

# February-2019

## RMD Monthly Informatics



Bunker Loading  
Gua Ore Mines

पीपीसी विभाग

रॉ मेटेरियल्स डिवीजन

भारतीय इस्पात प्राधिकरण

## CONTENTS

<u>SERIAL NO.</u>	<u>SUBJECT</u>	<u>PAGE NO.</u>
1	EXCERPT	1
2	IRON ORE MINES - PRODUCTION & DESPATCH	2-3
3	EXCAVATION	4
4	MONTHWISE PERFORMANCES	5-7
5	DESPATCH DISTRIBUTION	8-13
6	FLUX MINES OPERATION	14-15
7	QUALITY ANALYSED AT PLANT	16-27
8	EQUIPMENT AVAILABILITY & UTILISATION	28-33
9	TECHNO ECONOMIC PERFORMANCE	34-38
10	MINE LEASE RENEWAL	39-41
11	MANPOWER STATISTICS	42
12	ACCIDENT STATISTICS	43-44
13	CUSTOMER INTERFACE	45-48
14	FREIGHT	49

## Feb-19 Highlights

Highest number of Rakes loaded in a day -22 Rakes on 28 Feb 2019

Highest Single Day Production of Barsua -13,708 T (28th Feb-19)

Highest number of Rakes Loaded in a month by Kuteshwar : 26 Rakes

Highest Daily Average Rake loaded in Feb-19 17.68

Highest Daily Average Production in Feb-19 66,619T

Highest Daily Average Despatch in Feb-19 62,639T

Highest Single Day Production by RMD Mines-80,822T (28th Feb-2019)

### Rake Despatch Performance

MINES	FOR THE MONTH OF - Feb- 19					18-19 TILL THE MONTH OF Feb- 19				
	CBT	ACT	%FF	Feb- 18	GRTH %	CBT	ACT	%FF	Feb- 18	GRTH %
KIRIBURU	120	90	75	95	5	1239	980	79	1019	4
MEGHATUBURU	120	90	75	84	7	1269	931	73	908	3
BOLANI	155	115	74	146	21	1687	1425	84	1404	1
BARSUA	60	55	92			637	434	68		
TALDIH	5			13	100	183	82	45	113	27
KALTA	50	43	86	28	54	511	414	81	352	18
GUA	100	81	81	87	7	1040	968	93	929	4
CHIRIA	20	21	105	18	17	184	193	105	108	79
RMD TOTAL	630	495	79	471	5	6750	5427	80	4833	12

PLANTS	COMM	FOR THE MONTH OF - Feb- 19					18-19 TILL THE MONTH OF Feb- 19				
		CBT	ACT	%FF	Feb- 18	GRTH %	CBT	ACT	%FF	Feb- 18	GRTH %
BSL	LUMP		52.5		59	11		588		547	7
	FINES		92.5		96	4		1041		935	11
	TOTAL	180	145	81	155	6	2106	1629	77	1482	10
DSP	LUMP		27.2		32	14		360		301	20
	FINES		45.9		66	31		708		673	5
	TOTAL	105	73	70	98	25	1182	1068	90	974	10
RSP	LUMP		59		54	9		619		544	14
	FINES		93		76	22		1014		881	15
	TOTAL	170	152	89	130	17	1795	1633	91	1425	15
ISP	LUMP		34.6		26	31		305		245	24
	FINES		85.4		61	41		769		652	18
	TOTAL	145	120	83	87	38	1412	1074	76	897	20
BSP	LUMP										
	FINES		5		1	400		23		55	58
	TOTAL	30	5	17	1	400	255	23	9	55	58
SAIL TOTAL	LUMP		173		171	1		1872		1637	14
	FINES		322		300	7		3555		3196	11
	TOTAL	630	495	79	471	5	6750	5427	80	4833	12

## IRON ORE MINES OPERATIONS (FINISHED PRODUCT)

February 2019

UNIT 000 TONNES

## PRODUCTION

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2018-19	TGT	ACT	%FF	LAST YR Feb 2018		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	1300	80	81	101	101	-20.0	1180	906	77	1144	-20.8	
	F	3000	260	226	87	247	-8.2	2720	2646	97	2644	0.1	
	T	4300	340	307	90	348	-11.6	3900	3552	91	3788	-6.2	70
MEGHAHA TUBURU 5000	L	1150	90	61	68	77	-20.2	1055	911	86	1051	-13.3	
	F	2750	250	250	100	213	17.1	2485	2413	97	2328	3.6	
	T	3900	340	312	92	290	7.2	3540	3324	94	3379	-1.6	73
BOLANI 6500	L	2250	190	200	105	170	17.6	2040	2012	99	1836	9.6	
	F	3950	340	335	98	319	4.9	3580	3012	84	2901	3.8	
	T	6200	530	534	101	489	9.3	5620	5024	89	4737	6.1	84
BARSUA 2500	L	680	60	64	106			610	511	84			
	F	1370	170	121	71			1190	1144	96			
	T	2050	230	185	80			1800	1654	92			72
TALDIH 1000	L	420	20			49	-100.0	390	173	44	371	-53.5	
	F	480	50			4	-100.0	425	105	25	4	2599.8	
	T	900	70			52	-100.0	815	278	34	375	-25.9	30
KALTA 2500	L	1000	70	90	129	66	36.9	920	809	88	643	25.8	
	F	1200	120	76	64	45	71.7	1070	702	66	639	9.8	
	T	2200	190	167	88	110	50.9	1990	1511	76	1282	17.8	66
GUA 4000	L	1000	60	83	138	70	18.1	920	948	103	813	16.6	
	F	3200	240	199	83	252	-21.1	2920	2413	83	2790	-13.5	
	T	4200	300	282	94	322	-12.5	3840	3360	88	3603	-6.7	92
MANOHAR - PUR 750	L	350	25	45	180	32	39.7	320	384	120	208	84.6	
	F	400	35	34	97	27	26.7	360	317	88	180	76.1	
	T	750	60	79	131	59	33.8	680	700	103	388	80.7	56
TOTAL 27750	L	8150	595	624	105	565	10.5	7435	6653	89	6065	9.7	
	F	16350	1465	1242	85	1106	12.2	14750	12751	86	11486	11.0	
	T	24500	2060	1865	91	1671	11.6	22185	19404	87	17551	10.6	76

**IRON ORE MINES OPERATIONS (FINISHED PRODUCT)**  
February 2019

UNIT 000 TONNES

		DESPATCHES													
MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON		
		2018-19	TGT	ACT	%FF	LAST YR Feb 2018		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END
KIRIBURU	L	1300	80	86	108	95	-8.7	1180	917	78	1129	-18.8	28	16	11
	F	3000	200	236	118	252	-6.2	2760	2626	95	2635	-0.4	1021	1044	1062
	T	4300	280	322	115	346	-6.9	3940	3543	90	3764	-5.9	1049	1060	1073
MEGHAHA TUBURU	L	1150	75	86	115	111	-22.6	1065	922	87	1063	-13.3	101	79	89
	F	2750	160	243	152	190	28.0	2560	2502	98	2314	8.1	552	439	447
	T	3900	235	329	140	301	9.4	3625	3424	94	3377	1.4	653	518	536
BOLANI	L	2250	190	175	92	167	4.9	2065	1997	97	1813	10.2	133	113	139
	F	3950	290	237	82	340	-30.3	3635	3018	83	3078	-2.0	1522	1413	1513
	T	6200	480	412	86	507	-18.8	5700	5015	88	4891	2.5	1655	1526	1652
BARSUA	L	680	85	68	81			615	517	84			15	13	8
	F	1370	170	127	75			1190	966	81			194	266	261
	T	2050	255	196	77			1805	1483	82			209	279	269
TALDIH	L	420	20			44	-100.0	390	176	45	373	-52.9	9		
	F	480	50					425	103	24			9		
	T	900	70			44	-100.0	815	279	34	373	-25.3	18		
KALTA	L	1000	70	81	116	65	25.3	920	799	87	636	25.6	12	20	30
	F	1200	120	77	64	40	90.0	1070	694	65	644	7.8	13	21	21
	T	2200	190	158	83	105	50.2	1990	1493	75	1280	16.6	25	41	51
GUA	L	1000	60	85	142	77	10.1	920	991	108	717	38.2	30	27	26
	F	3200	240	175	73	205	-15.0	2920	2149	74	2464	-12.8	161	144	141
	T	4200	300	260	87	283	-8.1	3840	3139	82	3180	-1.3	191	171	167
MANOHAR - PUR	L	350	25	45	180	40	13.7	320	397	124	209	90.0	2		
	F	400	35	32	91	23	38.7	360	315	88	163	93.4	5	4	10
	T	750	60	77	128	63	22.8	680	712	105	372	91.5	5	6	10
TOTAL	L	8150	605	627	104	598	4.9	7475	6715	90	5939	13.1	328	270	303
	F	16350	1265	1127	89	1051	7.3	14920	12373	83	11299	9.5	3477	3331	3455
	T	24500	1870	1754	94	1649	6.4	22395	19088	85	17238	10.7	3805	3601	3758

**IRON ORE MINES PERFORMANCE (ROM & DEVELOPMENT)**

**February 2019**

**UNIT 000 TE**

**DEVELOPMENT**

	FOR MONTH			TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF	TGT	ACT	%FF		
KIRIBURU	232	132	57	2263	1182	52	2164	-45
MEGHAHATUBURU	370	257	69	4160	2665	64	3654	-27
BOLANI	285	152	53	3841	2769	72	2998	-8
BARSUA	100	43	43	1030	337	33	84	299
TALDIH	30	0	0	270	65	24	177	-63
KALTA	0	0		0	0		20	-100
GUA	380	129	34	3200	2031	63	1443	41
MANOHARPUR	0	0		0	1		5	-78
<b>TOTAL</b>	<b>1397</b>	<b>713</b>	<b>51</b>	<b>14764</b>	<b>9049</b>	<b>61</b>	<b>10545</b>	<b>-14.2</b>

**ROM**

KIRIBURU	340	307	90	4000	3552	89	3848	-8
MEGHAHATUBURU	340	326	96	3820	3517	92	3635	-3
BOLANI	565	510	90	5785	5025	87	4757	6
BARSUA	245	196	80	2010	1730	86	0	
TALDIH	70	0	0	815	443	54	932	-52
KALTA	190	183	96	1990	1506	76	1280	18
GUA	300	282	94	3840	3360	88	3603	-7
MANOHARPUR	60	79	131	680	700	103	388	81
<b>TOTAL</b>	<b>2110</b>	<b>1884</b>	<b>89</b>	<b>22940</b>	<b>19833</b>	<b>86</b>	<b>18443</b>	<b>8</b>

**TOTAL EXCAVATION**

KIRIBURU	572	439	77	6263	4734	76	6012	-21
MEGHAHATUBURU	710	583	82	7980	6181	77	7289	-15
BOLANI	850	662	78	9626	7794	81	7755	0
BARSUA	345	240	69	3040	2067	68	84	2352
TALDIH	100	0	0	1085	508	47	1108	-54
KALTA	190	183	96	1990	1506	76	1300	16
GUA	680	411	60	7040	5391	77	5046	7
MANOHARPUR	60	79	131	680	701	103	392	79
<b>TOTAL</b>	<b>3507</b>	<b>2597</b>	<b>74</b>	<b>37704</b>	<b>28882</b>	<b>77</b>	<b>28987</b>	<b>0</b>

## Performance against Last Year

Unit in Te	PREVIOUS YEAR EXCAVATION PERFORMANCE 2017-18																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
Apr-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	
Dec-17	653820	339480	314340	707890	396390	311500	709014	518709	190305	29445	0	29445	98548	89548	9000	145600	145600	0	504435	332400	172035	55295	55295	0	2904047	1877422	1026625	
Jan-18	500030	327420	172610	669220	360720	308500	831205	391986	439219	9675	0	9675	73879	73879	0	116300	116300	0	484750	344800	139950	58759	53902	4857	2743818	1669007	1074811	
Feb-18	592830	347760	245070	667500	305300	362200	746992	467259	279733	1215	0	1215	122190	122190	0	112600	112600	0	430665	322100	108565	58948	58948	0	2732940	1736157	996783	
Total	6011996	3848490	2163506	7289110	3635060	3654050	7755318	4757004	2998314	84300	0	84300	1108445	931505	176940	1299710	1280160	19550	5045868	3602800	1443068	392376	387519	4857	28987123	18442538	10544585	
Unit in Te	THIS YEAR EXCAVATION PERFORMANCE 2018-19																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
Apr-18	414550	277830	136720	579990	299790	280200	693432	308108	385324	2365	0	2365	121796	98306	23490	141140	141140	0	532303	341000	191303	18700	18700	0	2504276	1484874	1019402	
May-18	464760	365490	99270	660790	297090	363700	697182	468363	228819	109405	88915	20490	111636	89676	21960	144020	144020	0	571268	341100	230168	70140	70140	0	2829201	1864794	964407	
Jun-18	538824	346680	192144	595770	262170	333600	705132	485008	220124	197559	181049	16510	94690	79030	15660	117100	117100	0	431453	325310	106143	65968	64914	1054	2746496	1861261	885235	
Jul-18	343980	310230	33750	489910	315810	174100	605878	449568	156310	157025	141235	15790	75485	71255	4230	89100	89100	0	486783	322650	164133	46439	46439	0	2294600	1746287	548313	
Aug-18	346140	314280	31860	606930	358830	248100	706618	424818	281800	190450	155765	34685	60770	60770	0	127600	127600	0	490050	300060	189990	50834	50834	0	2579392	1792957	786435	
Sep-18	373230	285570	87660	471450	298350	173100	649401	453150	196251	203212	177207	26005	21547	21547	0	108600	108600	0	487898	302090	185808	55376	55376	0	2370714	1701890	668824	
Oct-18	418500	350550	67950	523280	378180	145100	786217	521929	264288	247501	211921	35580	22324	22324	0	142200	142200	0	485099	294520	190579	67291	67291	0	2692412	1988915	703497	
Nov-18	441720	360270	81450	492930	336330	156600	761408	499367	262041	247874	201574	46300	0	0	0	150700	150700	0	487353	229860	257493	76423	76423	0	2658408	1854524	803884	
Dec-18	443200	327960	115240	564210	312210	252000	806853	498720	308133	238931	188861	50070	0	0	0	164300	164300	0	496305	310590	185715	90699	90699	0	2804498	1893340	911158	
Jan-19	510090	305910	204180	613150	331650	281500	719382	405729	3313653	232940	187484	45456	0	0	0	137900	137900	0	511350	311400	199950	80464	80464	0	2805276	1760537	1044739	
Feb-19	438960	307440	131520	582960	326160	256800	662390	510431	151959	239706	196311	43395	0	0	0	183200	183200	0	410977	281700	129277	78869	78869	0	2597062	1884111	712951	
Total	4733954	3552210	1181744	6181370	3516570	2664800	7793893	5025191	2768702	2066968	1730322	336646	508248	442908	65340	1505860	1505860	0	5390839	3360280	2030559	701204	700150	1054	28882336	19833491	9048845	
Change Over Last Year																												
DIFF	-1278042	-296280	-981762	-1107740	-118490	-989250	38575	268187	-229612	1982668	1730322	252346	-600197	-488597	-111600	206150	225700	-19550	344971	-242520	587491	308828	312631	-3803	-104787	1390953	-1495740	
%Chg	-21.3	-7.7	-45.4	-15.2	-3.3	-27.1	0.5	5.6	-7.7	2351.9	-	299.3	-54.1	-52.5	-63.1	15.9	17.6	-100.0	6.8	-6.7	40.7	78.7	80.7	-78.3	-0.4	7.5	-14.2	

