the differential amount of Rs. 1,35,910/-. Differential demand letter uploaded in MoEFCC portal on 22.10.18. Vide email alert dated 25.10.18, demand details was verified by Nodal Officer. The challan was generated on 25.10.18 and payment was done in MoEFCC portal on 25.10.18. The complete compliance report w.r.t to differential payment of CA & SZ has been forwarded by DFO, Keonjhar to RCCF, RKL on 29.10.18 & subsequent to Addl. PCCF (N), BBSR. Again, the wage rate has been revised & all schemes are reverted back to concerned forest division for modification. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 which is under process for approval.	Granted EC on 21.12.12 for production of 15000 TPA Manganese Ore. CTO for handling of 10 MTPA Iron ore lumps & fines and 15000 TPA Mn ore granted by OSPCB & further renewed on 29.03.2018 with validity upto 31.03.2019.
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. DFO, Bonai vide letter dated 27.02.18 allowed to take up mining operation over 28.90 ha of forest land under Taldih Block-C. Proposal for felling of tree over an area of 58.75 ha in area-5 of Barsua Part has been approved by DFO, Bonai and a meeting was held on 29.10.2018 for settlement/ strategy of tree felling. Offer issued by M/s OFDC on 2.11.2018 for said proposal.	EC granted by MoEFCC vide letter dated 29th Oct'10. Amended EC for ML-130 lease was granted on 30.03.2016 for redistribution of production from Barsua to 3.5 Mt/yr and Kalta to 2.5 Mt/yr and Taldih to 2.05 Mt/yr. Consent to Operate renewed with validity upto 31.03.2019. CTO of Barsua Railway siding has been granted on 29.03.2018 with validity upto 31.03.2020.
ML No.-162	29.04.60	28.04.30	77.94	21.04.99	Stage-II FC granted on 23.10.17 for diversion of 77.94 ha of forest land.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process. The matter of identification of CA land was discussed with forest nodal office on 25.10.2018 meeting. CA land over an area of 33.022 ha has been identified & map has been submitted to DFO, Rourkela for preparation of scheme.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR.
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress	Non-working lease. Obtaining EC is under progress.

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
						Status as on November' 2018
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	(in ha.)	APPL.DATE		
BHAWANATHPUR						
GORGAON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgaon, Ghagra & Saraiya leases has been approved by SAIL-Board on 30.05.2017. Final Mine Closure Plan has been prepared by M/s MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. IBM vide letter dated 19.07.2018 pointed out some observations. The observation of IBM was duly incorporated and FMCP's were submitted to IBM on 19.09.18.. IBM vide letters dated 05.10.18 directed to submit the supplementary lease deed for Gorgaon, Ghagra & Saraiya leases for the period upto 31.03.2020. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18.	
GHAGHRA	23.10.72	31.03.20	675.68	18.10.11 (2nd RML)		
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)		
PUKNAPANI	06.01.80	31.03.20	230.53	30.12.98	No forest land involved	Non-working lease. No EC
GHATITANGAR	29.04.80	28.04.00	153.51	16.04.99	Matter of lease is under litigation.	Non-working lease. No EC
KUTESHWAR						
LEFT BANK LEASE	15.05.82	14.05.22	91.14	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/450/2012-IA.II(M) dated 17.08.2015.CTE application for 0.06 MTPA production submitted on 06.01.2016. CTE for 0.06 MTPA production granted on 10.04.2016. Renewal of CTO was extended by Madhya Pradesh Pollution Control Board upto 31.07.2019.
RIGHT BANK LEASE	10.06.71	09.06.21	944.89	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/449/2012-IA.II(M) dated 02.09.2015.CTE granted on 31.12.2015 for 2.32 MTPA expansion. CTO for 2.32 MTPA expansion granted by MPPCB on 23.02.2016 with validity upto 31.01.17. CTO renewed by MPPCB for the period upto 31.01.2020.
TULSIDAMAR	30.10.69	31.03.20	118.72	20.10.08 (2nd RML)	Stage-II FC for 101.32 ha under the lease was granted on 18.12.1997.	EC was granted on 24.03.1995 as per EIA notification 1994. CTO for 25000 TPM (Dolomite) capacity has been renewed by JSPCB on 28.03.17 for the period upto 31.03.2020. CTO for Rly Siding for 25,000 TPA Dolomite and 60,000 TPA Limestone renewed by JSPCB upto 30.06.2020. In compliance to MoEFCC Office memorandum dated 06.04.2018, ToR application under EIA Notification, 2006 has been submitted in Ministry's portal on 31.08.2018. MoEFCC vide email alert dated 11.09.18 has sought some details.

