

# November-2019



PPC  
RMD KOLKATA

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# *Performance Highlights*

November-2019

## **Others**

- Kiriburu- Meghahatuburu lease amalgamation was granted by Government of Jharkhand and Lease Deed executed on 25<sup>th</sup> Oct 2019.
- Stage II Forestry Clearance for 87.09 ha Sabik Forest granted on 6<sup>th</sup> Nov 2019.
- Duarguiburu lease of Gua was granted by Government of Jharkhand and Lease Deed executed on 24<sup>th</sup> Sept 2019 and registration done on 30<sup>th</sup> Sept 2019.
- Topailore Lease Stage II FC (final Approval) has been accorded by Ministry on 04.10.2019.
- Topailore Lease period has been extended up to 08.03.2040 by Government of Jharkhand on 23<sup>rd</sup> Oct 2019
- Jhillingburu-II Lease period has been extended up to 11.05.2020 by Government of Jharkhand on 30<sup>th</sup> Oct 2019

# *Performance Highlights*

November-2019

## **Production & Despatch**

- RMD mines achieved highest monthly production: 20.59 lakh T (Previous best March'19: 20.53 lakh T) since inception.
- All time high daily production on 30/11/19: 86408 T (Previous best 80822T on 28/02/19) since inception.
- Taldih Iron Mines achieved best ever production: 1.34 Lakh T (Previous best Oct'19: 0.89 lakh T)
- Bolani and Kalta achieved best ever monthly production in any month of November since inception.
- Monthly despatch: 18.78 lakh T in any month of November since inception.
- RMD Mines achieved best ever despatch (529 rakes) in any month of November since inception.
- Taldih Iron Mines achieved best ever despatch: 1.19 Lakh T (Previous best Sept'19: 0.92 lakh T).
- Kalta Iron Mines achieved best ever monthly Despatch (1.67Lakh T) in any month of November since inception.
- Kuteshwar Limestone Mines achieved best ever despatch (30 rakes) in any month of November since inception.

## Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF - Nov- 19					19-20 TILL THE MONTH OF Nov- 19				
	CBT	ACT	%FF	Nov- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	98	83	85	95	-13	916	756	83	713	6
MEGHATUBURU	87	80	92	86	-7	894	731	82	667	10
BOLANI	145	129	89	141	-9	1220	1057	87	1039	2
BARSUA	50	44	88	55	-20	370	318	86	272	17
TALDIH	25	36	144	0		185	157	85	82	91
KALTA	55	46	84	41	12	410	245	60	286	-14
GUA	95	93	98	77	21	790	706	89	707	0
CHIRIA	15	18	120	21	-14	135	131	97	121	8
RMD TOTAL	570	529	93	516	3	4920	4101	83	3887	6

PLANTS	COMM	FOR THE MONTH OF - Nov- 19					19-20 TILL THE MONTH OF Nov- 19				
		CBT	ACT	%FF	Nov- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		49.3		47.3	4		467.1	0.0	419.3	11
	FINES		87.7		90.7	-3		771.9	0.0	760.7	1
	TOTAL	180	137.0	76	138.0	-1	1512	1239.0	82	1180.0	5
DSP	LUMP		36.8		33.1	11		267.2	0	271.4	-2
	FINES		62.2		68.9	-10		466.8	0	547.6	-15
	TOTAL	105	99.0	94	102.0	-3	858	734.0	86	819.0	-10
RSP	LUMP		61.0		59.0	3		441.7	0	430.8	3
	FINES		83.0		120.0	-31		706.3	0	735.2	-4
	TOTAL	140	144.0	103	179.0	-20	1243	1148.0	92	1166.0	-2
ISP	LUMP		31.1		19.7	58		204.7	0	199.0	3
	FINES		84.9		76.3	11		609.3	0	507.0	20
	TOTAL	120	116.0	97	96.0	21	1077	814.0	76	706.0	15
BSP	LUMP		0.00		0			0		0	
	FINES		33.0		1.0	3200		166.0	0	16.0	938
	TOTAL	25	33.0	132	1.0	3200	230	166.0	72	16.0	938
SAIL TOTAL	LUMP		178.2		159.1	12	0	1380.7	0	1320.5	5
	FINES		350.8		356.9	-2		2720.3		2566.5	6
	TOTAL	570	529.0	93	516.0	3	4920	4101.0	83	3887.0	6