## Performance against Last Year

Unit in Te

PREVIOUS YEAR PRODUCTION PERFORMANCE 2017-18																												
Kiriburu	Megahatuburu					Bolani	Barsua					Taldih			Kalta	Gua	Manoharpur					RMD TOTAL						
	LUMP	FINES	TOT	LUMP	FINES		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	351084	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		
Dec-17	104247	235233	339480	105444	287562	393006	189386	331703	521089			35814		35814	83024	73857	156881	66170	266230	332400	29351	25944	55295	613436	1220529	1833965		
Jan-18	96027	232793	328820	112493	265295	377788	128186	274420	402606			29552		29552	60155	41565	101720	72020	272780	344800	28223	25679	53902	526656	1112532	1639188		
Feb-18	101186	246574	347760	77021	213478	290499	169788	319121	488909			48575		48575	3898	52473	65967	44530	110497	69940	252160	322100	32259	26690	58949	564736	1106451	1671187
Total	1143814	2644331	3788145	1050998	2328421	3379419	1835870	2900644	4736514			370858		370858	3898	374756	643394	638710	1282104	812699	2790101	3602800	207799	179770	387569	6065432	11485875	17551307

THIS YEAR PRODUCTION PERFORMANCE 2018-19																											
Kiriburu	Megahatuburu					Bolani	Barsua					Taldih			Kalta	Gua	Manoharpur					RMD TOTAL					
	LUMP	FINES	TOT	LUMP	FINES		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	122220	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	305682	19694	55376	565279	1063956	1629235
Oct-18	85742	264808	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	
Dec-18	88627	239333	327960	56850	268455	325305	214101	309079	523180	57138	121680	178818			78390	81905	160295	88456	222134	310590	42698	48001	90699	626260	1290587	1916847	
Jan-19	84028	221882	305910	83966	262153	346119	169291	252008	421299	56244	119359	175603			85644	67001	152645	89270	222130	311400	43292	37172	80464	611735	1181705	1793440	
Feb-19	80962	226478	307440	61445	250057	311502	199648	334668	534316	63741	121015	184756			90280	76470	166750	82620	199080	281700	45065	33804	78869	623762	1241572	1865333	
Total	905996	2646214	3552210	911378	2413011	3324389	2012030	3011769	5023799	510619	1143726	1654345	172797	105260	278057	809298	701610	1510908	947722	2412558	3360280	383712	316442	700154	6653552	12750590	19404142

ge Over Last Year																											
DIFF	-237818	1883	-235935	-139620	84590	-55030	176160	111125	287285	510619	1143726	1654345	-198061	101362	-96699	165904	62900	228804	135023	-377543	-242520	175913	136672	312585	588120	1264715	1852835
%Chg	-20.8	0.1	-6.2	-13.3	3.6	-1.6	9.6	3.8	6.1	-	-	-	-53.4	2600.4	-25.8	25.8	9.8	17.8	16.6	-13.5	-6.7	84.7	76.0	80.7	9.7	11.0	10.6

## 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			
Apr-17	93034	205705	298739	102557	186744	289301	157291	270155	427446	19284	0	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	0	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	0	31910	39970	40446	80416	69949	215160	285109	28119	0	28119	497342	965006	1462348			
Jul-17	95988	203227	299215	98431	202274	300705	131343	201904	333247	26127	0	26127	50192	32846	83038	56698	214229	270927	0	0	0	458779	854480	1313259			
Aug-17	128151	252650	380801	124649	209225	333874	188639	310588	499227	31718	0	31718	52154	44328	96482	50379	210555	260934	0	0	0	575690	1027346	1603036			
Sep-17	94122	236691	331113	90078	238322	328400	191268	285463	476731	40249	0	40249	53720	72421	126141	58144	200914	259058	0	2978	2978	527581	1037089	1564670			
Oct-17	107967	245065	353032	82345	223131	305476	147489	229753	377242	34809	0	34809	35575	96331	131906	51234	267710	318944	13402	28128	41530	472821	1090118	1562939			
Nov-17	103505	253908	357413	97050	225980	320303	171901	240643	412544	39289	0	39289	77842	83727	161569	52513	257644	310157	14210	31964	46174	556310	1093866	1650176			
Dec-17	107259	268873	376132	76574	284542	361116	193292	325358	518650	29907	0	29907	92243	89325	181568	56691	237906	294597	17389	18349	35738	573355	1224353	1797708			
Jan-18	101389	251389	352778	133695	226953	360648	142153	366512	508665	32985	0	32985	54859	43355	98214	61928	245850	307778	32438	26255	58693	559447	1160314	1719761			
Feb-18	94550	251502	346052	111152	190081	301233	166691	340441	507132	43667	0	43667	64731	40461	105192	77451	205324	282775	39688	22912	62600	597930	1050721	1648651			
Total	1128910	2635139	3764049	1063104	2314266	3377370	1812776	3078346	4891122	0	0	0	374203	0	374203	635844	644219	1280063	716581	2464755	3181336	208813	162673	371486	5940231	11299398	17239629

### 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			
Apr-18	83370	219106	302476	124184	208457	332641	121767	314857	436624	0	0	0	41799	23872	65671	72764	88815	161579	110181	207154	317335	18434	0	18434	572499	1062261	1634760
May-18	86809	224600	311409	90587	221302	311889	143299	321339	464638	11027	13401	14428	28797	33720	62517	72019	67164	139183	105181	173192	278373	48609	22053	70662	586328	1076771	1663099
Jun-18	77029	251775	328804	51764	258754	310518	233646	310958	544604	48990	69219	118209	36341	16492	52833	71150	57334	128484	97799	171704	269503	30731	33316	64047	647450	1169552	1817002
Jul-18	86744	222210	308954	86332	189169	275501	196074	277784	473858	49665	110036	159701	32062	14194	46256	47674	14455	61219	99794	213607	313401	22688	26287	48975	620123	1067742	1687865
Aug-18	70849	232280	303129	103720	211329	315049	195435	210652	406087	34538	112653	147191	10639	10639	79638	39235	118873	89921	225752	315673	26029	19246	45275	610769	1051147	1661916	
Sep-18	82155	272635	354790	83990	211535	295525	175113	220309	395422	42903	86578	129482	3846	14883	18729	57156	57061	114217	70118	204300	274418	42425	23236	65661	557706	1090537	1648244
Oct-18	79501	257678	337179	50670	243433	294103	161384	273019	434403	63013	93967	156980	22076	22076	78468	75139	153607	73948	210812	284760	29102	34024	63126	558162	1188072	1746234	
Nov-18	89635	249059	338694	57001	262146	319147	178349	315854	494204	60598	122130	182727			0	75421	71650	147071	68147	177431	245578	43263	35319	78582	572414	1233589	1806004
Dec-18	96283	226587	322870	89749	230962	320711	241156	275462	516618	71030	109351	180381			0	80692	73238	153929	97134	199377	296511	41377	54287	95664	717421	1169264	1886685
Jan-19	78200	234023	312222	98090	221374	319464	176143	260300	436443	66788	121544	188332			0	83718	73117	156835	93045	190924	283969	48926	35773	84699	644910	1137054	1781963
Feb-19	86290	235895	322185	86059	243367	329426	174858	237140	411999	68429	127321	195750			0	80885	76903	157788	85271	174578	259849	45116	31771	76887	626908	1126976	1753884
Total	916865	2625848	3542712	922146	2501828	3423975	1997225	3017675	5014899	516981	966200	1483181	175560	103161	278721	798675	694111	1492786	990539	2148831	3139370	396700	315312	712012	6714691	12372965	19087656

ge Over Last Year

DIFF	-212045	-9292	-221337	-140958	187562	46604	184449	-60671	123777	516981	966200	1483181	-198643	103161	-95482	162831	49892	212723	273958	-315924	-41966	187887	152639	340526	774460	1073567	1848027
%Chg	-18.8	-0.4	-5.9	-13.3	8.1	1.4	10.2	-2.0	2.5	-	-	-	-53.1	-	-25.5	25.6	7.7	16.6	38.2	-12.8	-1.3	90.0	93.8	91.7	13.0	9.5	10.7

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

February 2019

बोकारो इस्पात संयंत

UNIT '000 TONNES

MINE	LUMP							FINES							TOTAL										
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	
KRB	60	4	6	685	303	44	383	-21	70	106	152	860	985	115	867	14	130	110	85	1545	1288	83	1250	3	
MBR	60	53	88	730	358	49	574	-38	60	43	72	850	904	106	1027	-12	120	96	80	1580	1262	80	1601	-21	
BOL	25	40	160	375	648	173	573	13	90	27	30	1375	561	41	827	-32	115	67	58	1750	1209	69	1400	-14	
BAR	20	62	310	180	224	124			123			100	788	788			20	185	925	280	1011	361			
TAL				36			76	-52	50			325	103	32			50			325	140	43	76	84	
KAL	10			100	308	308	141	118		7			127			166	-23	10	7	71	100	435	435	307	42
GUA		2		100	33	33	175	-81		6			100			543	-82		7		100	133	133	717	-81
MPR	25	30	119	320	249	78	129	93	35	22	62	310	211	68	107	98	60	52	86	630	460	73	236	95	
RMD TOT	200	190	95	2490	2159	87	2051	5	305	334	110	3820	3778	99	3536	7	505	524	104	6310	5937	94	5587	6	
DRZ																									
PUR																									
GR TOT	200	190	95	2490	2159	87	2051	5	305	334	110	3820	3778	99	3536	7	505	524	104	6310	5937	94	5587	6	

FLUXES

KTR	35	40	115	436	330	76	295	12
TDMR	8	8	98	98	64	65	77	-17
TOT	43	48	112	534	394	74	372	6

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

February 2019

दूर्गापूर इस्पात संयन्त्र

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			30	-77		33			138			29	374		33			145		59	144
BOL	105	88	83	1095	959	88	791	21	130	93	72	1470	1502	102	1225	23	235	181	77	2565	2461	96	2016	22	
BAR																									
TAL																									
KAL																									
GUA	45	14	31	500	344	69	374	-8	65	36	55	840	764	91	896	-15	110	49	45	1340	1108	83	1271	-13	
MPR							4	-100															4	-100	
RMD TOT	150	102	68	1595	1310	82	1208	9	195	162	83	2310	2403	104	2150	12	345	263	76	3905	3713	95	3358	11	
DRZ																									
PUR																									
GR TOT	150	102	68	1595	1310	82	1208	9	195	162	83	2310	2403	104	2150	12	345	263	76	3905	3713	95	3358	11	
0							FLUXES																		
KTR	5			43	36	83	12	197																	
TDMR							4	-100																	
TOT	5			43	36	83	16	123																	

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

February 2019

राउरकेला इस्पात संयन्त्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	APP	ACT	%FF
KRB	15	83	551	325	614	189	726	-15	100	111	111	1220	1564	128	1567	0	115	194	168	1545	2178	141	2293	-5	
MBR	15	33	222	335	554	165	459	21	20	156	778	675	1282	190	1115	15	35	189	540	1010	1836	182	1574	17	
BOL																									
BAR	65	6	10	435	293	67			100	4	4	550	178	32			165	11	6	985	471	48			
TAL	20			390	139	36	275	-49				100					20			490	139	28	275	-49	
KAL	60	81	135	720	491	68	448	9	120	70	58	1070	567	53	450	26	180	151	84	1790	1058	59	898	18	
GUA		4			4												4			4			4		
MPR		4			98		14	586				50	60	119	41	46		4		50	157	315	55	185	
RMD TOT	175	211	121	2205	2192	99	1922	14	340	341	100	3665	3651	100	3173	15	515	552	107	5870	5844	100	5094	15	
PUR																850	-100							850	-100
DRZ					6		7	-14														6		7	-14
GR TOT	175	211	121	2205	2198	100	1929	14	340	341	100	3665	3651	100	4023	-9	515	552	107	5870	5850	100	5951	-2	

0

FLUXES

KTR	10	27	273	171	110	64	104	6
TDMR	2	3	130	26	22	83	39	-44
TOT	12	30	249	197	132	67	142	-7

## IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS

February 2019

बर्नपूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	
KRB	5			170			12	-100							3		13	-76	5		170	3	2	26	-87
MBR				3					40	12	30	460	171	37	125	37	40	12	30	460	174	38	125	39	
BOL	60	47	79	595	390	66	449	-13	70	117	167	790	956	121	1026	-7	130	164	126	1385	1346	97	1475	-9	
BAR																									
TAL							22	-100																22	-100
KAL				100			46	-100								29	-100			100				75	-100
GUA	15	66	440	320	610	191	168	264	120	133	111	1655	1285	78	1025	25	135	199	148	1975	1895	96	1193	59	
MPR		11			50		62	-19		10			45			15	190		21			95		77	22
RMD TOT	80	124	156	1185	1053	89	759	39	230	272	118	2905	2459	85	2234	10	310	396	128	4090	3512	86	2993	17	
DRZ																									
PUR																									
GR TOT	80	124	156	1185	1053	89	759	39	230	272	118	2905	2459	85	2234	10	310	396	128	4090	3512	86	2993	17	

### FLUXES

KTR								
TDMR				4	5	133	8	-34
TOT				4	5	133	8	-34

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

February 2019

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	18	61	560	74	13	188	-61	30	18	61	560	74	13	188	-61
MBR													8		18	-58					8		18	-58
BOL																								
BAR									70			540					70			540				
TAL																								
KAL																								
GUA																								
MPR																								
RMD TOT									100	18	18	1100	81	7	206	-61	100	18	18	1100	81	7	206	-61
DRZ																								
PUR																								
GR TOT									100	18	18	1100	81	7	206	-61	100	18	18	1100	81	7	206	-61