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
					Status as on November' 2018	
MINE	GRANTED ON	VALID UPTO	AREA (in ha)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)	ENVIRONMENT CLEARANCE (EC)
GLIA						
Durgaburu	22.02.49	21.02.79	1443.8	08.02.08 (2nd RML)	Stage-II FC for existing broken area of 274.691 ha has been granted by MoEF on 22.08.2014. Stage-I FC granted for 361.295 ha on 04.03.2014 in addition to 274.691 ha. Stage- I compliance report was submitted to DFO 02.06.2015. State Govt. vide letter dated 30.07.2015/23.09.2015 forwarded the proposal to MoEFCC, New Delhi for grant of Stage-II FC. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 03.07.2018 requested GoJ to provide some informations. The desired informations were submitted to DFO on 19.07.2018 & forwarded to CF on 08.08.2018. Proposal forwarded to PCCF (N), Ranchi on 18.08.2018. Some more information sought by PCCF (Nodal) was submitted to DFO on 05.09.2018 and subsequently forwarded to PCCF (Nodal) on 26.09.2018.Proposal forwarded to Addl. CS (F,E&CC) on 28.09.2018. The Final recommendation has been forwarded to MoEFCC, GoI on 08.11.2018.	EC granted by MoEF on 25.03.2013. CTO for 12.5 MTPA renewed by JSPCB on 26.12.2016 for the period 01.01.2017 to 31.12.2020.
Jhilingburi - I	12.05.50	11.05.80	210.53	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land identification is under progress.	ToR for conducting EIA study for production of 61,362 TPA Manganese Ore was granted by MoEF & CC on 04.03.2015. Final EIA/EMP report was submitted online on 04.01.2017 for EAC meeting & grant of EC. MoEFCC vide letter dtd 03.04.17 informed that EC proposal will be considered after approval of Carrying Capacity study. MoEF&CC on 13.11.17sought additional details and directed to apply online as per notification dated 14.03.17. The reply of the ADS was submitted & as per the provisions of notification dated 14.03.17, the ToR proposal was submitted online on 02.12.17. Again vide notification dated 16.03.2018, MoEFCC directed for re-submission of the ToR proposal. Proposal was re-submitted to MoEFCC online on 4.4.18 for issue of TOR and requested to consider the proposal as a special case as Public hearing already held and final EIA submitted. EAC meeting held on 29.08.2018. ADS asked on 13.09.2018 which is under compliance.
Jhilingburi - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC for 30.43 ha of forest land was granted on 29.01.2013. Stage-I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi for grant of Stage-II FC. The query raised by MoEFCC, Ranchi pertaining to CA levies information/record was submitted by Dy. Secy. (F,E&CC Dept.), GoJ to DCF (Central), MoEFFCC, Ranchi on 16.01.2018 for further necessary action. The proposal is pending with Regional Office, MoEFCC.	TOR for conducting EIA Study for production of 20,820 TPA Mn ore was granted by MoEF on 23.07.2012. Public Hearing was conducted on 31.01.2014 at Gua. Final EIA/EMP report was submitted to MoEFCC on 12.07.16 for grant of EC. The proposal was transferred to SEIAA, Ranchi by MoEFCC on 04.08.2017 as Catgory-B project. SEAC Meeting for grantof EC has been held at Ranchi on 22.02.2018. Information related to Project desired by SEAC on 09.03.2018 was submitted online on 19.05.2018. SEAC considered the EC proposal on 01.06.2018 and desired some information which was submitted on 29.09.18. SEAC in its meeting dated 08.10.2018 has recommended for grant of EC. Minutes of meeting has been circulated through SEIAA portal on 20.10.2018.
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-I FC compliance submitted to DFO, Saranda on 05.03.2016 and was forwarded to RO, MoEFCC, Ranchi on 03.11.16 for grant of Stage-II FC.	EC granted by SEIAA vide letter no. EC/SEIAA/2015-16/2015/1291 dated 17.08.2015.
CHIRIA						
Budhaburu (McLellan)	08.12.45	31.03.20	823.62	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18.	EC has been granted by MoEF&CC vide letter no - J-11015/249/2009-IA.II (M) dated 23.03.2011 for enhancement of production capacity to 4.2 MTPA.
Ajitaburu	07.12.47	06.12.77	323.89	04.12.06 (2nd RML)		EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA.
Sukri - Latur	22.03.49	21.03.79	609.55	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.
Dhobil	08.03.48	07.03.38	513.04	06.03.97 (2nd RML)	Forestry clearance is deemed to be exist upto 2038.	EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 24.01.2012 and amended dated 01.05.12 for production capacity to 0.75 MTPA. The amendment of EC for continuation of ore transportation by road for 5 more years beyond June, 2017 was granted on 19.04.17. Consent to Operate for 0.75 MTPA has been renewed by JSPCB on 09.03.2018 for the period up to 31.03.2022. CTO for Manoharpur siding for dispatch of 2.5 lakhs T/month of iron ore was granted by JSPCB on 08.12.16 for period upto 30.06.2021.
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 01.12.2018