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

November 2019

UNIT 000 TONNES

**PRODUCTION**

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR Nov 2018	TILL THE MONTH				CAP UTLN %
		2019-20	TGT	ACT	%FF	LAST YR Nov 2018		TGT	ACT	%FF	LAST YR	
KIRIBURU 5500	L	1150	90	73	81.3	78	-5.7	735	733	99.8	652	12.4
	F	3350	270	226	83.8	283	-19.9	2145	1852	86.3	1959	-5.5
	T	4500	360	300	83.2	360	-16.9	2880	2585	89.8	2611	-1.0
MEGHAHATUBURU 5000	L	875	75	94	125.9	78	20.9	575	673	117	709	-5.1
	F	2625	225	248	110.0	248	-0.2	1710	1790	105	1632	9.6
	T	3500	300	342	114.0	326	4.9	2285	2463	108	2341	5.2
BOLANI 6500	L	2586	235	182	77.4	197	-7.8	1750	1498	85.6	1429	4.8
	F	3914	360	344	95.7	303	13.7	2630	2519	95.8	2116	19.1
	T	6500	595	526	88.4	500	5.2	4380	4017	91.7	3545	13.3
BARSUA 2500	L	803	70	63	90.5	59	6.5	555	412	74.2	333	23.4
	F	1697	150	106	70.4	133	-20.4	1155	629	54.5	782	-19.5
	T	2500	220	169	76.8	192	-12.0	1710	1041	60.9	1115	-6.7
TALDIH 1000	L	332	28	48	170.7			221	229	103	173	32.4
	F	618	52	86	165.9			413	320	77.6	105	204.4
	T	950	80	134	167.6			634	549	86.6	278	97.5
KALTA 2500	L	1229	110	86	78.2	74	16.8	810	446	55	555	-19.7
	F	1071	90	86	95.3	81	6.4	705	360	51.1	476	-24.4
	T	2300	200	172	85.9	154	11.4	1515	806	53.2	1031	-21.9
GUA 4000	L	1130	95	90	94.4	65	38.8	740	684	92.5	687	-0.5
	F	2870	245	252	103.0	165	52.6	1890	1746	92.4	1769	-1.3
	T	4000	340	342	100.6	230	48.8	2630	2431	92.4	2457	-1.1
MANOHARPUR 750	L	375	31	35	112.3	38	-8.9	252	223	88.6	253	-11.7
	F	375	31	40	129.5	38	5.0	252	261	104	198	32.3
	T	750	62	75	120.9	76	-2.0	504	485	96.1	450	7.6
TOTAL 27750	L	8480	734	671	91.4	589	14.0	5638	4898	86.9	4792	2.2
	F	16520	1423	1388	97.6	1250	11.0	10900	9478	87	9037	4.9
	T	25000	2157	2059	95.5	1839	12.0	16538	14376	86.9	13828	4.0

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

November 2019

**UNIT 000 TONNES**

**DESPATCHES**

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR Nov 2018	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON				
		2019-20	TGT	ACT	%FF	LAST YR Nov 2018		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END		
													YEAR BEGN.	MTH BEGN.	MTH END		
KIRIBURU	L	1150	90	65	72.5	90	-27.2	735	725	98.7	656	10.5	15	14	27		
	F	3350	270	234	86.6	249	-6.1	2220	1998	90	1929	3.5	1064	926	918		
	T	4500	360	299	83.1	339	-11.7	2955	2723	92.1	2585	5.3	1079	940	945		
MEGHAHATUBURU	L	875	75	95	126.8	57	66.8	590	733	124	652	12.5	97	32	33		
	F	2625	198	211	106.4	262	-19.6	1779	1991	112	1802	10.4	501	236	274		
	T	3500	273	306	112.0	319	-4.2	2369	2724	115	2454	11.0	598	268	307		
BOLANI	L	2586	203	183	90.0	178	2.5	1728	1484	85.9	1405	5.6	127	137	133		
	F	3914	310	291	93.8	316	-8.0	2620	2358	90	2245	5.1	1617	1714	1763		
	T	6500	513	474	92.3	494	-4.2	4348	3842	88.4	3650	5.3	1744	1851	1896		
BARSUA	L	803	70	58	82.5	61	-4.7	555	411	74	311	32.1	19	15	19		
	F	1697	150	88	58.5	122	-28.1	1155	657	56.9	608	8.0	284	235	253		
	T	2500	220	146	66.2	183	-20.3	1710	1067	62.4	919	16.2	303	250	272		
TALDIH	L	332	28	38	137.2			221	220	99.6	176	25.4	17	34	42		
	F	618	52	81	155.2			413	309	74.8	103	199.4	27	30	31		
	T	950	80	119	148.9			634	529	83.4	279	89.8	44	64	73		
KALTA	L	1229	110	82	75.0	75	9.3	810	483	59.6	553	-12.7	35	2	5		
	F	1071	90	85	94.2	72	18.4	705	410	58.1	471	-13.0	53	1	3		
	T	2300	200	167	83.6	147	13.7	1515	893	58.9	1024	-12.9	88	3	8		
GUA	L	1130	95	78	82.3	68	14.7	740	606	81.9	715	-15.2	26	36	39		
	F	2870	246	222	90.1	177	24.9	1891	1670	88.3	1584	5.4	141	197	211		
	T	4000	341	300	87.9	246	22.1	2631	2276	86.5	2299	-1.0	167	233	250		
MANOHARPUR	L	375	31	30	96.6	43	-30.8	252	224	88.9	261	-14.3			1		
	F	375	31	38	123.6	35	8.5	252	251	99.7	193	29.8	3	8	9		
	T	750	62	68	110.1	79	-13.1	504	475	94.3	455	4.5	3	8	10		
TOTAL	L	8480	702	630	89.7	572	10.0	5631	4886	86.8	4729	3.3	336	270	299		
	F	16520	1347	1249	92.7	1234	1.2	11035	9643	87.4	8936	7.9	3690	3347	3462		
	T	25000	2049	1879	91.7	1806	4.0	16666	14529	87.2	13665	6.3	4026	3617	3761		