**FLUXES**

KTR	50	35	71	590	407	69	493	-17
TDMR	5	8	158	67	120	179	36	233
TOT	55	43	79	657	527	80	529	0

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

February 2019  
BSL+DSP+RSP+ISP+BSP

UNIT '000 TONNES

MINE	LUMP							FINES							TOTAL									
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	80	86	108	1180	917	78	1129	-19	200	236	118	2640	2626	99	2635	0	280	322	115	3820	3543	93	3764	-6
MBR	75	86	115	1065	922	87	1063	-13	120	243	203	1985	2502	126	2314	8	195	329	169	3050	3424	112	3377	1
BOL	190	175	92	2065	1997	97	1813	10	290	237	82	3635	3018	83	3078	-2	480	412	86	5700	5015	88	4891	3
BAR	85	68	81	615	517	84			170	127	75	1190	966	81			255	196	77	1805	1483	82		
TAL	20			390	176	45	373	-53	50			425	103	24			70			815	279	34	373	-25
KAL	70	81	116	920	799	87	636	26	120	77	64	1070	694	65	644	8	190	158	83	1990	1493	75	1280	17
GUA	60	85	142	920	991	108	717	38	185	175	94	2495	2149	86	2464	-13	245	260	106	3415	3139	92	3180	-1
MPR	25	45	180	320	397	124	209	90	35	32	91	360	315	88	163	93	60	77	128	680	712	105	372	91
RMD TOT	605	627	104	7475	6715	90	5939	13	1170	1127	96	13800	12373	90	11299	10	1775	1754	99	21275	19088	90	17238	11
PUR																850	-100						850	-100
DRZ					6		7	-14													6		7	-14
GR TOT	605	627	104	7475	6721	90	5946	13	1170	1127	96	13800	12373	90	12149	2	1775	1754	99	21275	19094	90	18095	6

FLUXES

KTR	100	103	103	1240	883	71	904	-2
TDMR	15	18	123	195	211	108	163	29
TOT	115	121	106	1435	1094	76	1067	3

**FLUX MINES OPERATIONS**  
**February 2019**

UNIT 000 TONNES

**PRODUCTION**

MINE		PLAN 2018-19	FOR THE MONTH				GRTH % OVER LSTYR Feb 2018	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Feb 2018		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1365	100	106	106	74	44.2	1240	878	71	898	-2.2
TULSIDAMAR	DOLO	210	15	12	83	16	-22.6	195	165	85	193	-14.6
RMD TOTAL		1575	115	119	103	90	32.3	1435	1043	73	1091	-4.4

**DESPATCHES**

MINE		PLAN 2018-19	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1365	100	103	103	73	41.3	1240	883	71	904	-2.2
TULSIDAMAR	DOLO	210	10	18	184	11	67.8	190	211	111	166	26.7
RMD TOTAL		1575	110	121	110	84	44.8	1430	1094	77	1070	2.3

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
Dec-17	97393	96864	25109	17734	122502	114598
Jan-18	109907	104185	18259	14878	128166	119063
Feb-18	73705	72888	15999	10962	89704	83850
Total	898357	903651	192964	166218	1091321	1069869

THIS YEAR FLUX PERFORMANCE 2018-19						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-18	65066	71776	13836	22043	78902	93819
May-18	75105	87834	14281	12952	89386	100786
Jun-18	98203	86914	15876	21881	114079	108795
Jul-18	81536	79424	12834	20622	94370	100046
Aug-18	46162	47466	14831	26918	60993	74384
Sep-18	78218	79007	19986	12059	98204	91066
Oct-18	60349	66898	14957	14969	75306	81867
Nov-18	53239	58462	16047	11375	69286	69837
Dec-18	97046	91443	17334	24303	114380	115746
Jan-19	117022	111178	12374	25099	129396	136277
Feb-19	106272	102983	12380	18393	118652	121376
Total	878218	883384	164736	210614	1042954	1093998

Over Last Year

DIFF	-20139	-20267	-28228	44396	-48367	24129
%Chg	-2.2	-2.2	-14.6	26.7	-4.4	2.3

**QUALITY ANALYSED AT PLANT**

February 2019

बोकारो इस्पात संयंत्र

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	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	30	18	5	5	10	
	MTH ACT						62.03	3.70	2.58	9.68	31.77		28.61	18.31	5.53	4.70	9.10	
CUM	2018-19	62.68	3.49	1.81	15.00	18.71	62.08	3.83	2.36	9.89	30.61	CUM	2018-19	28.73	18.81	5.16	5.11	9.07
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	50	2.25	3.5	5	5	
	MTH ACT	63.00	3.34	1.62	16.91	17.92	61.77	4.57	2.20	5.89	35.58		43.49	1.87	3.18	9.60	18.67	
CUM	2018-19	62.86	3.18	1.90	14.84	19.93	61.79	4.19	2.48	5.19	35.49	CUM	2018-19	43.73	2.48	3.55	6.72	23.02
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	63.35	2.80	1.60	21.13	16.30	62.31	3.50	2.31	2.23	42.37							
CUM	2018-19	63.07	2.88	1.86	18.76	19.29	62.42	3.43	2.23	2.93	41.25							
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	63.01	2.67	2.19	21.66	15.50	61.81	3.85	2.66	7.47	33.64							
CUM	2018-19	62.92	2.94	2.03	20.31	17.30	61.89	3.60	2.70	5.80	34.54							
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	62.80	2.18	3.02	22.64	18.06	61.36	3.60	3.65	6.60	34.91							
CUM	2018-19	62.74	2.31	2.98	20.83	17.99	61.53	3.45	3.61	6.00	34.38							
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						63.99	1.90	1.91	3.90	28.50							
CUM	2018-19	63.76	2.13	2.06	6.64	12.96	63.37	2.39	2.29	4.52	29.93							
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	63.85	2.06	1.69	12.26	8.87	63.39	2.63	1.79	4.28	28.58							
CUM	2018-19	63.76	2.09	1.93	13.04	10.96	63.31	2.44	2.23	4.55	29.66							
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							

**QUALITY ANALYSED AT PLANT**

February 2019

दूर्गापुर इस्पात संयंत्र

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	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	30	18	5	5	10	
	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	50	2.25	3.5	5	5	
	MTH ACT						61.42	6.00	2.01	4.93	51.93							
CUM	2018-19	62.80	2.60	2.00	17.60	4.20	61.67	4.83	2.12	3.93	46.37	CUM	2018-19	47.71	2.21	4.14	20.97	19.32
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	63.98	1.34	1.68	12.34	14.70	63.18	2.35	2.17	6.23	45.62
CUM	2018-19	62.69	3.01	1.68	21.83	15.65	63.29	3.03	1.94	2.76	50.84
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	61.63	3.95	1.53	18.60	11.41	61.13	3.96	3.07	6.66	40.65
CUM	2018-19	62.21	2.92	1.89	22.10	14.14	62.40	3.05	2.61	5.88	41.29
CUM	2017-18	62.70	2.27	1.95	15.32	15.19	62.89	2.69	2.26	5.71	41.45

**QUALITY ANALYSED AT PLANT**

**February 2019**

**रात्रकेला इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	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	30	18	5	5	10
	MTH ACT	62.56	3.60	2.35	14.90	22.70	62.06	3.52	2.57				29.10	19.10	3.60		
CUM	2018-19	62.58	3.27	2.69	14.81	20.40	62.08	3.30	2.72	7.44	37.07	CUM	2018-19	29.69	18.06	5.22	
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
MBR	MTH ACT	62.50	3.36	2.64	19.30	21.00	62.04	3.49	2.60			49.51	2.54	3.23					
	CUM	2018-19	62.53	3.22	2.83	15.27	20.05	62.01	3.41	2.71	7.78	34.00	CUM	2018-19	49.91	2.70	3.02		
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	62.60	3.25	2.75	16.00	24.00	62.00	4.00	2.20								
CUM	2018-19	62.42	3.14	3.09	12.84	22.28	61.80	3.42	2.98	7.20	34.12						
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	63.28	2.79	2.09	12.80	17.50	62.76	3.00	2.14	7.00	38.00						
CUM	2018-19	63.49	2.50	2.14	13.79	16.76	62.98	2.49	2.08	6.16	33.94						
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	63.00	2.90	2.90	19.00	17.00											
CUM	2018-19	63.40	2.56	2.27	16.64	15.80	62.93	2.57	2.38	7.89	35.05						
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											

**QUALITY ANALYSED AT PLANT**

February 2019

बर्नपूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	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	30	18	5	5	10
	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						61.39	4.50	3.51	4.39	38.06		MTH ACT					
CUM	2018-19	64.79	1.47	1.18	66.82	0.70	61.21	4.75	3.29	7.98	37.77	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	63.01	3.06	1.41	22.52	3.68	61.88	4.14	3.11	5.92	43.47
CUM	2018-19	63.01	3.11	1.98	23.95	2.49	62.81	3.54	2.44	4.81	48.17
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	62.52	3.08	2.56	9.50	2.75	60.91	4.18	4.14	9.35	33.87
CUM	2018-19	62.77	3.35	2.16	20.27	1.54	61.63	3.95	3.33	8.41	38.94
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	62.89	2.70	2.31	18.67	2.67	59.78	4.41	5.68	3.45	41.73
CUM	2018-19	63.37	2.49	2.12	23.76	3.30	61.03	4.45	3.97	5.28	47.99
CUM	2017-18	62.41	2.41	3.68	23.83	4.96	61.01	3.09	4.95	3.76	43.00

**QUALITY ANALYSED AT PLANT**

February 2019

मिलाई इस्पात संयन्त्र

लौह अयस्क लम्प

लौह अयस्क फार्मिन्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	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	30.0	18.0	5.0	5.0	10.0	
	MTH ACT						62.90	2.78	2.47	6.10	47.26		27.73	17.61	8.97	31.61	10.44	
CUM	2018-19						62.81	4.13	2.06	9.52	40.42	CUM	2018-19	28.54	17.65	8.23	33.73	9.31
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	49.44	2.42	4.03	9.93	17.44	
CUM	2018-19							62.32	4.69	1.61	1.10	39.60	CUM	2018-19	49.76	2.30	3.93	9.39	18.54
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											

## किरीबुरु

## लम्प

	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	62.71	3.31	2.34	17.78	20.42	5.65	0.71	97108
Jan-19	62.78	3.16	2.33	20.11	18.65	5.49	0.74	78706
Feb-19	62.56	3.60	2.35	14.90	22.70	5.95	0.65	87909
Mar-19								
CUMML	62.61	3.34	2.40	14.88	19.85	5.75	0.72	919793

## किरीबुरु

## फाईन्स

	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	62.08	3.83	2.29	8.19	34.72	6.12	0.60	229295
Jan-19	62.07	3.67	2.43	8.31	37.79	6.11	0.66	229295
Feb-19	62.11	3.54	2.57	9.15	34.05	6.11	0.72	234075
Mar-19								
CUMML	62.10	3.52	2.56	9.05	33.39	6.08	0.73	2627889

## मेघाहातुबुरु

## लम्प

	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	62.71	3.37	2.40	17.17	21.00	5.77	0.71	90698
Jan-19	62.54	3.51	2.32	20.25	19.07	5.84	0.66	100086
Feb-19	62.80	3.35	2.02	17.85	19.13	5.37	0.60	86692
Mar-19								
CUMML	62.67	3.20	2.45	15.30	19.83	5.65	0.77	929236

## मेघाहातुबुरु

## फाईन्स

	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	61.96	3.82	2.55	6.18	36.06	6.37	0.67	236899
Jan-19	61.94	3.90	2.47	4.99	37.82	6.37	0.63	213272
Feb-19	61.89	4.02	2.50	5.43	40.33	6.52	0.62	247827
Mar-19								
CUMML	61.87	3.84	2.62	5.49	37.31	6.47	0.68	2495838

## बोलानी

## लम्प

	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	63.01	2.26	1.96	23.41	11.18	4.22	0.87	239216
Jan-19	62.50	2.74	2.26	25.99	11.63	5.00	0.83	171814
Feb-19	62.16	3.45	1.96	16.61	9.75	5.40	0.57	165199
Mar-19								
CUMML	62.55	3.00	1.99	21.22	12.55	5.00	0.66	1942492

## ग्राम

## लम्प

	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	62.92	2.50	2.33	20.13	8.13	4.83	0.93	95441
Jan-19	62.97	3.00	2.30	34.16	6.06	5.30	0.77	96215
Feb-19	63.15	2.80	1.51	20.14	7.21	4.31	0.54	84117
Mar-19								
CUMML	62.90	3.07	1.88	22.99	7.64	4.94	0.61	995179

## बोलानी

## फाईन्स

	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	62.01	3.30	3.15	7.13	38.64	6.45	0.96	277108
Jan-19	61.71	2.43	3.20	6.97	41.13	5.63	1.32	263332
Feb-19	61.09	4.06	3.59	8.17	36.30	7.66	0.88	252002
Mar-19								
CUMML	62.05	3.35	2.87	6.69	39.24	6.22	0.86	3023013

## ग्राम

## 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	63.28	2.96	2.21	4.61	43.85	5.18	0.75	194955
Jan-19	62.60	3.40	2.85	4.12	48.24	6.25	0.84	201793
Feb-19	62.17	3.74	2.87	5.77	43.84	6.61	0.77	158238
Mar-19								
CUMML	62.97	3.35	2.25	4.00	48.84	5.60	0.67	2190493

## 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	62.81	2.54	2.64	17.91	20.04	5.18	1.04	75127
Jan-19	62.40	2.68	3.13	22.77	17.85	5.80	1.17	64309
Feb-19	62.78	2.28	2.99	21.99	18.64	5.28	1.31	68025
Mar-19								
CUMML	62.56	2.78	3.04	16.31	20.48	5.82	1.09	522028

## तल्डौह

## 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	61.70	3.34	3.38	5.92	32.11	6.72	1.01	99184
Jan-19	61.22	3.73	3.73	6.13	34.26	7.46	1.00	120778
Feb-19	61.38	3.61	3.60	6.60	34.91	7.22	1.00	130907
Mar-19								
CUMML	61.58	3.44	3.49	7.11	34.38	6.94	1.01	970100

## तल्डौह

## 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	63.32	2.44	2.04	17.37	7.41	4.47	0.84	44525
Jan-19	63.64	2.09	2.13	19.58	8.79	4.22	1.02	47749
Feb-19	63.54	2.29	1.95	14.41	8.03	4.23	0.85	45255
Mar-19								
CUMML	63.63	2.25	2.03	15.18	11.23	4.28	0.90	381596