	Executives	Non-Executives	Total
A. Ore Mines			
Kiriburu	86	541	627
Meghatuburu	65	492	557
Bolani	87	422	509
Barsua	58	296	354
Kalta	14	63	77
Gua	63	510	573
Chiria	15	64	79
A. Total	388	2388	2776
B. Flux Mines			
Purnapani	0	10	10
Kuteshwar	23	100	123
BNP & TDMR	11	74	85
B. Total	34	184	218
C. Offices			
Kolkata	70	33	103
Rourkela	13	16	29
Bokaro	2	3	5
Durgapur	1	4	5
Delhi	3	2	5
Bhubaneswar	1	2	3
Ranchi	2	1	3
Burnpur	0	1	1
MT	22	0	22
C. Total	114	62	176
Grand Total (A+B+c)	536	2634	3170
Manpower as on 01.11.2018	527	2604	3131
Reduction(-)/Increase(+)	9	30	39

SAFETY REPORT

1.0 Accident Statistics:

Type of accident											
Fatal			Reportable			Non Reportable			Serious Accidents(for Mines only)		
R	C	T	R	C	T	R	C	T	R	C	T
nil	01	01	nil	01	01	nil	nil	nil	nil	nil	nil

1.0 Manhours worked :-7,49,884

2.0 PME	1	Regular	10
	2	Contractual	40

3.0 Reportable & Near miss- Nil

4.0 Pit Safety Committee Meeting -- YES [06]

Safety Inspection done:- YES

- | | |
|------------------------|----|
| 1. Mines | 24 |
| 2. Statutory Register | 10 |
| 3. Canteen & VT Centre | 08 |

2.1 Works Area:

2.1.1 Safety Audits:

Sl No.	Audit Type		Purpose		Agency involved	Deptts. audited	Period / dates	No. of observations made	No. of points complied
	Internal	External	General	ISO 14001					
	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

2.1.2 Safety Inspections:

Sl. No.	Type of inspection/ agency	Total No. of inspections (major deppts. inspected)	No. of Unsafe acts & conditions observed	Points complied	Balance Points
1.	Safety officer of SED				
2.	Shop DSOs				
3.	Apex Committee / ISO	06	12	12	0
4.	Other schedule/ joint inspections [Housekeeping, Crane, Cable Galleries etc.]				
5.	Any other PSC				

2.1.3

(A) Training and Workshops (General/ Job specific) - Separate for Executives and Non- executives

Sl. No.	Name of the programme	No. of programmes	No. of participants	Cumulative	
				Programs	Participants
1	Refresher Training	04	32		
2	Basic Training	06	60		

(B) Regular Trainings

Safety Talk			Induction Training			On –the-job/ Refresher Training		
R-64	C-0	T-64	R-25	C-0	T-25	R-25	C -0	T-25

2.1.4 Safety Monitoring &Review:

Sl. No.	Item	Quantum	Title
1.	Protocols prepared	01	SOP on Working on Ledges
2.	Work permit issued	Nil	
3	Monitoring during capital repair/ major shutdown	Nil	
4.	Safety clauses incorporated in SOPs/ SMPs	Nil	
5.	Mock Drills conducted	08	First-Aid
6.	Any Other	Nil	

2.1.5 Special Drives & Campaigns

Sl No.	Items	Observations	Remarks
1.	Checking of heavy vehicles	Yes	Safety Week
2.	Crash helmets	Yes	Safety Week
3.	Personal Protective appliances	Yes	Safety Week
4.	Roko-Toko	Yes	Safety Week
5.	Any other		