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

**November 2019**

**UNIT 000 TE**

DEVELOPMENT										
	FOR MONTH			LAST YR Nov 2018	GRTH %	TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		
KIRIBURU	300	78	26	81	-5	1500	948	63	731	30
MEGHAHATUBURU	410	316	77	157	102	2750	2204	80	1875	18
BOLANI	360	151	42	262	-42	2820	1255	45	1995	-37
BARSUA	170	44	26	46	-4	1080	386	36	198	95
TALDIH	78	72	92			601	267	44	65	308
KALTA										
GUA	320	32	10	257	-88	2200	416	19	1516	-73
MANOHARPUR							12		1	1029
<b>TOTAL</b>	<b>1638</b>	<b>693</b>	<b>42</b>	<b>804</b>	<b>-14</b>	<b>10951</b>	<b>5488</b>	<b>50</b>	<b>6380</b>	<b>-14.0</b>

ROM										
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KIRIBURU	360	300	83	360	-17	2880	2586	90	2611	-1
MEGHAHATUBURU	337	317	94	336	-6	2635	2635	100	2547	3
BOLANI	595	532	89	499	7	4380	3992	91	3610	11
BARSUA	240	173	72	202	-14	1870	1072	57	1158	-7
TALDIH	80	141	176			634	577	91	443	30
KALTA	200	220	110	151	46	1515	934	62	1020	-8
GUA	340	342	101	230	49	2630	2431	92	2457	-1
MANOHARPUR	62	75	121	76	-2	504	485	96	450	8
<b>TOTAL</b>	<b>2214</b>	<b>2099</b>	<b>95</b>	<b>1855</b>	<b>13</b>	<b>17048</b>	<b>14711</b>	<b>86</b>	<b>14295</b>	<b>3</b>

TOTAL EXCAVATION										
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KIRIBURU	660	377	57	442	-15	4380	3533	81	3342	6
MEGHAHATUBURU	747	633	85	493	28	5385	4840	90	4421	9
BOLANI	955	683	72	761	-10	7200	5247	73	5605	-6
BARSUA	410	218	53	248	-12	2950	1458	49	1356	8
TALDIH	158	212	134			1235	844	68	508	66
KALTA	200	220	110	151	46	1515	934	62	1020	-8
GUA	660	374	57	487	-23	4830	2847	59	3972	-28
MANOHARPUR	62	75	121	76	-2	504	496	99	451	10
<b>TOTAL</b>	<b>3852</b>	<b>2792</b>	<b>72</b>	<b>2658</b>	<b>5</b>	<b>27999</b>	<b>20199</b>	<b>72</b>	<b>20676</b>	<b>-2</b>

# Performance against Last Year

Unit in Te	PREVIOUS YEAR EXCAVATION PERFORMANCE 2018-19																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
Apr-18	414550	277830	136720	579990	299790	280200	693432	308108	385324	2365		2365	121796	98306	23490	141140	141140		532303	341000	191303	18700	18700		2504276	1484874	1019402	
May-18	464760	365490	99270	660790	297090	363700	697182	468363	228819	109405	88915	20490	111636	89676	21960	144020	144020		571268	341100	230168	70140	70140		2829201	1864794	964407	
Jun-18	538824	346680	192144	595770	262170	333600	705132	485008	220124	197559	181049	16510	94690	79030	15660	117100	117100		431453	325310	106143	65968	64914	1054	2746496	1861261	885235	
Jul-18	343980	310230	33750	489910	315810	174100	605878	449568	156310	157244	141135	16109	75485	71255	4230	89100	89100		486783	322650	164133	46439	46439		2294819	1746187	548632	
Aug-18	346140	314280	31860	606930	358830	248100	706618	424818	281800	190450	155765	34685	60770	60770		127600	127600		490050	300060	189990	50834	50834		2579392	1792957	786435	
Sep-18	373230	285570	87660	471450	298350	173100	649401	453150	196251	203212	177207	26005	21547	21547		108600	108600		487898	302090	185808	55376	55376		2370714	1701890	668824	
Oct-18	418500	350550	67950	523280	378180	145100	786217	521929	264288	247501	211921	35580	22324	22324		142200	142200		485099	294520	190579	67291	67291		2692412	1988915	703497	
Nov-18	441720	360270	81450	492930	336330	156600	761408	499367	262041	247874	201574	46300				150700	150700		487353	229860	257493	76423	76423		2658408	1854524	803884	
Total	3341704	2610900	730804	4421050	2546550	1874500	5605268	3610311	1994957	1355610	1157566	198044	508248	442908	65340	1020460	1020460		3972208	2456590	1515618	451171	450117	1054	20675719	14295402	6380317	