## 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	63.46	2.53	1.95	15.59	16.08	4.48	0.77	81430
Jan-19	63.60	2.53	1.95	15.99	16.90	4.48	0.77	85323
Feb-19	63.28	2.79	2.09	12.80	17.50	4.88	0.75	76885
Mar-19								
CUMML	63.59	2.35	2.11	11.02	15.27	4.46	0.90	818371

## 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	62.56	3.28	2.38	5.92	34.32	5.65	0.72	50436
Jan-19	62.90	2.85	2.47	4.84	34.05	5.32	0.87	37545
Feb-19	62.12	3.26	3.16	3.99	33.21	6.42	0.97	28104
Mar-19								
CUMML	62.95	2.73	2.48	5.20	32.97	5.21	0.91	313607

## 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	63.19	2.50	2.00	4.37	29.49	4.49	0.80	77297
Jan-19	63.00	2.62	1.96			4.58	0.75	68887
Feb-19	62.86	2.91	2.12	6.76	37.25	5.04	0.73	82090
Mar-19								
CUMML	63.04	2.48	2.13	5.51	32.25	4.61	0.86	717983

ग्रनावर्त्ता :: बोकारो

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	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	63.15	2.45	2.18	19.56	15.55	4.62	0.89	217175
Jan-19	62.84	2.65	2.42	20.37	14.84	5.07	0.91	196292
Feb-19	63.08	2.60	2.22	19.00	15.98	4.81	0.85	178986
Mar-19								
CUMML	63.09	2.76	2.07	15.67	16.63	4.83	0.75	2135195

ग्रनावर्त्ता :: बोकारो

BLEND

फाइबर्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	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	62.24	3.54	2.45	6.71	31.45	5.99	0.69	349449
Jan-19	61.75	3.76	2.93	6.46	33.39	6.69	0.78	324747
Feb-19	61.84	3.71	2.86	7.21	33.70	6.57	0.77	347981
Mar-19								
CUMML	62.00	3.64	2.70	6.55	33.36	6.35	0.74	3802376

ग्रनावर्त्ता:: दूर्गापुर

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	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	62.86	1.97	1.73	24.01	13.94	3.70	0.88	138255
Jan-19	62.21	2.50	2.05	24.95	16.53	4.55	0.82	80825
Feb-19	61.94	3.61	1.55	17.78	11.84	5.16	0.43	97734
Mar-19								
CUMML	62.34	2.94	1.84	22.00	14.48	4.77	0.62	1272595

ग्रनावर्त्ता:: दूर्गापुर

BLEND

फाइबर्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	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	62.67	2.72	2.57	5.45	43.15	5.30	0.95	221975
Jan-19	62.21	3.03	2.81	7.32	43.23	5.83	0.93	165005
Feb-19	61.62	3.95	2.70	6.28	43.58	6.65	0.68	147724
Mar-19								
CUMML	62.65	3.14	2.37	4.76	44.66	5.51	0.75	2362317

गुणवत्ता :: राउरकेला

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	AI+Si	AI/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	62.84	3.19	2.35	17.29	19.98	5.55	0.74	250822
Jan-19	62.92	3.18	2.27	19.07	18.74	5.45	0.72	225365
Feb-19	62.82	3.24	2.33	14.77	20.80	5.57	0.72	212875
Mar-19								
CUMML	62.84	2.98	2.61	14.15	19.40	5.59	0.87	2215959

गुणवत्ता :: राउरकेला

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	AI+Si	AI/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	62.20	3.41	2.42			5.83	0.71	320436
Jan-19	62.27	3.37	2.36			5.73	0.70	357843
Feb-19	62.20	3.40	2.49			5.88	0.73	347271
Mar-19								
CUMML	62.20	3.21	2.62			5.83	0.82	3694892

गुणवत्ता :: बर्नपूर इस्पात संयंत्र

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	AI+Si	AI/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	63.05	2.63	2.39	19.51	1.42	5.02	0.91	117293
Jan-19	63.03	2.88	2.41	33.97	3.49	5.30	0.84	141720
Feb-19	62.81	3.04	1.93	17.23	3.24	4.96	0.64	124487
Mar-19								
CUMML	62.94	3.17	2.05	22.71	2.17	5.22	0.65	1062364

गुणवत्ता :: बर्नपूर इस्पात संयंत्र

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	AI+Si	AI/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	62.20	3.76	3.03	6.88	39.34	6.79	0.81	288871
Jan-19	62.02	2.82	3.21	4.84	46.41	6.03	1.13	288479
Feb-19	61.31	4.19	3.73	7.45	38.46	7.91	0.89	271909
Mar-19								
CUMML	62.23	3.78	2.87	6.43	43.94	6.65	0.76	2489323

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बोकारो इस्पात संयंत्र

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18	29.8	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	27.48	17.71	4.76	4.81	9.18
Jan-19	25.21	16.40	6.75	4.50	8.95
Feb-19	28.61	18.31	5.53	4.70	9.10
Mar-19					
CUMML	28.73	18.81	5.16	5.11	9.07

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18	45.6	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	42.87	2.72	3.43	8.63	18.01
Jan-19	43.10	2.31	3.29	9.30	17.57
Feb-19	43.49	1.89	3.18	9.60	18.67
Mar-19					
CUMML	43.73	2.48	3.55	6.72	23.02

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बिलाई इस्पात संयंत्र

कुटेश्वर BF LST

	CaO	MgO	SiO <sub>2</sub>	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	29.17	17.48	7.52	34.24	8.65
Jan-19	28.94	17.79	7.60	29.25	8.13
Feb-19	27.73	17.61	8.97	31.61	10.44
Mar-19					
CUMML	28.54	17.65	8.23	33.73	9.31

	CaO	MgO	SiO <sub>2</sub>	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	49.57	2.45	3.91	11.20	17.90
Jan-19	50.12	2.09	3.71	9.57	16.09
Feb-19	49.44	2.42	4.03	9.93	17.44
Mar-19					
CUMML	49.76	2.30	3.93	9.39	18.54

PROJ. NO.	CUMM. UTILIS. UPTO Feb '19	MAKE / TYPE	CAP	DATE OF COMMISSION	FEBRUARY 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%	FEED RATE	HSD/ HR		
<b>EXCAVATORS [3]</b>																										
EX-20	24796	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	560	4	365	556	191	99.29	34.35	34.11	5.42	67.28	6680	229	3893	6451	2558	96.6	39.7	38.3	5.06	56.52		
EX-22	13943	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	560	18	213	542	329	96.79	60.70	58.75	5.22	65.81	6680	601	2874	6079	3205	91.0	52.7	48.0	5.13	61.02		
EX-23	14727	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	560	8	239	552	313	98.57	56.70	55.89	5.08	64.22	6680	120	2772	6561	3789	98.2	57.8	56.7	5.24	61.10		
*EX-19 shifted to MIOM during July 16					TOTAL	1680	30	817	1650	833	98.21	50.48	49.58	5.21	65.55	20040	950	9539	19091	9552	95.3	50.0	47.7	5.15	59.85	
<b>DUMPERS [8]</b>																										
DUM-87	13496	BEML,BH-85	85Te	30-Mar-08	560	228	252	332	80	59.29	24.10	14.29	5.84	49.38	4840	4316	409	524	115	10.8	21.9	2.4	4.90	40.43		
DUM 88	29160	KOMATSU HD785-7	100 Te	23-Jul-10	560	524	16	36	20	6.43	55.56	3.57	3.85	80.00	6680	3697	1120	2983	1863	44.7	62.5	27.9	3.46	46.51		
DUM 89	33871	KOMATSU HD785-7	100Te	23-Jul-10	560	57	183	503	320	89.82	63.62	57.14	3.81	44.84	6680	955	2196	5725	3529	85.7	61.6	52.8	3.54	46.88		
DUM-91	18341	CAT 777D	100T	2-Feb-12	560	560									6680	3520	1957	3160	1203	47.3	38.1	18.0	3.43	49.16		
DUM-92	20457	CAT 777D	100T	2-Feb-12	560	560									6680	3547	1872	3133	1261	46.9	40.2	18.9	3.48	41.20		
DUM-93	7900	BEML BH-100	100T	2-May-15	560	84	191	476	285	85.00	59.87	50.89	3.70	45.61	6680	2076	2524	4604	2080	68.9	45.2	31.1	3.63	49.45		
DUM-94	6235	BEML BH-100	100T	2-May-15	560	139	251	422	171	75.27	40.57	30.54	3.80	45.03	6680	889	3918	5792	1874	86.7	32.4	28.1	3.61	49.62		
DUM-95	5131	BEML BH-100S	100T	May 2016	560	23	298	537	239	95.89	44.51	42.68	3.96	39.12	6680	548	4519	6132	1613	91.8	26.3	24.1	4.21	52.54		
TOTAL					TOTAL	3920	1947	939	1974	1035	50.34	52.44	26.40	3.81	44.44	46760	15232	18106	31529	13423	67.4	42.6	28.7	3.62	47.96	
<b>DRILL [4]</b>																										
DM-17	22645	IR-ROTACOL-IDM-30	160mm	24-Mar-05	448	79	246	369	123	82.37	33.33	27.46	10.89	34.96	5344	2498	2135	2846	711	53.3	25.0	13.3	9.35	35.30		
DM-18	25767	AC-ROTACOL-IDM-30	160mm	19-May-08	448	320	94	128	34	28.57	26.56	7.59	9.35	35.29	5344	2351	1773	2993	1220	56.0	40.8	22.8	11.03	24.63		
DM-19	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	448	448									5344	5344										
DM-20	10216	AC-ROTACOL-IDM-30	160mm	Oct '14	448	28	202	420	219	93.75	52.02	48.77	10.37	21.74	5344	750	2116	4594	2478	86.0	53.9	46.4	10.74	22.88		
TOTAL					TOTAL	1792	875	542	917	376	51.17	40.95	20.95	10.45	27.30	21376	10943	6024	10433	4409	48.8	42.3	20.6	10.60	25.37	
<b>DOZER [7]</b>																										
DOZ-27	33570	BEML, D-355	410HP	15-May-01												3904	3904									
DOZ-28	26491	BEML, D-355	410HP	14-May-04												4400	2667	1307	1733	426	39.4	24.6	9.7		30.14	
DOZ-29	18180	BEML, D-355	410HP	11-Jun-04	448	448										4848	4848									
DOZ-30	21801	BEML, D-355	410HP	8-Jul-07	448	195	190	254	64	56.58	25.05	14.17			35.43	5344	903	3643	4442	799	83.1	18.0	15.0		33.17	
DOZ-31	19814	BEML, D-355	410 HP	19-Feb-09	448	315	69	133	64	29.69	48.12	14.29			34.38	5344	1965	2362	3379	1018	63.2	30.1	19.0		36.42	
DOZ-32	6518	BEML, D-355	410 HP	17-Apr-15	448	448										5344	3045	1447	2299	852	43.0	37.1	15.9		39.94	
DOZ-33	4200	BEML, D-356	410HP	22-Sep-17	448	19	128	429	302	95.76	70.28	67.30			37.81	5344	295	2095	5049	2955	94.5	58.5	55.3		37.37	
DOZ-34	417	BEML, D-356	410HP	31-Dec-18	448	60	209	388	180	86.61	46.26	40.07			35.65	944	61	467	883	417	93.5	47.2	44.1		35.29	
TOTAL					TOTAL	2688	1485	595	1204	609	44.77	50.56	22.64			36.57	35472	17688	11319	17785	6466	50.1	36.4	18.2		36.43
<b>PAY LOADER [1]</b>																										
FEL-4	11692	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	224	45	93	180	87	80.13	48.47	38.84			23.56	2672	188	1312	2484	1173	93.0	47.2	43.9		21.66	
<b>MPTOR GRADER [3]</b>																										
MG-6	118	BEML, GD-605R2	145 HP	9-Oct-87												976	180	678	796	118	81.6	14.8	12.1		35.59	
MG-7	6322	BEML, BG 825	280HP	10-Jul-91	224	224										2672	2672									
MG-8	3077	BEML, BG825	280HP	19-May-12	224	58	130	166	36	74.11	21.69	16.07			23.61	2672	2071	414	601	187	22.5	31.1	7.0		24.33	
TOTAL					TOTAL	448	282	130	166	36	37.05	21.69	8.04			23.61	6320	4923	1092	1397	305	22.1	21.8	4.8		28.69
<b>WATER TANKER [2]</b>																										
WT-83	20830	BEML, WS-28-2	28KL	21-Mar-05	560	46	387	514	127	91.79	24.71	22.68			26.38	6680	1755	3936	4926	990	73.7	20.1	14.8		27.26	
WT-90	12967	BEML, WS-28-2	28KL	Mar '11	560	560										6680	4652	1434	2028	594	30.4	29.3	8.9		27.66	
TOTAL					TOTAL	1120	606	387	514	127	45.89	24.71	11.34			26.38	13960	7007	5370	6954	1584	49.8	22.8	11.3		27.41