2.1.6 Participative Meetings:

Sl.No.	Name / Type	Quantum	Remarks
1.	Departmental Safety Committee / Deptt. consultative committee		
2.	Central Safety committee		
3.	Pit Safety Committee (for mines only)	10	All Mines
4.	Any other		

2.1.7 Events: (Other than routine)

Sl. No.	Events	Description
1.	National Safety Day related activities	
2.	Safety exhibitions & Mela	08
3.	Interactions with Statutory bodies	01 [MIOM]
4.	Participation in external seminars/ papers presented	
5.	Accident free departments/ shops	
6.	Special interactions with Head of Works/ Safety	01 [MIOM]
7.	Publication of Safety magazine/ booklets etc.	

IRON ORE STOCK INVENTORY BEHAVIOUR

November 2018

IRON ORE LUMP

UNIT:'000 TONNES

PLANT	STK 01.04.2018	STK 01.11.2018	RECEIPTS		CONS		STK 01.12.2018	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	28	86	165	1543	214	1550	48	-38	20
DSP	11	44	115	956	127	934	32	-12	21
RSP	11	13	218	1535	183	1488	26	13	15
ISP	5	76	58	679	93	564	29	-47	24
BSP	256	256			232	1869	241	-15	-15
TOT	311	475	556	4713	849	6405	376	-99	65

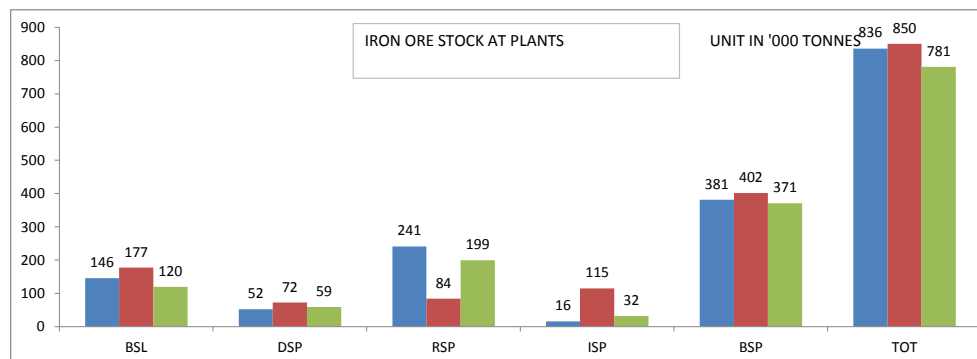
IRON ORE FINES

PLANT	STK 01.04.2018	STK 01.11.2018	RECEIPTS		CONS		STK 01.12.2018	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	118	91	341	2788	382	3026	72	-19	-46
DSP	41	28	231	1827	232	1843	27	-1	-14
RSP	230	71	435	2683	388	3045	173	102	-57
ISP	11	39	246	1665	305	1784	3	-36	-8
BSP	125	146	3	58	374	2854	130	-16	5
TOT	525	375	1256	9021	1681	12552	405	30	-120

IRON ORE TOTAL

PLANT	STK 01.04.2018	STK 01.11.2018	RECEIPTS		CONS		STK 01.12.2018	ST+/-	
			MTH	CUM	MTH	CUM		MTH	YR
BSL	146	177	506	4331	596	4576	120	-57	-26
DSP	52	72	346	2783	359	2777	59	-13	7
RSP	241	84	653	4218	571	4533	199	115	-42
ISP	16	115	304	2344	398	2348	32	-83	16
BSP	381	402	3	58	606	4723	371	-31	-10
TOT	836	850	1812	13734	2530	18957	781	-69	-55

* BSP RECEIPT FROM RMD MINES



PRODUCTION PERFORMANCE

November 2018

हॉट मेटल

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	417	358	86	3107	2760	89	2603	6
दूर्गापूर	225	217	96	1751	1679	96	1466	15
राउरकेला	320	319	100	2712	2477	91	2163	15
बर्नपूर	227	223	98	1785	1285	72	1335	-4
पूर्वी इस्पात संयंत्र	1189	1117	94	9355	8201	88	7567	8
भिलाई	596	421	71	3958	3039	77	2838	7
TOTAL	1785	1538	86	13313	11240	84	10405	8