Unit in Te	THIS YEAR EXCAVATION PERFORMANCE 2019-20																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	TOT EXC	ROM	OB	
Apr-19	476920	304560	172360	581010	330210	250800	731841	548586	183255	2412	2412		45841	45616	225	176200	176200		334980	290790	44190	92799	84005	8794	2442003	1782379	659624	
May-19	513762	305010	208752	600080	348300	251780	677697	570506	107191	256843	180023	76820	53438	53438		159400	159400		373590	292950	80640	62702	61609	1093	2697512	1971236	726276	
Jun-19	518580	360630	157950	611100	335430	275670	736765	583665	153100	219139	160464	58675	87789	45903	41886	129100	129100		355590	312750	42840	37068	35059	2009	2695131	1963001	732130	
Jul-19	462420	359820	102600	596481	317610	278871	666320	548798	117522	210022	158842	51180	116769	73281	43488	84200	84200		319140	293490	25650	47976	47976		2503328	1884017	619311	
Aug-19	410850	320490	90360	578915	350100	228815	599032	493051	105981	187353	135788	51565	63168	41820	21348	27700	27700		378630	322830	55800	65108	65108		2310756	1756887	553869	
Sep-19	370170	297810	72360	603920	309330	294590	586581	277302	309279	165141	116906	48235	127412	85008	42404	26700	26700		385250	286830	98420	46629	46629		2311803	1446515	865288	
Oct-19	403290	337680	65610	635372	327510	307862	565753	437635	128118	199221	144171	55050	137310	91285	46025	111400	111400		325875	289080	36795	69265	69265		2447486	1808026	639460	
Nov-19	377100	299520	77580	632901	316890	316011	683265	532253	151012	217593	173268	44325	212242	140740	71502	219600	219600		374050	341920	32130	74933	74933		2791684	2099124	692560	
Total	3533092	2585520	947572	4839779	2635380	2204399	5247254	3991796	1255458	1457724	1071874	385850	843969	577091	266878	934300	934300		2847105	2430640	416465	496480	484584	11896	20199703	14711185	5488518	

Change Over Last Year

DIFF	191388	-25380	216768	418729	88830	329899	-358014	381485	-739499	102114	-85692	187806	335721	134183	201538	-86160	-86160	-1125103	-25950	-1099153	45309	34467	10842	-476016	415782	-891799	
%Chg	5.7	-1.0	29.7	9.5	3.5	17.6	-6.4	10.6	-37.1	7.5	-7.4	94.8	66.1	30.3	308.4	-8.4	-8.4	-	-28.3	-1.1	-72.5	10.0	7.7	1028.7	-2.3	2.9	-14.0

## Performance against Last Year

Unit in Te

PREVIOUS YEAR PRODUCTION PERFORMANCE 2018-19																												
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL			
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	
Apr-18	73813	204017	277830	82542	217606	300148	93647	217222	310869	39333	29869	69202	79217	88549	167766	92820	248180	341000	18700	18700	480072	1005443	1485515					
May-17	83313	282177	365490	86157	217474	303631	184358	276615	460973	23342	65573	88915	35870	35918	71788	74843	71871	146714	94338	246762	341100	44310	25830	70140	626531	1222220	1848751	
Jun-17	75868	270812	346680	68642	235470	304112	185256	292582	477838	50900	129999	180899	31623	13503	45126	61887	45438	107325	94500	230810	325310	33310	31604	64914	601986	1250218	1852204	
Jul-17	86553	223677	310230	86047	135257	221304	193161	251857	445018	46105	85412	131517	28502	15190	43692	48711	16190	64901	96275	226375	322650	18981	27458	46439	604335	981416	1585751	
Aug-17	90540	223740	314280	137381	135108	272489	188120	219138	407258	47165	99358	146523	24308	664	24972	78855	52463	131318	84805	215255	300060	31619	19215	50834	682793	964941	1647734	
Sep-17	78941	206629	285570	80208	173058	253266	169437	269053	438490	50684	120045	170729	6464	10116	16580	62818	44316	107134	81045	221045	302090	35682	19694	55376	565279	1063956	1629235	
Oct-17	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-17	77609	282661	360270	78050	248001	326051	197315	302994	500309	59480	132533	192013					73715	80549	154264	64574	165286	229860	38186	38237	76423	588929	1250261	1839190
Total	652379	1958521	2610900	709117	1632346	2341463	1428990	2116014	3545004	333496	781672	1115168	172797	105260	278057	554984	476235	1031219	687376	1769214	2456590	252657	197464	450121	4791796	9036726	13828522	

THIS YEAR PRODUCTION PERFORMANCE 2019-20																											
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-19	96120	208440	304560	80355	231111	311466	235045	320436	555481	1447	965	2412	23020	22596	45616	70273	83074	153346	86470	204320	290790	41031	42975	84006	633761	1113916	1747677
May-19	80463	224547	305010	72935	263700	336635	215460	379261	594721	90186	89837	180023	27238	21392	48630	68818	82737	151555	86275	206675	292950	25831	35778	61609	667206	1303927	1971133
Jun-19	96565	264065	360630	75243	248397	323640	191188	393427	584615	54669	105795	160464	20853	22227	43080	64730	43652	108382	92885	219865	312750	7447	27612	35059	603580	1325040	1928620
Jul-19	108100	251149	359249	68360	211573	279933	194632	352006	546638	60996	89376	150372	24663	45143	69806	69762	19497	89259	84110	209380	293490	43828	4148	47976	654451	1182272	1836723
Aug-19	96623	223867	320490	84377	199584	283961	196442	293979	490421	44574	85833	130407	9534	30333	39867	23714	3041	26755	86283	236547	322830	21773	43335	65108	563320	1116519	1679839
Sep-19	80314	217496	297810	93604	160647	254251	102200	179842	282042	38793	71357	110150	42815	38188	81003	10051	10051	77945	208885	286830	15294	31335	46629	461016	907750	1368766	
Oct-19	102046	235634	337680	103791	227315	331106	181041	256145	437186	57640	80281	137921	32725	54214	86939	52271	42258	94528	80665	208415	289080	33177	36088	69265	643355	1140350	1783705
Nov-19	73154	226366	299520	94389	247509	341898	181900	344373	526273	63356	105528	168884	47802	86259	134061	86064	85742	171806	89635	252285	341920	34800	40132	74932	671100	1388194	2059294
Total	733385	1851564	2584949	673054	1789836	2462890	1497908	2519469	4017377	411661	628972	1040633	228650	320352	549002	445683	360001	805683	684268	1746372	2430640	223181	261403	484584	4897789	9477968	14375758

ge Over Last Year

DIFF	81006	-106957	-25951	-36063	157490	121427	68918	403455	472373	78165	-152700	-74535	55853	215092	270945	-109301	-116234	-225535	-3108	-22842	-25950	-29476	63939	34463	105994	441242	547236
%Chg	12	-5	-1	-5	10	5	5	19	13	23	-20	-7	32	204	97	-20	-24	-22	0	-1	-1	-12	32	8	2	5	4