MEGHAHATUBURU IRON ORE MINES

PROJ. NO.	CUMM. UTILIS. UPTO Feb'19	MAKE / TYPE	CAPACITY	DATE OF COMM	February'2018										2018-2019											
					SCH. HRS.	DOW N 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 %	UT% net	F/RATE	HSD/HR		
<b>EXCAVATORS 4.5 CUM.</b>																										
BE-11	36808	BEML	4.5 CUM	30-09-2005	672	369	176	303	127	45	42	19	1.1	26.8	8016	5242	2057	2775	718	34.61	25.88	8.96	1.8	25		
<b>EXCAVATORS 9.5 CUM.</b>																										
PC-14	31081	KOMATSU	9.5 CUM	20-01-2012	672	324	138	349	211	52	61	31	14.7	86.0	8016	3006	2043	5011	2968	62.51	59.24	37.03	12.2	82		
PC-17	15746	KOMATSU	9.5 CUM	24-07-2015	672	183	181	490	309	73	63	46	16.1	87.9	8016	2120	2217	5897	3680	73.56	62.41	45.91	12.8	82		
PC-18	28980	KOMATSU	9.5 CUM	11-07-2016	672	227	178	445	267	66	60	40	15.5	88.2	8016	2411	2246	5606	3360	69.93	59.94	41.92	11.9	83		
					Total	TOTAL	2016	733	496	1283	787	64	61	39	15.6	87.5	24048	7536	6505	16513	10008	68.66	60.61	41.62	12.3	83
<b>DUMPER,100 TE</b>																										
D - 51	28987	KOMATSU	100 TON	01-09-2010	672	115	198	557	360	83	65	53	4.3	35.4	8016	2819	1832	5198	3366	64.84	64.76	41.99	3.8	34		
D - 52	30333	KOMATSU	100 TON	01-09-2010	672	232	161	440	279	65	63	42	4.2	35.3	8016	3271	1518	4746	3228	59.20	68.02	40.27	3.6	34		
D - 53	28985	KOMATSU	100 TON	01-09-2010	672	158	220	514	295	76	57	44	4.4	37.4	8016	4524	1312	3492	2180	43.56	62.43	27.20	3.7	36		
D - 54	15343	CATER	100 TON	06-02-2012	672	588	76	84	8	13	10	1	5.8	37.5	8016	4408	2518	3608	1090	45.01	30.21	13.60	3.6	37		
D - 55	17752	CATER	100 TON	06-02-2012	672	385	187	287	101	43	35	15	4.6	36.3	8016	3219	3266	4797	1531	59.84	31.92	19.10	3.6	37		
D - 56	7380	BEML	100 TON	09-05-2016	672	323	177	349	172	52	49	26	4.1	35.8	8016	2745	2453	5272	2819	65.76	53.48	35.17		37		
D - 57	7558	BEML	100 TON	09-05-2016	672	253	185	419	235	62	56	35	4.0	36.7	8016	2707	2597	5310	2713	66.24	51.10	33.84		38		
					Total	TOTAL	4704	2054	1202	2650	1448	56	55	31	4.3	36.1	56112	23691	15494	32421	16927	57.78	52.21	30.17	3.7	36
<b>DRILL</b>																										
DM - 7	23921	IR	6 " DIA	01-04-2005	672	97	424	575	151	1		0		33.1	4344	2812	857	1533	676	35.28	44.08	15.55	5.6	34		
DM - 8	21217	IR	6 " DIA	05-05-2008	672	153	405	519	114	77	22	17	11	32.9	4344	1736	993	2609	1616	60.05	61.95	37.20	10.2	33		
DM - 9	19765	IR	6 " DIA	16-09-2009	672	102	415	570	155	85	27	23	15	32.3	4344	1883	1010	2462	1452	56.66	58.97	33.41	12.4	34		
DM - 10	12192	IR	6 " DIA	06-11-2014	672	57	418	615	198	92	32	29	16	33.7	4344	632	992	3712	2721	85.45	73.29	62.63	17.2	33		
					Total	TOTAL	2688	409	1662	2279	618	85	27	23	12	33.0	17376	7062	3851	10315	6464	59.4	62.7	37.2	13.1	33
<b>DOZER</b>																										
DOZ-23	21821	BEML	410 HP	02-10-2008	672	298	212	374	162	56	43	24		34.0	8016	3498	2716	4518	1803	56.36	39.90	22.49		27		
DOZ-24	18059	BEML	410 HP	06-04-2010	672	672									8016	3270	2843	4747	1904	59.21	40.11	23.75		28		
DOZ-25	8167	BEML	410 HP	28-12-2010	672	467	140	205	66	31		10		32.8	8016	5618	1775	2399	624	29.92	26.00	7.78		29		
DOZ-26	16607	BEML	410 HP	16-05-2011	672	282	261	390	129	58	33	19		35.3	8016	3924	2751	4093	1342	51.05	32.79	16.74		28		
DOZ-27	9578	BEML	410 HP	28-04-2015	672	283	239	390	151	58	39	22		34.1	8016	5507	1412	2510	1098	31.31	43.75	13.70		27		
DOZ-28	2665	BEML	410HP	31-03-2018	672	199	192	474	282	70	59	42		35.3	8016	2488	2864	5529	2665	68.97	48.20	33.25		29		
DOZ-29	387	BEML	410HP	19-12-2018	672	411	157	261	105	39	40	16		34.4	1728	671	671	1057	387	61.17	36.57	22.37		32		
					Total	TOTAL	4704	2611	1200	2093	894	44	43	19		34.6	49824	24974	15029	24851	9822	49.88	39.52	19.71		28
<b>BACK HOE</b>																										
BE-12A	21798	BEML	1.2 CUM	Nov'08	672	269	219	404	185	60	46	28		26	8016	4124	2571	3893	1322	48.56	33.95	16.49		23		
HT-15	18383	TCECL	1.5 CUM	03-10-2012	672	345	174	327	154	49	47	23		26	8016	3321	2372	4695	2324	58.57	49.49	28.99	0.2	24		
HT-16	12049	TCECL	1.5 CUM	01-12-2014	672	202	183	471	288	70	61	43		26	8016	3245	2361	4772	2411	59.52	50.52	30.07	0.1	24		
					Total	TOTAL	2016	815	575	1201	626	60	52	31		26	24048	10689	7304	13359	6056	55.55	45.33	25.18	0.1	23
<b>WATER TANKER</b>																										
WT - 05	18885.5	BEML	28 KL	15.02.07	672	250	245	422	178	1	0	0		23	8016	6724	918	1292	375	16.12	28.99	4.67		23		
WT - 06	11002	BEML	28 KL	17-08-2012	672	672									8016	4251	2866	3766	900	46.97	23.90	11.23	0.5	23		
WT - 45	31423	BEML	MODIFIED	29-09-2004	672	365	256	307	52	46	17	8		25	8016	2750	4259	5267	1008	65.70	19.14	12.57	0.5	24		
					Total	TOTAL	2016	1287	500	729	229	36	31	11		23	24048	13724	8042	10324	2283	42.93	22.11	9.49	0.4	23
<b>MOTOR GRADER</b>																										
MG-5	3844.5	BEML		01-03-2011	224	196	16	28	13	0	0	0		24	2672	2434	205	238	34	8.91	14.08	1.25		31		
MG-6	2372	BEML		09-05-2016	224	48	120	176	56	79	32	25		23	2672	643	1297	2029	732	75.94	36.08	27.40		23		
					Total	TOTAL	448	244	136	204	69	46	34	15		23	5344	3077	1502	2267	766	42.42	33.77	14.32		23

BOLANI ORE MINES

PROJ. NO.	CUMM. UTILIS. UPTO Feb'19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	FEBRUARY 2019										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/H R	
<b>EXCAVATORS</b>																									
EX-25	33594	BEML PC-1000(D)	4.5 CuM	21-Jun-04	672	672										8016	5841	1928	2175	248	27.14	11.38	3.09		51.74
EX-26	30885	BEML PC-1000(D)	4.5 CuM	24-Jun-05	672	128	502	544	42	81.0	7.7	6.3		19.0	8016	675	6765	7341	576	91.58	7.85	7.19	0.07	47.11	
				SUB TOTAL	1344	800	502	544	42	40.5	7.7	3.1		19.0	16032	6516	8693	9516	824	59.36	8.65	5.14	0.05	48.50	
EX-28	15482	BE-1600	7.5 Cu.m	22-Jun-10	672	351	289	321	32	47.8	10.0	4.8	6.3	59.4	8016	4559	3060	3458	398	43.13	11.50	4.96	1.50	74.19	
EX-29	25298	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	672	46	482	626	144	93.2	23.0	21.4	4.8	86.1	8016	1853	4469	6163	1694	76.88	27.49	21.13	4.39	80.41	
EX-30	14586	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	672	31	290	641	351	95.4	54.8	52.2	6.3	83.0	8016	397	3869	7619	3751	95.05	49.23	46.79	5.54	75.78	
EX-31	12945	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	672	121	328	551	223	82.0	40.5	33.2	5.6	86.1	8016	717	3983	7299	3316	91.06	45.43	41.37	5.00	76.18	
				SUB TOTAL	2688	549	1389	2139	750	79.6	35.1	27.9	5.8	83.5	32064	7525	15381	24539	9158	76.53	37.32	28.56	4.96	76.71	
				TOTAL	4032	1349	1891	2683	792	66.5	29.5	19.6	5.5	80.1	48096	14041	24074	34055	9982	70.81	29.31	20.75	4.55	74.38	
<b>DUMPER,50 TE</b>																									
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	17617	C.I.773D(I)	50 T	01-Mar-06	672	14	632	658	26	97.9	4.0	3.9		7.7	8016	1638	6076	6378	302	79.57	4.74	3.77	0.05	19.77	
HP-32	23411	BEML BH-50M	50 T	06-Mar-08	672		633	672	39	100.0	5.8	5.8		2.6	7920	2485	5119	5435	317	68.62	5.82	4.00	0.08	30.94	
				TOTAL	1344	14	1265	1330	65	197.9	9.8	9.7		10.3	20208	7886	11601	12323	722	160.12	30.87	10.19	0.14	24.92	
<b>DUMPER,100 TE</b>																									
HP-32A	29310	KOMATSU HD785-7	100 T	22-Jun-10	672	52	247	620	373	92.3	60.2	55.5	3.7	39.4	8016	2417	2763	5599	2835	69.84	50.64	35.37	3.27	36.74	
HP-34	26579	KOMATSU HD785-7	100 T	22-Jun-10	672	672										8016	6613	828	1403	575	17.50	41.01	7.18	3.00	37.73
HP-35	15580	BEML BH-100	100 T	22-Jun-10	672	343	289	329	40	49.0	12.2	6.0	3.3	33.0	8016	4326	3468	3690	223	46.03	6.03	2.78	3.01	40.98	
HP-36	11682	BEML BH-100	100 T	22-Jun-10	672	669	3	3		0.4					8016	4562	3224	3454	230	43.09	6.66	2.87	2.67	42.02	
HP-37	19204	CAT 777D	100 T	25-Jan-12	672	414	160	258	98	38.4	38.0	14.6	3.9	37.8	8016	3681	2481	4335	1854	54.08	42.77	23.13	3.33	37.41	
HP-38	8781	BEML BH-100S	100 T	03-May-16	672	55	388	617	229	91.8	37.1	34.1	3.2	35.8	8016	784	4862	7232	2371	90.22	32.78	29.57	3.12	36.08	
HP-39	8614	BEML BH-100S	100 T	03-May-16	672	281	315	391	76	58.2	19.4	11.3	3.6	51.7	8016	1173	4128	6843	2715	85.36	39.67	33.86	3.35	37.81	
HP-40	8994	BEML BH-100S	100 T	03-May-16	672	30	270	642	372	95.5	57.9	55.4	42.2	40.0	8016	795	4039	7222	3182	90.09	44.06	39.70	2.83	38.91	
				TOTAL	5376	2516	1672	2860	1188	53.2	41.5	22.1	2.5	40.0	64128	24351	25793	39777	13984	62.03	35.16	21.81	3.14	31.61	
<b>DRILL</b>																									
DM-11	16973	AC-ROTACOL-IDM-30	160mm	14-Aug-08	448	50	336	398	62	88.8	15.6	13.8	12.9	36.8	5344	965	2927	4379	1452	81.94	33.15	27.16	12.18	32.98	
DM-12	17715	AC-ROTACOL-IDM-30	160mm	12-Aug-09	448	253	119	195	76	43.5	39.0	17.0	12.8	37.8	5344	2849	1432	2495	1063	46.68	42.62	19.90	5.66	22.97	
DM-12A	16047	AC-ROTACOL-IDM-30	160mm	22-Mar-11	448	119	245	329	84	73.4	25.5	18.8	18.7	33.0	5344	1627	2454	3717	1263	69.55	33.98	23.64	11.25	41.41	
DM-14	9279	AC-ROTACOL-IDM-30	160mm	19-Nov-14	448	67	221	381	160	85.0	42.0	35.7	15.7	38.3	5360	1157	2309	4204	1894	78.42	45.06	35.34	11.12	36.87	
				TOTAL	1792	489	921	1303	382	72.7	29.3	21.3	15.3	36.8	21392	6598	9122	14794	5672	69.16	38.34	26.52	10.40	34.28	
<b>DOZER</b>																									
DOZ-22	16080	BEML BD355	410 HP	06-Jul-07	456	92	202	364	162	79.8	44.5	35.5		35.2	5392	1193	2318	4200	1882	77.88	44.81	34.90		32.72	
DOZ-23	11923	BEML BD355	410 HP	27-Aug-08	448	151	204	297	93	66.3	31.3	20.8		28.8	5360	714	3310	4646	1336	86.68	28.76	24.93		37.89	
DOZ-24	13433	BEML BD355	410 HP	09-Mar-10	464	213	176	251	75	54.1	29.9	16.2		39.3	7376	1262	4440	6114	1674	82.89	27.38	22.70		24.75	
DOZ-25	11449	BEML BD355	410 HP	09-Mar-10	448	105	191	343	152	76.6	44.3	33.9		48.8	5680	2277	2305	3403	1098	59.91	32.27	19.33		42.68	
DOZ-26	7769	BEML BD355	410 HP	03-May-14	448	432	8	16	8	3.6	50.0	1.8			5512	2629	2292	2883	591	52.30	20.49	10.72		54.95	
DOZ-27	6467	BEML BD355	410 HP	03-May-14	656	13	427	643	216	98.0	33.6	32.9		28.2	5672	2863	2120	2810	690	49.53	24.55	12.16		38.77	
DOZ-28	6323	BEML BD356	410 HP	26-Apr-16	672	5	465	667	202	99.3	30.3	30.1		29.7	8016	699	5192	7317	2125	91.28	29.04	26.51		28.28	
				TOTAL	3592	1011	1673	2581	908	71.9	35.2	25.3		34.0	45904	14533	21976	31371	9395	68.34	29.95	20.47		34.04	
<b>PAY LOADER</b>																									
PL-20	14315	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	672	10	498	662	164	98.5	24.8	24.4		12.9	8016	5105	1989	2911	922	36.31	31.67	11.50		15.52	
PL-22	10573	Hyundai-HI770-7A	280 HP	26-May-10	672	672										8016	7936	80	80		1.00				
PL-23	9495	Kawasaki, 90ZV	257 HP	07-Oct-15	672	13	440	659	219	98.1	33.2	32.6		26.0	8016	1028	4701	6989	2288	87.18	32.73	28.54		24.12	
				TOTAL	2016	695	938	1321	383	65.5	29.0	19.0		21.2	24048	14069	6770	9980	3210	41.50	32.16	13.35		21.93	
<b>MOTOR GRADER</b>																									
MG-6	3973	BEML BG 825	280 HP	04-Aug-08	448	320	114	128	14	28.6	10.9	3.1		146.4	5344	3110	2171	2235	64	41.81	2.86	1.20		66.41	
MG-7	3858	BEML BG 825	280 HP	04-May-12	448	426	10	22	12	4.9	54.5	2.7		73.1	5344	1090	3615	4255	640	79.61	15.04	11.97		50.52	
				TOTAL	896	746	124	150	26	16.7	17.3	2.9		112.6	10688	4199	5785	6489	704	60.71	10.85	6.58		51.97	
<b>WATER SPRINKLER</b>																									
WS-3	20144	BEML WS 28-2	28KL	12-Jan-05	672	512	151	160	9	23.8	5.6	1.3		61.1	8016	1862	6068	6154	87	76.77	1.41	1.08		35.72	
WS-4	13134	BEML WS 28-2	28KL	31-Mar-10	672	14	645	658	13	97.9	2.0	1.9		30.8	8016	332	7507	7684	178	95.86	2.31	2.			