सिन्तर

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	403	493	122	3716	3893	105	3650	7
दूर्गापूर	281	283	101	2188	2262	103	2053	10
राउरकेला	502	526	105	4189	4096	98	3400	20
बर्नपूर	329	337	102	2577	1979	77	2153	-8
पूर्वी इस्पात संयंत्र	1515	1639	108	12670	12230	97	11256	9
भिलाई	843	602	71	5977	4427	74	4227	5
TOTAL	2358	2241	95	18647	16657	89	15483	8

IRON ORE RECEIPTS FOR THE MONTH OF November 2018

FIGS IN '000 T

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	19	23	61	18		15	4		25		165
DSP			93				22				115
RSP	69	35		40		63			11		217
ISP			15				43				59
BSP											
TOT	87	57	170	58		78	69		36		556

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	69	68	31	117		4	13		39		341
DSP		17	154				60				231
RSP	186	154		26		69					435
ISP		22	113				111				246
BSP	3										3
TOT	258	261	298	143		72	183		39		1255

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	88	91	92	135		18	17		64		506
DSP		17	247				82				346
RSP	255	189		66		132			11		652
ISP		22	128				154				304
BSP	3										3
TOT	346	319	468	201		150	252		75		1811

IRON ORE RECEIPTS TILL THE MONTH OF November 2018

FIGS IN '000 T

Lump Receipt											
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	258	274	439	45	37	307	24		159		1543
DSP		7	670				279				956
RSP	399	370		270	141	268			81	6	1535
ISP		3	256				416		4		679
BSP											
TOT	657	654	1365	315	178	575	719		244	6	4713

Fines Receipt											
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	718	692	506	453	98	94	84		143		2788
DSP		84	1081				662				1827
RSP	1168	897		174		397			47		2683
ISP	3	117	645				892		8		1665
BSP	50	8									58
TOT	1939	1798	2232	627	98	491	1638		198		9021

Total Receipt											
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	976	966	945	498	135	401	108		302		4331
DSP		91	1751				941				2783
RSP	1567	1267		444	141	665			128	6	4218
ISP	3	120	901				1308		12		2344
BSP	50	8									58
TOT	2596	2452	3597	942	276	1066	2357		442	6	13734

BASE FREIGHT IN RS PER TONNE FOR TRAIN LOAD

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
KRBU(N/B) (FOS)	371	666.60	409	747.70	94	203.50	377	706.90	539	951.20
KRBU(O/B) (SOBK)	371	666.60	409	747.70	94	203.50	377	706.90	539	951.20
MBR (SSMK)	371	666.60	409	747.70	94	203.50	377	706.90	539	951.20
BOLANI (BYFS)	272	508.70	318	587.20	227	467.80	286	549.10	673	1193.30
BARSUA (PBSB)	342	626.90	390	706.90	73	203.20	356	666.60	519	951.20
ROXY (HLSR)	332	626.90	379	706.90	63	203.20	346	626.90	509	951.20
GUA (ISCG)	265	508.70	311	587.20	220	426.80	279	549.10	665	1193.30
MANOHARPUR (IISM)	241	467.60	287	549.10	37	203.50	255	508.70	483	869.20
DALLIRAJHARA (DRZ)	827	1433.00	871	1512.10	537	951.20	832	1433.00	83	203.20

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
145 CLASS -150 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
BHAWANATHPUR (PSBS)	369	585.80	491	763.80	563	907.30	459	727.40	909	1398.20
KHANABANJARI (KHBJ)	712	1119.70	834	1259.30	680	1048.70	802	1259.30	496	763.80

BUSY SEASON FREIGHT IN RS PER TONNE FOR TRAIN LOAD

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
KRBU(N/B) (FOS)	371	805	409	903	94	246	377	854	539	1149
KRBU(O/B) (SOBK)	371	805	409	903	94	246	377	854	539	1149
MBR (SSMK)	371	805	409	903	94	246	377	854	539	1149
BOLANI (BYFS)	272	614	318	709	227	565	286	663	673	1441
BARSUA (PBSB)	342	757	390	854	73	245	356	805	519	1149
ROXY (HLSR)	332	757	379	854	63	245	346	757	509	1149
GUA (ISCG)	265	614	311	709	220	515	279	663	665	1441
MANOHARPUR (IISM)	241	565	287	663	37	246	255	614	483	1050
DALLIRAJHARA (DRZ)	827	1730	871	1826	537	1149	832	1730	83	245

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
145 CLASS -150 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
BHAWANATHPUR (PSBS)	369	707	491	922	563	1096	459	878	909	1688
KHANABANJARI (KHBJ)	712	1352	834	1521	680	1266	802	1521	496	922