# Performance against Last Year

Unit in Te

PREVIOUS YEAR DESPATCH PERFORMANCE 2018-19																											
	Kiriburu			Meghatatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-18	83370	219106	302476	124184	208457	332641	121767	314857	436624				41799	23872	65671	72764	88815	161579	110181	207154	317335	18434		18434	572499	1062261	1634760
May-18	86809	224690	311499	90587	221302	311889	143299	321339	464638	11027	13401	24428	28797	33720	62517	72019	67164	139183	105181	173192	278373	48609	22053	70662	586328	1076861	1663189
Jun-18	77029	251775	328804	55535	254983	310518	233646	310958	544604	48990	69219	118209	36341	16492	52833	71150	57334	128484	97799	171704	269503	30731	33316	64047	651221	1165781	1817002
Jul-18	86744	222210	308954	86332	189169	275501	196074	277784	473858	49665	110036	159701	32062	14194	46256	46764	14455	61219	99794	213607	313401	22688	26287	48975	620123	1067742	1687865
Aug-18	70849	232280	303129	103720	211329	315049	195435	210652	406087	34538	112653	147191	10639	10639	79638	39235	118873	89921	225752	315673	26029	19246	45275	610769	1051147	1661916	
Sep-18	82155	272635	354790	83990	211535	295525	175113	220309	395422	42903	86578	129482	3846	14883	18729	57156	57061	114217	70118	204300	274418	42425	23236	65661	557706	1090537	1648244
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				75421	71650	147071	68147	177431	245578	43263	35319	78582	572414	1233589	1806004
Total	656092	1929433	2585525	652019	1802354	2454373	1405067	2244772	3649840	310734	607984	918718	175560	103161	278721	553380	470853	1024233	715089	1583952	2299041	261281	193481	454762	4729223	8935991	13665213

THIS YEAR DESPATCH PERFORMANCE 2019-20																											
	Kiriburu			Meghatatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-19	96988	280794	377782	115405	294500	409906	160085	257840	417926	18255	60941	79197	23870	24945	48815	81820	99024	180844	93757	203027	296784	37460	40809	78269	627641	1261881	1889522
May-19	84249	276191	360439	69662	300928	370590	218759	294752	513511	67408	52621	120030	23807	19674	43481	71974	110531	182505	80272	206594	286866	34307	33098	67405	650438	1294389	1944827
Jun-19	95527	281789	377316	80316	264348	344664	211647	346997	558644	77147	107264	184411	19975	14596	34570	61726	37443	99169	81427	211581	293008	6378	24141	30520	634143	1288159	1922302
Jul-19	103456	258082	361538	87011	266761	353772	202773	327706	530480	58008	65353	123360	27185	42716	69901	92230	29799	122029	75013	191694	266707	46149	10536	56685	691826	1192647	1884472
Aug-19	97197	225015	322212	96678	217620	314298	204511	320141	524652	46417	87433	133850	9867	25602	35469	32191	7703	39894	67554	220597	288151	18968	15446	34414	573383	1119558	1692941
Sep-19	81263	219828	301091	90536	196358	286893	144955	258410	403365	42417	67431	109847	45638	45984	91622	7124		7124	64882	219808	284690	21038	38926	59964	497852	1046744	1544597
Oct-19	101241	221884	323125	98521	239451	337972	158402	261781	420183	43121	127796	170917	31382	54671	86053	53552	40352	93904	65118	194804	259922	29741	49956	79697	581077	1190695	1771772
Nov-19	65233	233929	299162	95095	210716	305812	182771	290738	473509	57750	87804	145555	38402	80706	119108	82462	84812	167274	78099	221673	299772	29951	38317	68268	629764	1248695	1878459
Total	725153	1997512	2722665	733225	1990682	2723907	1483904	2358366	3842269	410524	656643	1067167	220126	308894	529020	483079	409664	892743	606122	1669778	2275900	223993	251229	475222	4886125	9642767	14528892

Change Over Last Year

DIFF	69061	68079	137140	81205	188328	269534	78836	113593	192429	99790	48659	148449	44566	205733	250299	-70301	-61189	-131491	-108967	85826	-23141	-37288	57748	20460	156902	706776	863679
%Chg	10.5	3.5	5.3	12.5	10.4	11.0	5.6	5.1	5.3	32.1	8.0	16.2	25.4	199.4	89.8	-12.7	-13.0	-12.8	-15.2	5.4	-1.0	-14.3	29.8	4.5	3.3	7.9	6.3