## BARSUA MINES

 SAIL-RMD

PROJ. NO.	CUMM. UTILIS. UPTO Feb'19	MAKE / TYPE	CAP	DATE OF COMMISSION	FEBRUARY 2019											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%	HSD/ HR			
<b>EXCAVATORS [ 6 ]</b>																										
EX-20	25807	BEML,BE-1000	4.5 CuM	Mar-04	576	65	483	511	28	88.7	5.5	4.9	5.07	37.5	6128	670	4666	5458	792	89.07	14.51	12.92	45.33			
EX-21	18144	TELCON,1200V-1018	5.9 CuM	28-May-07	576	552	24	24	0	4.2	0.0	0.0	0.00	0.0	6136	1904	3553	4232	679	68.97	16.04	11.07	63.63			
EX-22	19397	BEML,BE-1000	4.5 CuM	22-Dec-08	576	120	333	456	123	79.2	27.0	21.4	5.46	66.0	5088	1065	3024	4024	1000	79.08	24.85	19.65	51.81			
EX-23	15805	BEML, BE-1000	4.5CuM	18-Feb-10	192	192		0	0	0.0	0.0	0.0	0.00	0.0	2352	2031	321	321	0	13.65	0.00	0.00	0.00			
EX-24	12520	BEML, BE-1600	7.5CuM	04-Aug-11	576	113	206	463	257	80.4	55.5	44.6	8.54	68.1	6128	2044	2548	4085	1537	66.65	37.62	25.07	66.87			
EX-27	1969	BEML, BE-1000-1	4.5 CuM	19-Dec-17	576	55	336	521	185	90.5	35.5	32.1	6.82	64.1	6120	1095	3149	5025	1876	82.11	37.33	30.65	62.85			
* EX 22 & 23 are being utilised at Taldih, EX-24 Engine ser					TOTAL	3072	1097	1382	1975	593	64.3	30.0	19.3	7.20	65.0	31952	8808	17261	23144	5884	72.43	25.42	18.41	39.78		
<b>DUMPER,50 TE [ 5 ]</b>																										
HPD-87	27258	BEML,210M	50T	Apr-2000	576	150	272	426	154	74.0	36.2	26.7	3.14	40.5	6128	1108	4065	5020	956	81.92	19.03	15.59	36.46			
HPD-90	16478	BEML,210M	50T	APR'05	576	18	559	559	0	97.0	0.0	0.0	0.00	0.0	6312	630	5608	5683	75	90.03	1.32	1.19	28.00			
BH-95	30736	BH-50 M	50T	6-Feb-09	576	330	166	246	80	42.7	32.5	13.9	3.04	42.0	6296	1574	3122	4722	1600	75.00	33.88	25.41	32.84			
BH-96	26170	BH-50 M	50T	20-Aug-09	576	503	59	73	14	12.7	19.2	2.4	2.64	44.1	6128	2661	2193	3467	1274	56.58	36.75	20.79	37.35			
BH-99 {@ MIQM}	9724	BH-50 M	50T	20-Feb-14	576	89	216	487	271	84.5	55.6	47.0	3.16	35.5	6352	2071	2921	4281	1360	67.40	31.77	21.41	27.53			
* BH-95, 96 & 99 are being utilised at Taldih					TOTAL	2880	1090	1272	1791	519	62.2	29.0	18.0	3.12	38.8	32880	8916	18534	23965	5431	72.88	22.66	16.52	33.22		
<b>DUMPER,60 TE [ 2 ]</b>																										
HPD-101	3770	BEML,BH-60	60 T	16-Nov-17	576	58	107	518	411	89.9	79.3	71.4	2.90	41.9	6128	724	1733	5404	3671	88.19	67.93	59.91	36.51			
HPD-102	3334	BEML,BH-60	60 T	23-Nov-17	576	82	102	494	392	85.8	79.4	68.1	2.91	47.2	6128	1253	1615	4875	3260	79.55	66.87	53.20	39.57			
					TOTAL	1152	140	209	1012	803	87.8	79.3	69.7	2.91	44.5	12256	1977	3348	10279	6931	83.87	67.43	56.55	37.95		
<b>DUMPER,100 TE [ 2 ]</b>																										
BH-97	10277	BEML,BH-100	100 T	4-Aug-11	576	139	286	437	151	75.9	34.6	26.2	2.68	50.2	5216	785	2747	4431	1684	84.95	38.00	32.29	46.40			
BH-98	8484	BEML,BH-100	100 T	04-Aug-11	576	576		0	0	0.0	0.0	0.0	0.00	0.0	5216	2738	1913	2478	565	47.51	22.80	10.83	42.36			
					TOTAL	1152	715	286	437	151	37.9	34.6	13.1	2.68	50.2	10432	3523	4660	6909	2249	66.23	32.55	21.56	45.39		
<b>DRILL [ 3 ]</b>																										
DM-7	23723	AC - IDM-30	160mm	29-Jan-98	384	232	90	152	62	39.6	40.8	16.1	15.23	38.7	4200	1025	2877	3175	298	75.60	9.39	7.10	40.40			
DM-9	9730	AC - IDM-30	160mm	30-Sep-09	384	248	136	136	0	35.4	0.0	0.0	0.00	0.0	4200	859	2992	3341	349	79.55	10.45	8.31	46.58			
DM-10	5161	AC - IDM-30	160mm	15-Jan-15	384	26	258	358	100	93.2	27.9	26.0	16.62	42.0	3920	189	3134	3731	597	95.18	16.00	15.23	40.70			
* DM-10 is being utilised at Taldih					TOTAL	1152	506	484	646	162	56.1	25.1	14.1	16.09	40.7	12320	2073	9003	10247	1244	83.17	12.14	10.10	42.28		
<b>DOZER [ 5 ]</b>																										
TR-36 (B/V)	14095	BEML,D-155A	320 HP	23-Apr-05	576	21	515	555	40	96.4	7.2	6.9		48.9	7032	3360	3498	3672	174	52.22	4.74	2.47	44.25			
TR-37	14845	BEML,D-155A	320 HP	22-Jun-07	576	253	305	323	18	56.1	5.6	3.1		55.8	7056	1486	4459	5570	1111	78.94	19.95	15.75	37.16			
TR-38	15757	BEML, D-355	410 HP	16-Feb-10	576	31	503	545	42	94.6	7.7	7.3		42.9	5064	949	3447	4115	668	81.26	16.23	13.19	36.29			
TR-39	10205	BEML, D-355	410 HP	10-Apr-12	576	37	465	539	74	93.6	13.7	12.8		37.2	6440	2012	3836	4428	592	68.76	13.37	9.19	35.47			
TR-40	9897	BEML, D-355	410 HP	6-May-14	576	45	441	531	90	92.2	16.9	15.6		34.5	8624	698	4726	7926	3200	91.91	40.37	37.11	11.20			
* TR-38 is being utilised at Taldih					TOTAL	2880	387	2229	2493	264	86.6	10.6	9.2		40.2	34840	8505	19966	26335	6369	75.59	24.18	18.28	20.42		
<b>PAY LOADER [ 2 ]</b>																										
FEL-6	9419	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	400	26	323	374	51	93.5	13.6	12.8		21.3	4760	171	4271	4589	318	96.41	6.93	6.68	24.69			
FEL-7	6563	HYUNDAI	280 HP	27-Aug-11	384	158	223	226	3	58.9	1.3	0.8		110.0	5480	1637	3687	3843	156	70.13	4.06	2.85	29.08			
					TOTAL	784	184	546	600	54	76.5	9.0	6.9		26.2	10240	1808	7958	8432	474	82.34	5.62	4.63	26.13		
<b>MOTOR GRADER [ 1 ]</b>																										
MG-6	7247	BEML BG 825	280HP	14-Sep-02	384	17	322	367	45	95.6	12.3	11.7		31.7	3896	823	2611	3073	462	78.88	15.03	11.86	19.53			
<b>WATER SPRINKLER [ 1 ]</b>																										
WS-91	14355	HIM / WS-28	28KL	Nov-06	576	576		0	0	0.0	0.0	0.0		0.0	5472	3001	2455	2471	16	45.16	0.65	0.29	48.75			
WS-100	3966	BEML / WS-28-2	28KL	29-Apr-15	576	31	375	545	170	94.6	31.2	29.5		21.0	5456	356	4141	5100	959	93.48	18.80	17.58	21.38			
					TOTAL	1152	607	375	545	170	47.3	31.2	14.8		21.0	10928	3357	6596	7571	975	69.28	12.88	8.92	21.83		
<b>Back Hoe</b>																										

**GUA ORE MINES**

EQUIPMENTS	UTILIS. UPTO Feb'19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	FEBRUARY 2019										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						
<b>EXCAVATORS[4]</b>																														
> 4.5 CuM					D-12	10821	BE 1600	7.5 CuM	16-Feb-11	672	337	190	335	145	49.85	43.28	21.58	3.89	59.8	7992	2131	4002	5861	1859	73.3	31.7	23.3	4.3	53.10	
					D-12A	18064	BE 1000(D)	4.5 CuM	27-Apr-08	672	672									7992	7961	21	31	10	0.4	32.3	0.1	6.4	60.00	
					D-14	24822	KOMATSU	9.5 CuM	06-Apr-12	672	103	120	569	449	84.67	78.91	66.82	4.92	82.6	7992	2103	2625	5889	3264	73.7	55.4	40.8	4.5	79.28	
					D-15	19061	KOMATSU	9.5 CuM	31-Aug-15	672	126	313	546	233	81.25	42.67	34.67	6.33	77.0	7992	1318	2391	6674	4283	83.5	64.2	53.6	6.4	80.05	
									TOTAL	2688	1238	623	1450	827	53.94	57.03	30.77	5.14	77.1	31968	13513	9039	18455	9416	57.7	51.0	29.5	5.4	74.45	
<b>DUMPER,100 TE[6]</b>																														
					R/D-88	23684	KOMAT.HD785-7	100 T	10-Sep-10	672	672									7992	7187	157	805	648	10.1	80.5	8.1	2.8	57.58	
					R/D-89	27603	KOMAT.HD785-7	100 T	10-Sep-10	672	80	90	592	502	88.10	84.80	74.70	2.17	49.2	7992	1549	1280	6443	5163	80.6	80.1	64.6	2.6	49.13	
					R/D-90	18166	CAT 777D	100 T	25-Jan-12	672	672									7992	4440	1763	3552	1789	44.4	50.4	22.4	3.1	47.15	
					R/D-91	15384	CAT 777D	100 T	25-Jan-12	672	73	197	599	402	89.14	67.11	59.82	3.26	54.3	7992	2179	2407	5813	3406	72.7	58.6	42.6	3.5	48.35	
					R/D-92	10775	BEMIL - BH 100	100 T	27-May-15	672	142	142	530	388	78.87	73.21	57.74	2.37	49.2	7992	3521	1798	4471	2673	55.9	59.8	33.4	2.3	50.75	
					R/D-93	9665	BEMIL - BH 100	100 T	10-Jun-15	672	63	289	609	320	90.63	52.55	47.62	2.90	52.4	7992	2130	1961	5862	3901	73.3	66.5	48.8	2.9	53.48	
									TOTAL	4032	1702	718	2330	1612	57.79	69.18	39.98	2.64	51.1	47952	21006	9366	26946	17580	56.2	65.2	36.7	2.9	50.30	
<b>DRILL[4]</b>																														
					DM-10	16178	IR-ROTACOL-IDM-30	160mm	Feb-04	448	167	143	281	138	62.72	49.11	30.80	14.72	40.0	5328	2221	2073	3107	1034	58.3	33.3	19.4	12.4	39.36	
					DM-12A	8456	AC-ROTACOL-IDM-30	160mm	Sep-08	448	448									5328	3001	1183	2327	1144	43.7	49.2	21.5	13.7	34.89	
					DM-14	14156	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	448	106	164	342	178	76.34	52.05	39.73	9.21	33.1	5328	4309	445	1019	574	19.1	56.3	10.8	9.8	29.19	
					DM-15	6667	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	448	284	67	164	97	36.61	59.15	21.65	20.08	44.3	5328	2186	1636	3142	1506	59.0	47.9	28.3	14.1	39.90	
									TOTAL	1792	1005	374	787	413	43.92	52.48	23.05	13.61	38.1	21312	11717	5337	9595	4258	45.0	44.4	20.0	13.0	36.98	
<b>DOZER[5]</b>																														
					DOZ-21	17420	BEMIL D-355	410 HP	May- 03	448	304	79	144	65	32.14	45.14	14.51			5328	3900	311	1428	1118	26.8	78.3	21.0		28.86	
					DOZ-22	16128	BEMIL D-355	410 HP	Feb-04	448	398	5	50	45	11.16	90.00	10.04			40.6	5328	5278	5	50	45	0.9	90.0	0.8		40.56
					DOZ-23	15138	BEMIL D-355	410 HP	May-08	448	103	181	345	164	77.01	47.54	36.61			30.9	5328	2772	1343	2556	1213	48.0	47.5	22.8		29.76
					DOZ-24	13377	BEMIL D-355	410 HP	Sep-08	448	154	34	294	260	65.63	88.44	58.04			54.2	5328	1324	403	4004	3601	75.2	89.9	67.6		38.61
					DOZ-25	8668	BEMIL D-355	410 HP	25-Apr-14	448	443	4	5	1	1.12	20.00	0.22			100.0	5328	4359	504	969	466	18.2	48.0	8.7		42.14
					DOZ-26	8458	BEMIL D-355	410 HP	08-Sept-17	448	74	146	374	228	83.48	60.96	50.89			39.4	5328	918	1283	4410	3127	82.8	70.9	58.7		35.16
									TOTAL	2688	1476	449	1212	763	45.09	62.95	28.39			31968	18551	3848	13417	9569	42.0	71.3	29.9		35.40	
<b>PAY LOADER[2]</b>																														
					PL-7	12637	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	672	219	281	453	172	67.41	37.97	25.60			16.4	7992	1892	3156	6100	2944	76.3	48.3	36.8	0.0	14.23
					PL-8	4769	Hyundai-HI770-7A	280 HP	01-Jun-10	672	672									7992	7992									
									TOTAL	1344	891	281	453	172	33.71	37.97	12.80			16.4	15984	9884	3156	6100	2944	38.2	48.3	18.4	0.0	14.23
<b>Back Hoe [2]</b>																														
					BACK HOE-02	7965	BEMLBE-300LC	1.2 CU.M	May-09	672	672									7992	5318	1472	2674	1202	33.5	45.0	15.0		14.53	
					BACK HOE-03	3837	BEMLBE-300LC	1.25 CU.M	25-Sep-13	672	388	27	284	257	42.26	90.49	38.24			12.6	7248	2786	625	4462	3837	61.6	86.0	52.9		14.30
									TOTAL	1344	1060	27	284	257	21.13	90.49	19.12			12.6	15240	8104	2097	7136	5039	46.8	70.6	33.1		14.35
<b>Water Sprinkler [2]</b>																														
					WT-5	15078	WS-28	28 KL	May-05	448	35	290	413	123	92.19	29.78	27.46			11.3	5576	2548	2239	3028	789	54.3	26.1	14.1		13.30
					WT-6	5719	BEML,WS 28-2	28 KL	Jan-09	448	45	244	403	159	89.96	39.45	35.49			15.6	5576	1472	2865	4104	1239	73.6	30.2	22.2		13.92
									TOTAL	896	80	534	816	282	91.07	34.56	31.47			13.7	11152	4020	5104	7132	2028	64.0	28.4	18.2		13.68
<b>Motor Grader [2]</b>																														
					MG-6	4050	BG 605	280HP	May-08	448	448									5328	2515	2072	2813	741	52.8	26.3	13.9		5.50	
					MG-7	624	BG 825		10-May-14	448	37	324	411	87	91.74	21.17	19.42			14.0	5328	2293	2411	3035	624	57.				