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**November 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	20	45	223	195	146	75	258	-43	70	152	217	425	918	216	719	28	90	197	219	620	1064	172	976	9	
MBR	50	63	126	380	389	102	273	42	55	111	202	619	718	116	686	5	105	174	166	999	1107	111	959	15	
BOL	50	21	41	455	402	88	460	-13	60	21	35	585	321	55	503	-36	110	42	38	1040	723	70	963	-25	
BAR	70	14	20	470	367	78	44	737	140	10	7	778	544	70	443	23	210	24	12	1248	911	73	487	87	
TAL	15	18	117	120	179	150	36	393	30	14	48	198	110	56	103	7	45	32	71	318	290	91	140	108	
KAL	50			355	3	1	297	-99	30	8	26	169	53	31	94	-44	80	8	10	524	56	11	391	-86	
GUA	5	2	32	30	31	103	23	34	6	6	95	56	84	151	81	4	11	7	66	86	115	134	105	10	
MPR	5	19	389	67	155	231	167	-7	15	8	52	120	85	71	132	-36	20	27	136	187	240	128	299	-20	
RMD TOT	265	181	68	2072	1673	81	1559	7	406	330	81	2950	2833	96	2761	3	671	511	76	5022	4506	90	4321	4	
DRZ																									
PUR																7	-100							7	-100
GR TOT	265	181	68	2072	1673	81	1559	7	406	330	81	2950	2833	96	2768	2	671	511	76	5022	4506	90	4328	4	

**FLUXES**

KTR	40	48	120	320	319	100	222	44
TDMR	8	4	49	48	50	103	45	10
TOT	48	52	108	368	369	100	267	38

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**November 2019**

**दूर्गापूर इस्पात संयंत्र**

UNIT '000 TONNES

MINE	LUMP							FINES							TOTAL									
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB																								
MBR				5			7	-32	8	29	361	54	134	249	91	47	8	29	361	54	139	257	98	42
BOL	108	131	121	928	791	85	689	15	159	204	128	1317	1276	97	1105	15	267	335	125	2245	2067	92	1794	15
BAR																								
TAL																								
KAL																								
GUA	28	5	17	210	175	83	285	-39	50	2	3	386	321	83	658	-51	78	6	8	596	496	83	943	-47
MPR																								
RMD TOT	136	135	100	1138	971	85	981	-1	217	235	108	1757	1732	99	1854	-7	353	370	105	2895	2703	93	2835	-5
DRZ																								
PUR																								
GR TOT	136	135	100	1138	971	85	981	-1	217	235	108	1757	1732	99	1854	-7	353	370	105	2895	2703	93	2835	-5

FLUXES

KTR				44	32	72	32	0
TDMR								
TOT				44	32	72	32	0

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**  
**November 2019**  
**राउरकेला इस्पात संयंत्र**

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF			
KRB	70	21	29	540	579	107	398	45	80	32	39	745	823	110	1159	-29	150	52	35	1285	1402	109	1557	-10	
MBR	25	32	129	210	339	162	369	-8	115	4	3	890	851	96	889	-4	140	36	26	1100	1191	108	1257	-5	
BOL																									
BAR		43		85	43	51	267	-84		78		367	113	31	165	-32		121			452	156	35	432	-64
TAL	13	21	160	101	41	40	139	-71	22	66	301	215	199	92			35	87	249	316	239	76	139	72	
KAL	60	82	137	455	480	105	256	87	60	77	128	536	357	67	377	-5	120	159	133	991	836	84	633	32	
GUA														11									11		
MPR		11		10	65	655	86	-24	16	31	191	132	161	122	50	219	16	41	257	142	226	159	137	66	
RMD TOT	168	210	125	1401	1548	110	1515	2	293	287	98	2885	2514	87	2640	-5	461	497	108	4286	4062	95	4155	-2	
PUR																									
DRZ								6	-100														6	-100	
GR TOT	168	210	125	1401	1548	110	1521	2	293	287	98	2885	2514	87	2640	-5	461	497	108	4286	4062	95	4161	-2	

FLUXES

KTR	12	32	269	80	192	239	51	276
TDMR	4			29	11	36	11	-4
TOT	16	32	202	109	202	185	62	226

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

November 2019

बर्नपूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL								
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	
KRB																3	-100							3	-100
MBR							3	-100		67			287		129	123		67			287			132	118
BOL	45	31	70	345	291	84	256	14	70	66	94	665	761	114	637	20	115	97	84	1010	1052	104	893	18	
BAR																									
TAL																									
KAL																									
GUA	62	72	116	500	400	80	407	-2	181	149	82	1371	934	68	845	11	243	221	91	1871	1334	71	1252	7	
MPR	26			175	3	2	8	-54					3		12	-72	26			175	7	4	19	-65	
RMD TOT	133	103	78	1020	694	68	674	3	251	282	112	2036	1985	98	1625	22	384	385	100	3056	2680	88	2299	17	
DRZ																									
PUR																									
GR TOT	133	103	78	1020	694	68	674	3	251	282	112	2036	1985	98	1625	22	384	385	100	3056	2680	88	2299	17	