EQUIPMENT AVAILABILITY & UTILISATION

Feb-19

UNIT IN %

EQPMT TYPE	KIRIBURU								MEGHAHATUBURU								BOLANI								BARSUA								GUA							
	NORM		MTH		2018-19		MTH		2018-19		MTH		2018-19		MTH		2018-19		MTH		2018-19		MTH		2018-19		MTH		2018-19											
	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT												
DRILL	150 mm	70	70	51	41	49	42	70	66	56	72	73	29	69	38	56	25	83	12	44	52	45	44																	
SHOVEL	HYD(D) <4.6 m <sup>3</sup>	70	75					45	42	35	26	40	8	59	9	78	23	75	25																					
	HYD(D) >4.6 m <sup>3</sup>	85	80	98	50	95	50	64	61	69	61	80	35	77	37	42	53	68	27	54	57	58	51																	
DUMPER	85/ 60 tn	65	75																	88	79	84	67																	
	50 tn	70	80											99	5	59	6	62	29	73	23							20	4											
	100 tn	85	80	50	52	67	43	56	55	57	53	53	42	62	35	88	79	84	67	58	69	56	65																	
DOZER		70	70	45	51	50	36	44	43	50	40	72	35	69	31	87	11	76	24	45	63	42	71																	
CRUSHING PLANT		85	85					93	69	94	61	94	53	80	53																									
SCREENING PLANT		85	85					84	72	83	63	98	64	91	63																									
OHP		85	85	90	71	92	70													96	57	96	55	97	86	95	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
<b>2018-19</b>	<b>1787283</b>	<b>433391</b>	<b>2220674</b>	<b>376383</b>	<b>28863568</b>	<b>72476</b>	<b>3346210</b>	<b>206000</b>	<b>890100</b>	<b>291644</b>	<b>0.08</b>	<b>0.51</b>	<b>6.50</b>	<b>16.62</b>
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	2780720	7770	360270		81450		0.09	0.42	6.30	17.59
Dec'18	162740	41582	204322	38100	3036760	7686	285960	42000	57240	58000	0.09	0.55	7.88	20.87
Jan'19	161053	36280	197333	30391	3152160	6510	279910	26000	144180	60000	0.06	0.44	7.00	14.61
Feb'19	153531	23433	176964	28853	2815520	6090	280440	27000	83520	48000	0.07	0.47	7.20	15.91

### 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	
<b>2018-19</b>	<b>2319094</b>	<b>96980</b>	<b>2416074</b>	<b>514072</b>	<b>16699751</b>	<b>106833</b>	<b>3361570</b>	<b>155000</b>	<b>2364800</b>	<b>300000</b>	<b>0.08</b>	<b>0.41</b>	<b>2.84</b>	<b>18.29</b>	
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	9254	358180	20000	145100	0	0.11	0.49	2.74	18.21	
Nov'18	201434	5740	207174	38884	1471200	11088	335330	1000	156600	0	0.08	0.42	2.98	22.53	
Dec'18	202000	9830	211830	39766	1516031	5656	292210	20000	252000	0	0.07	0.39	2.69	10.30	
Jan'19	213000	11610	224610	40252	1710000	9221	309150	22500	281500	0	0.07	0.38	2.79	15.46	
Feb'19	202500	10080	212580	51701	1347240	12796	303660	22500	256800		0.09	0.38	2.31	22.69	

## 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
<b>2018-19</b>	<b>2272606</b>	<b>915651</b>	<b>17914560</b>	<b>102808</b>	<b>3534303</b>	<b>0</b>	<b>1490889</b>	<b>1271805</b>	<b>1496897</b>	<b>0.12</b>	<b>0.41</b>	<b>2.84</b>	<b>18.51</b>
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	376808	0	122559	100940	161101	0.12	0.39	2.58	15.32
Dec'18	220023	102404	1530240	9562	353700	0	145020	87390	220743	0.13	0.41	2.61	17.96
Jan'19	210357	95155	1600800	8204	238320	0	167409	201150	112503	0.13	0.41	2.64	16.10
Feb'19	194150	97276	1640880	6510	347675		162756	83345	68614	0.15	0.40	2.76	13.32

### 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
<b>2018-19</b>	<b>1316600</b>	<b>86653</b>	<b>1403253</b>	<b>139391</b>	<b>10618291</b>	<b>29451</b>	<b>1730322</b>	<b>442908</b>	<b>336646</b>	<b>0</b>	<b>65340</b>	<b>0.05</b>	<b>0.63</b>	<b>4.98</b>	<b>13.81</b>
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	5.99	11.73
Oct'18	135230	7359	142589	10756	763557	2408	211921	22324	35580	0	0	0.04	0.56	3.09	9.73
Nov'18	150135	9830	159965	14725	561273	2458	201574		46300			0.06	0.65	2.26	9.92
Dec'18	147598	7494	155092	22269	1177953	2240	188861		50070			0.09	0.65	4.93	9.38
Jan'19	139411	18740	158151	16112	1418109	3360	187484		45456			0.07	0.68	6.09	14.42
Feb'19	177516	39510	217026	12998	1062177	6930	196311		43395			0.05	0.91	4.43	28.91

**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
<b>2018-19</b>	<b>2837847</b>	<b>0</b>	<b>2837847</b>	<b>378102</b>	<b>17230200</b>	<b>102848</b>	<b>2997215</b>	<b>363065</b>	<b>1267940</b>	<b>762619</b>	<b>0.08</b>	<b>0.62</b>	<b>3.72</b>	<b>22.62</b>
<b>April'18</b>	276728	0	276728	31287	1431744	8862	338418	2582	127530	63773	0.06	0.57	3.06	18.37
<b>May'18</b>	270020	0	270020	50813	1615872	10430	334185	6915	158150	72018	0.09	0.53	3.24	20.37
<b>June'18</b>	258325	0	258325	32679	1600272	12744	257871	67439	81180	24963	0.09	0.71	3.94	35.19
<b>July'18</b>	260075	0	260075	32775	1517400	7182	294142	28508	104580	59553	0.07	0.62	3.55	17.07
<b>August'18</b>	243950	0	243950	20649	1588464	6762	276580	23480	110430	79560	0.04	0.59	3.87	16.38
<b>Sept'18</b>	247084		247084	29206	1576512	8848	252649	49441	112680	73128	0.07	0.62	3.80	22.35
<b>Oct'18</b>	258205	0	258205	37420	1630224	10248	259430	35091	118350	72229	0.08	0.64	3.95	25.33
<b>Nov'18</b>	252101		252101	29791	1648872	7658	183324	46536	166950	90543	0.07	0.66	4.16	19.91
<b>Dec'18</b>	288806		288806	39257	1788480	7364	254510	56080	94500	91215	0.09	0.75	4.42	19.09
<b>Jan'19</b>	231152		231152	36960	1401912	11326	264407	46993	92880	107070	0.08	0.58	3.47	28.62
<b>Feb'19</b>	251401		251401	37265	1430448	11424	281700	0	100710	28567	0.09	0.65	3.74	29.33

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL										
MINE	GRANTED	VALID	AREA	RENEWAL	FOREST CLEARANCE (FC)				Status as on Feb' 2019	
					ON	UPTO	(in ha.)	APPL.DATE	ENVIRONMENTAL CLEARANCE (EC)	
<b>KBR-MBR</b>										
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 queries 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 GoJ 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, Gol on 08.11.2018. Grant of Stage-II FC is awaited from MoEFCC, New Delhi.	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				
<b>BOLANI</b>										
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 S2 scheme has been approved by RCCF, Baripada on 30.10.18. Another proposal related to revised CA schemes for 169.72 ha & 5.18 ha were approved by APCCF (NO) on 23.10.18 and after the issuance of demand, online payment of Rs. 1492600 portal was done in MoEFCC on 29.10.18. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 & payment done. Stage-I FC compliance report & recommendation for grant of Stage-II FC has been forwarded to MoEFCC, New Delhi by APCCF (N) on 03.01.2019. A meeting was held with AIG (Forest), MoEF&CC, New Delhi on 19.02.2019 for early grant of Stage-II FC's of Sabik Forest land involved in Bolani Ores Mines. Stage-II FC awaited from MoEF&CC, New Delhi.	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)	MoEF&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are approved on 27.10.2018 and in line with the demand letter received from DFO, Rs 16.35 Crore was paid. After complete compliance of Stage-I FC conditions, status report was submitted to DFO, Keonjhar on 29.12.2018 for onward submission for grant of Stage-II FC. However, due to change in labour wage rate, all the schemes have been revised and approved by the State Forest Department and directed to deposit the differential amounts. Differential amount of Rs. 2.9 Crores has been paid on 20.02.2019. The revised compliance report was submitted to DFO, Keonjhar on 23.02.2019 & requested for early forwarding the compliance report to State Govt. for grant of Stage-II FC.. In addition to that, Stage-I FC for 124.313 ha Sabik FL was obtained on 12.09.2017. 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. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 & payment done. Stage-I FC compliance report & recommendation for grant of Stage-II FC has been forwarded to MoEFCC, New Delhi by APCCF (N) on 03.01.2019. A meeting was held with AIG (Forest), MoEF&CC, New Delhi on 19.02.2019 for early grant of Stage-II FC's of Sabik Forest land involved in Bolani Ores Mines. Stage-II FC awaited from MoEF&CC, New Delhi.	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.				
<b>BARSUA-KALTA</b>										
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 under this lease.				
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process. The matter of identification of CA land was discussed with forest nodal office on 25.10.2018 meeting. CA land over an area of 33.022 ha has been identified & map has been submitted to DFO, Rourkela for preparation of scheme.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR.				
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress	Non-working lease. Obtaining EC is under progress.				

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

						Status as on Feb' 2019
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	( in ha.)	APPL.DATE		
<b>BHAWANATHPUR</b>						
GORGON	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 by MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. IBM vide letter dated 19.07.2018 pointed out some observations. The observations 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 period upto 31.03.2020. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18.SAIL official met IBM official, Ranchi on 15.02.19 and FMCP wherein IBM directed to submit the Geological Report of three leases for further processing of FMCP's. Geological Reports of three leases were submitted to IBM on 25.02.19 for grant of FMCP.	
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)		
PURNAPANI	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
<b>KUTESHWAR</b>						
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 17.08.2016 for 0.06 MTPA production submitted on 06.01.2016. CTE for 0.06 MTPA production granted on 10.02.2017 and 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 02.09.2016 for 2.32 MTPA expansion. CTO for 2.32 MTPA expansion granted by MPPCB on 23.02.2017. 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 TPA limestone and 60,000 TPA Limestone renewed by JSPCB on 28.03.17 for the period upto 31.03.2020. In compliance to MoEFCC EAC application dated 06.04.2018, ToR application under EIA Notification, 2006 has been submitted in March 2019. The proposal was considered during EAC meeting held on 23.01.2019 and minutes of meeting dated 23.01.2019. It was opined that the EC for the mine granted during March, 1995 may not be in accordance with EIA Notification, 1994 since it was not mentioned in the EC grant order and Ministry may have issued the order on violation. In response to that, a representation was submitted to MoEFCC on 23.01.2019 against the proposal.