**FLUXES**

KTR								
TDMR							3	-100
TOT							3	-100

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**November 2019**

**भिलाई इस्पात संयंत्र**

MINE	LUMP								FINES								TOTAL								UNIT '000 TONNES			
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH				
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%				
KRB									100	50	50	800	256	32	49	427	100	50	50	800	256	32	49	427				
MBR																8	-100								8	-100		
BOL																												
BAR																												
TAL																												
KAL																												
GUA										65				320					65				320					
MPR															3									3				
RMD TOT									100	116	116	800	578	72	56	926	100	116	116	800	578	72	56	926				
DRZ																												
PUR																												
GR TOT									100	116	116	800	578	72	56	926	100	116	116	800	578	72	56	926				
FLUXES																												
KTR	40	40	100	332	358	108	273	31																				
TDMR	8			46	30	65	84	-64																				
TOT	48	40	83	378	388	103	358	8																				

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

November 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	90	65	72	735	725	99	656	11	250	234	94	1970	1998	101	1929	4	340	299	88	2705	2723	101	2585	5	
MBR	75	95	127	590	733	124	652	12	178	211	118	1563	1991	127	1802	10	253	306	121	2153	2724	127	2454	11	
BOL	203	183	90	1728	1484	86	1405	6	289	291	101	2567	2358	92	2245	5	492	474	96	4295	3842	89	3650	5	
BAR	70	58	83	555	411	74	311	32	140	88	63	1145	657	57	608	8	210	146	69	1700	1067	63	919	16	
TAL	28	38	137	221	220	100	176	25	52	81	155	413	309	75	103	199	80	119	149	634	529	83	279	90	
KAL	110	82	75	810	483	60	553	-13	90	85	94	705	410	58	471	-13	200	167	84	1515	893	59	1024	-13	
GUA	95	78	82	740	606	82	715	-15	237	222	94	1813	1670	92	1584	5	332	300	90	2553	2276	89	2299	-1	
MPR	31	30	97	252	224	89	261	-14	31	38	124	252	251	100	193	30	62	68	110	504	475	94	455	4	
RMD TOT	702	630	90	5631	4886	87	4729	3	1267	1249	99	10428	9643	92	8936	8	1969	1879	95	16059	14529	90	13665	6	
PUR																									
DRZ							6	-100							7	-100								13	-100
GR TOT	702	630	90	5631	4886	87	4735	3	1267	1249	99	10428	9643	92	8943	8	1969	1879	95	16059	14529	90	13678	6	

FLUXES

KTR	92	120	130	776	900	116	578	56
TDMR	20	4	20	123	90	73	143	-37
TOT	112	124	111	899	990	110	721	37

**FLUX MINES OPERATIONS**  
**November 2019**

UNIT 000 TONNES

**PRODUCTION**

MINE		PLAN 2019-20	FOR THE MONTH				GRTH % OVER LSTYR Nov 2018	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Nov 2018		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1200	100	126	126.2	53	137.0	785	900	115	558	61.3
TULSIDAMAR	DOLO	210	20	14	71.1	16	-11.4	123	124	101	123	1.3
RMD TOTAL		1410	120	140	117.0	69	102.7	908	1024	113	681	50.5

**DESPATCHES**

MINE		PLAN 2019-20	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1200	100	120	120.0	58	105.3	784	900	115	578	55.8
TULSIDAMAR	DOLO	210	20	4	19.7	11	-65.3	123	90	73.2	143	-37.0
RMD TOTAL		1410	120	124	103.3	70	77.5	907	990	109	721	37.4

## Performance against Last Year

Unit in Te	PREVIOUS YEAR FLUX PERFORMANCE 2018-19					
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-18	65066	71776	13836	22043	78902	93819
May-18	75105	87834	14281	12953	89386	100787
Jun-18	98203	86914	15876	21881	114079	108795
Jul-18	81536	79424	12834	20622	94370	100046
Aug-18	46162	47466	14831	26918	60993	74384
Sep-18	78218	79007	19986	12059	98204	91066
Oct-18	60349	66898	14957	14969	75306	81867
Nov-18	53239	58462	16047	11375	69286	69837
Total	557878	577780	122648	142820	680526	720600

THIS YEAR FLUX PERFORMANCE 2019-20						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-19	103185	103843	4991	6436	108176	110279
May-19	106405	111455	13271	5580	119676	117035
Jun-19	99865	103779	17007	21047	116872	124825
Jul-19	116147	103395	21599	19730	137746	123125
Aug-19	114438	118764	18702	8038	133140	126802
Sep-19	124345	127962	17721	4121	142066	132083
Oct-19	109201	110791	16712	21181	125913	131972
Nov-19	126203	120158	14231	3782	140434	123939
Total	899788	900145	124235	89914	1024023	990059

Over Last Year

DIFF	341910	322365	1587	-52906	343497	269459
%Chg	61.3	55.8	1.3	-37.0	50.5	37.4

**QUALITY ANALYSED AT PLANT**

**November 2019**

**बोकारो इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाइन्स**

**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	62.5	3	2.5	10	10	62.5	3.4	2.6	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	62.84	3.21	2.03	24.41	17.95	61.6	4.51	2.5	8.45	33.43		MTH ACT	26.96	15.92	6.06	13.9	8.55
CUM	2019-20	62.7	3.37	2.03	21.84	16.4	61.61	4.36	2.55	8.52	32.58	CUM	2019-20	27.02	17.44	5.53	5.33	8.20
CUM	2018-19	62.69	3.48	1.81	15.13	18.65	62.07	3.84	2.37	9.88	30.63	CUM	2018-19	28.68	18.79	5.17	5.05	9.06