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

MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	Status as on Feb' 2019	
						ON	UPTO (in ha)
<b>GUA</b>							
Durgaiburu	22.02.49	21.02.79	1443.76	08.02.08 (2nd RML)	Stage-II FC for existing broken area of 274.691 ha has been granted by MoEF on 22.08.2014. Stage-I FC granted for 361.295 ha on 04.03.2014 in addition to 274.691 ha. Stage- I compliance report wa 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, Gol on 19.11.2018. Grant of Stage-II FC is awaited from MoEFCC, New Delhi.	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.	
Jhilingburu - I	12.05.50	11.05.80	210.526	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land indentification is under progress.	ToR for conduting EIA study for production of 61,362 TPA Manganese Ore was granted by MoEF &CC on 04.03.2015. Final EIA/EMP report was submitted online on 04.01.2017 for EAC meeting & grant of EC. MoEF&CC on 13.11.17sought additional details and directed to apply online as per notification dated 14.03.17. The reply of the ADS was submitted & as per the provisions of notification dated 14.03.17, the ToR proposal was submitted online on 02.12.17. Again vide notification dated 16.03.2018, MoEFCC directed for re-submission of the ToR proposal. Proposal was re-submitted to MoEFCC online on 4.4.18 for issue of TOR and requested to consider the proposal as a special case as Public hearing already held and final EIA submitted. EAC meeting held on 29.08.2018. ADS asked on 13.09.2018 which is under compliance.	
Jhilingburu - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC for 30.43 ha of forest land was granted on 29.01.2013. Stage-I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi for grant of Stage-II FC. The query raised by MoEFCC, Ranchi pertaining to CA levies information/record was submitted by Dy. Secy. (F,E&CC Dept.), GoJ to DCF (Central), MoEFCC, Ranchi on 16.01.2018 for further necessary action. MoEF&CC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.	EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.	
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-I FC compliance submitted to DFO, Saranda on 05.03.2016 and was forwarded to RO, MoEFCC, Ranchi on 03.11.16 for grant of Stage-II FC. MoEFCC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.	EC granted by SEIAA vide letter no. EC/SEIAA/2015-16/2015/1291 dated 17.08.2015.	
<b>CHIRIA</b>							
Budhaburu (McLellan)	08.12.45	31.03.20	823.617	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,&E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18.DFO, Saranda submitted the information to CF, Chaibasa on 22.01.19. CF forwarded to RCCF on 12.02.19. RCCF vide letter dated 22.02.19 forwarded to PCCF (Nodal) on 25.02.19.	EC has been granted by MoEF&CC vide letter no - J-11015/249/2009-IA.II (M) dated 23.03.2011 for enhancement of production capacity to 4.2 MTPA.	
Ajitaburu	07.12.47	06.12.77	323.887	04.12.06 (2nd RML)		EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA.	
Sukri - Latur	22.03.49	21.03.79	609.554	11.03.08 (2nd RML)		EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 10.06.2013 for production capacity to 0.75 MTPA.	
Dhobil	08.03.48	07.03.38	513.036	06.03.97 (2nd RML)	Forestry clearance is deemed to be exist upto 2038.	EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 24.01.2012 and amended dated 01.05.12 for production capacity to 0.75 MTPA. The amendment of EC for continuation of ore transportation by road for 5 more years beyond June, 2017 was granted on 19.04.17. Consent to Operate for 0.75 MTPA has been renewed by 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 01.03.2019**

	<b>Executives</b>	<b>Non-Executives</b>	<b>Total</b>
<b>A. Ore Mines</b>			
Kiriburu	88	528	616
Meghatuburu	68	477	545
Bolani	91	404	495
Barsua	62	288	350
Kalta	20	60	80
Gua	61	506	567
Chiria	18	53	71
<b>A. Total</b>	<b>408</b>	<b>2316</b>	<b>2724</b>
<b>B. Flux Mines</b>			
Purnapani	0	9	9
Kuteshwar	23	92	115
BNP & TDMR	12	62	74
<b>B. Total</b>	<b>35</b>	<b>163</b>	<b>198</b>
<b>C. Offices</b>			
Kolkata	64	30	94
Rourkela	13	15	28
Bokaro	2	3	5
Durgapur	0	4	4
Delhi	3	2	5
Bhubaneswar	1	2	3
Ranchi	2	2	4
Burnpur	0	1	1
MT	18	0	18
<b>C. Total</b>	<b>103</b>	<b>59</b>	<b>162</b>
<b>Grand Total (A+B+C)</b>	<b>546</b>	<b>2538</b>	<b>3084</b>
Manpower as on 01.02.2019	550	2553	3103
Reduction(-)/Increase(+)	-4	-15	-19

# 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	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

1.0 Manhours worked :- R- 594499, C-833865

2.0 PME	1	Regular	08
	2	Contractual	112

3.0 Reportable & Near miss- Nil

4.0 Pit Safety Committee Meeting -- YES

Safety Inspection done:- YES

- 1. Mines YES
- 2. Statutory Register YES
- 3. Canteen & VT Centre YES

## 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					
	<b>NIL</b>	<b>NIL</b>	NIL	<b>NIL</b>	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	<b>42</b>	<b>10</b>	<b>06</b>	<b>04</b>
2.	Shop DSOs				
3.	Apex Committee / ISO	<b>05</b>			
4.	Other schedule/ joint inspections [Housekeeping, Crane, Cable Galleries etc.]				
5.	Any other (Safety Week Inspection at Gua & Kalta)				

### 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	17	151		
2	Basic Training	10	120		
3	Skill Development Training	09	185		

(B) Regular Trainings

Safety Talk	Induction Training	On –the-job/ Refresher Training
-------------	--------------------	---------------------------------

### 2.1.4 Safety Monitoring &Review:

Sl. No.	Item	Quantum	Title
1.	Protocols prepared	Nil	
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	Nil	
6.	Any Other	Nil	

### 2.1.5 Special Drives & Campaigns

Sl No.	Items	Observations	Remarks
1.	Checking of heavy vehicles	Yes	
2.	Crash helmets	Yes	
3.	Personal Protective appliances	Yes	
4.	Roko-Toko	Yes	
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)	09	All Mines
4.	Any other (DMS Inspection)		

### 2.1.7 Events: (Other than routine)

Sl. No.	Events	Description
1.	National Safety Day related activities	
2.	Safety exhibitions & Mela	
3.	Interactions with Statutory bodies	
4.	Participation in external seminars/ papers presented	
5.	Accident free departments/ shops	
6.	Special interactions with Head of Works/ Safety	

### IRON ORE STOCK INVENTORY BEHAVIOUR

February 2019

#### IRON ORE LUMP

UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.02.2019	MTH	CUM	MTH	CUM	01.03.2019	MTH	YR
BSL	28	34	179	2137	200	2176	20	-14	-8
DSP	11	21	98	1272	114	1279	4	-17	-7
RSP	11	27	214	2199	167	2034	22	-5	11
ISP	5	23	124	1062	103	894	28	5	23
BSP	256	16			236	2624	113	97	-143
<b>TOT</b>	<b>311</b>	<b>121</b>	<b>615</b>	<b>6670</b>	<b>820</b>	<b>9007</b>	<b>187</b>	<b>66</b>	<b>-124</b>

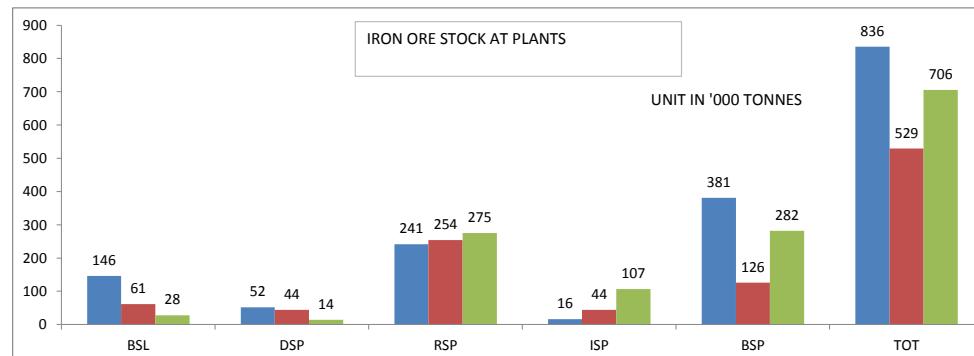
#### IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.02.2019	MTH	CUM	MTH	CUM	01.03.2019	MTH	YR
BSL	118	27	347	3789	368	4160	8	-19	-110
DSP	41	23	147	2361	161	2394	10	-13	-31
RSP	230	227	347	3708	366	4228	253	26	23
ISP	11	21	272	2514	268	2658	79	58	68
BSP	125	110	18	76	327	3966	169	59	44
<b>TOT</b>	<b>525</b>	<b>408</b>	<b>1131</b>	<b>12448</b>	<b>1490</b>	<b>17406</b>	<b>519</b>	<b>111</b>	<b>-6</b>

#### IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.02.2019	MTH	CUM	MTH	CUM	01.03.2019	MTH	YR
BSL	146	61	526	5926	568	6336	28	-33	-118
DSP	52	44	245	3633	275	3673	14	-30	-38
RSP	241	254	561	5907	533	6262	275	21	34
ISP	16	44	396	3576	371	3552	107	63	91
BSP	381	126	18	76	563	6590	282	156	-99
<b>TOT</b>	<b>836</b>	<b>529</b>	<b>1746</b>	<b>19118</b>	<b>2310</b>	<b>26413</b>	<b>706</b>	<b>177</b>	<b>-130</b>

\* BSP RECEIPT FROM RMD MINES



# PRODUCTION PERFORMANCE

February 2019

## हॉट मेटल

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	348	349	100	4268	3826	90	3687	4
दूर्गापूर	212	193	91	2405	2297	96	2054	12
रात्रकेला	297	318	107	3669	3492	95	3007	16
बर्नपूर	215	216	100	2470	1967	80	1876	5
<b>पूर्वी इस्पात संयंत्र</b>	<b>1072</b>	<b>1076</b>	<b>100</b>	<b>12812</b>	<b>11582</b>	<b>90</b>	<b>10624</b>	<b>9</b>
भिलाई	590	391	66	5796	4264	74	3880	10
<b>TOTAL</b>	<b>1662</b>	<b>1467</b>	<b>88</b>	<b>18608</b>	<b>15846</b>	<b>85</b>	<b>14504</b>	<b>9</b>

## सिन्टर

UNIT 000 TONNES

संयंत्र	FOR THE MONTH			CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF	TGT	ACT	%FF		
बोकारो	522	493	94	5036	5354	106	5122	5
दूर्गापूर	265	263	99	3006	3058	102	2838	8
रात्रकेला	460	533	116	5679	5759	101	4735	22
बर्नपूर	312	318	102	3568	2979	83	3015	-1
<b>पूर्वी इस्पात संयंत्र</b>	<b>1559</b>	<b>1607</b>	<b>103</b>	<b>17289</b>	<b>17150</b>	<b>99</b>	<b>15710</b>	<b>9</b>
भिलाई	779	579	74	8511	6214	73	5845	6
<b>TOTAL</b>	<b>2338</b>	<b>2186</b>	<b>93</b>	<b>25800</b>	<b>23364</b>	<b>91</b>	<b>21555</b>	<b>8</b>

**IRON ORE RECEIPTS FOR THE MONTH OF February 2019**

***FIGS IN '000 T***

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL		53	33	61			2		30		179
DSP			85				13				98
RSP	88	34		7		77	4		4		213
ISP			47				66		11		124
BSP											
TOT	88	87	165	68		77	84		45		614

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	106	54	27	127		6	9		18		348
DSP		24	91				32				148
RSP	109	158		4		76					347
ISP		12	133				117		10		272
BSP	18										18
TOT	234	248	252	131		82	158		28		1133

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	106	106	60	188		6	11		48		527
DSP		24	176				45				245
RSP	197	192		11		153	4		4		560
ISP		12	181				183		21		396
BSP	18										18
TOT	322	335	417	199		159	242		73		1747

**IRON ORE RECEIPTS TILL THE MONTH OF February 2019**

***FIGS IN '000 T***

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	300	358	620	226	37	317	35		244		2137
DSP		7	929				336				1272
RSP	621	563		271	141	501	4		92	6	2199
ISP		3	392				622		45		1062
BSP											
TOT	921	931	1941	497	178	818	997		381	6	6670

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	977	910	567	791	98	129	102		215		3789
DSP		125	1471				765				2361
RSP	1581	1293		188		590			56		3708
ISP	3	160	984				1325		42		2514
BSP	68	8									76
TOT	2629	2496	3022	979	98	719	2192		313		12448

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	1277	1268	1187	1017	135	446	137		459		5926
DSP		132	2400				1101				3633
RSP	2202	1856		459	141	1091	4		148	6	5907
ISP	3	163	1376				1947		87		3576
BSP	68	8									76
TOT	3550	3427	4963	1476	276	1537	3189		694	6	19118

### 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	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>
KRBU(N/B) (FOS)	371	<b>666.60</b>	409	<b>747.70</b>	94	<b>203.50</b>	377	<b>706.90</b>	539	<b>951.20</b>
KRBU(O/B) (SOBK)	371	<b>666.60</b>	409	<b>747.70</b>	94	<b>203.50</b>	377	<b>706.90</b>	539	<b>951.20</b>
MBR (SSMK)	371	<b>666.60</b>	409	<b>747.70</b>	94	<b>203.50</b>	377	<b>706.90</b>	539	<b>951.20</b>
BOLANI (BYFS)	272	<b>508.70</b>	318	<b>587.20</b>	227	<b>467.80</b>	286	<b>549.10</b>	673	<b>1193.30</b>
BARSUA (PBSB)	342	<b>626.90</b>	390	<b>706.90</b>	73	<b>203.50</b>	356	<b>666.60</b>	519	<b>951.20</b>
ROXY (HLSR)	332	<b>626.90</b>	379	<b>706.90</b>	63	<b>203.50</b>	346	<b>626.90</b>	509	<b>951.20</b>
GUA (ISCG)	265	<b>508.70</b>	311	<b>587.20</b>	220	<b>426.80</b>	279	<b>549.10</b>	665	<b>1193.30</b>
MANOHARPUR (IISM)	241	<b>467.60</b>	287	<b>549.10</b>	37	<b>203.50</b>	255	<b>508.70</b>	483	<b>869.20</b>
DALLIRAJHARA (DRZ)	827	<b>1433.00</b>	871	<b>1512.10</b>	537	<b>951.20</b>	832	<b>1433.00</b>	83	<b>203.50</b>

	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	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>
BHAWANATHPUR (PSBS)	369	<b>585.80</b>	491	<b>763.80</b>	563	<b>907.30</b>	459	<b>727.40</b>	909	<b>1398.20</b>
KHANABANJARI (KHBJ)	712	<b>1119.70</b>	834	<b>1259.30</b>	680	<b>1048.70</b>	802	<b>1259.30</b>	496	<b>763.80</b>

### 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	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>
KRBU(N/B) (FOS)	371	<b>805</b>	409	<b>903</b>	94	<b>246</b>	377	<b>854</b>	539	<b>1149</b>
KRBU(O/B) (SOBK)	371	<b>805</b>	409	<b>903</b>	94	<b>246</b>	377	<b>854</b>	539	<b>1149</b>
MBR (SSMK)	371	<b>805</b>	409	<b>903</b>	94	<b>246</b>	377	<b>854</b>	539	<b>1149</b>
BOLANI (BYFS)	272	<b>614</b>	318	<b>709</b>	227	<b>565</b>	286	<b>663</b>	673	<b>1441</b>
BARSUA (PBSB)	342	<b>757</b>	390	<b>854</b>	73	<b>246</b>	356	<b>805</b>	519	<b>1149</b>
ROXY (HLSR)	332	<b>757</b>	379	<b>854</b>	63	<b>246</b>	346	<b>757</b>	509	<b>1149</b>
GUA (ISCG)	265	<b>614</b>	311	<b>709</b>	220	<b>515</b>	279	<b>663</b>	665	<b>1441</b>
MANOHARPUR (IISM)	241	<b>565</b>	287	<b>663</b>	37	<b>246</b>	255	<b>614</b>	483	<b>1050</b>
DALLIRAJHARA (DRZ)	827	<b>1730</b>	871	<b>1826</b>	537	<b>1149</b>	832	<b>1730</b>	83	<b>246</b>

	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	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>	Km	<u>Nov-18</u>
BHAWANATHPUR (PSBS)	369	<b>707</b>	491	<b>922</b>	563	<b>1096</b>	459	<b>878</b>	909	<b>1688</b>
KHANABANJARI (KHBJ)	712	<b>1352</b>	834	<b>1521</b>	680	<b>1266</b>	802	<b>1521</b>	496	<b>922</b>