MBR	NORM	62.5	3.4	2.6	10	10	62	4	2.5	5	30	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	62.85	3.36	1.95	20.12	21.06	61.31	5	2.51	6.35	35.06		MTH ACT	41.9	4.38	3.57	10.07	18.26
CUM	2019-20	62.86	3.25	1.93	18.14	18.5	61.48	4.71	2.46	6.04	34.89	CUM	2019-20	43.40	3.80	3.54	10.46	17.41
CUM	2018-19	62.89	3.14	1.89	14.94	19.89	61.79	4.19	2.47	5.29	35.44	CUM	2018-19	43.69	2.42	3.53	6.85	22.69

GUA	NORM	62.5	3	2.2	10	10	62.5	3	2.7	5	40							
	MTH ACT																	
CUM	2019-20	61.44	2.55	1.96	18.02	18.58	60.12	3.66	2.53	3.85	37.06							
CUM	2018-19	63.14	2.75	1.87	20.18	18.68	62.37	3.44	2.22	3.03	41.02							

BOL	NORM	62.5	2.8	2.5	10	10	62.5	2.9	2.8	5	30							
	MTH ACT	63.03	2.81	2.15	21.2	18.89	61.38	4.69	2.53	6.7	36.06							
CUM	2019-20	62.99	2.62	2.25	21.12	17.13	61.73	3.94	2.7	6.32	34.89							
CUM	2018-19	62.96	2.87	2.03	20.19	17.09	61.9	3.62	2.66	5.89	34.49							

BAR	NORM	62.5	2.9	3	10	10	62	3.5	3	5	30							
	MTH ACT	62.42	3.1	2.72	17.72	24.2	61.24	4.28	3.25	6.46	32.53							
CUM	2019-20	62.72	2.56	2.75	18.98	16.65	61.16	4.03	3.53	6.31	33.67							
CUM	2018-19	62.75	2.28	2.97	20.11	17.79	61.52	3.47	3.6	6.1	34.36							

KAL	NORM	63	2.1	2.3	5	10	63	2.4	2.5	5	40							
	MTH ACT						61.84	4.08	2.64	5.6	40.4							
CUM	2019-20	64.41	1.86	1.57	8.3	10.2	62.56	3.31	2.28	4.78	33.55							
CUM	2018-19	63.76	2.13	2.06	6.64	12.96	63.31	2.45	2.27	4.49	29.85							

MPR	NORM	63			10	10	63			5	40							
	MTH ACT	63.28	2.4	2.19	12	10.06	62.56	3.38	2.29	4.88	29.4							
CUM	2019-20	63.68	2.03	2.01	11.55	9.45	62.83	3.22	2.06	4.64	29.17							
CUM	2018-19	63.78	2.07	1.91	13	10.83	63.29	2.48	2.19	4.53	29.54							

TAL	NORM	62.5			5	10	62			5	40							
	MTH ACT	62.98	2.48	2.47	9.76	12.38	62.08	3.71	2.56	5.3	30.23							
CUM	2019-20	63.2	2.27	2.3	10.64	11	61.9	3.68	2.81	5.1	29.98							
CUM	2018-19	63.31	2.42	2.14	12.11	14.44	62.53	2.87	3.02	4.9	30.39							

**QUALITY ANALYSED AT PLANT**

**November 2019**

**दूर्गापूर इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाइन्स**

**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%
MBR	NORM	62.5	3.4	2.6	10	10	62	4	2.5	5	30	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						60.7	5.94	2.69	6.06	45.4		MTH ACT					
CUM	2019-20	58.8	6.9	2.6	5.2	17.1	60.59	6.56	2.51	6.51	46.08	CUM	2019-20	45.59	1.74	4.16	12.58	25.24
CUM	2018-19	61.14	2.53	1.95	17.13	4.09	61.58	5.04	2.2	4.04	47.09	CUM	2018-19	46.79	2.11	3.99	18.2	17.77

GUA	NORM	62.5	3	2.2	10	10	62.5	3	2.7	5	40
	MTH ACT	61.2	6.2	2.8	9.2	10.1					
CUM	2019-20	61.97	3.8	2.01	13.87	12.28	62.47	3.54	2.46	4.52	48.89
CUM	2018-19	62.7	3.12	1.68	20.86	15.61	63.29	3.01	1.97	2.91	50.58

BOL	NORM	62.5	2.8	2.5	10	10	62.5	2.9	2.8	5	30
	MTH ACT	61.67	4.29	2.22	14.91	12.86	61.7	3.62	3.08	6.7	41.02
CUM	2019-20	61.73	3.6	1.94	24.93	12.1	62.09	3.45	2.58	7.54	40.53
CUM	2018-19	62.18	2.87	1.94	22.28	14.17	62.39	3.07	2.61	5.88	41.44

**QUALITY ANALYSED AT PLANT**

**November 2019**

**रात्रकेला इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फार्डिन्स**

**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	62.5	3	2.5	10	10	62.5	3.4	2.6	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT	62.2	2.6	2.8	13	20	61.5	3.5	3.4	7.5	38.5		MTH ACT					
CUM	2019-20	62.13	4.1	2.51	16	21.48	61.46	4.47	2.49	7.56	39.84	CUM	2019-20	29.7	19.7	3.4		
CUM	2018-19	62.57	3.3	2.68	14.73	20.57	62.07	3.31	2.72	7.5	37.19	CUM	2018-19					

MBR	NORM	62.5	3.4	2.6	10	10	62	4	2.5	5	30	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	61.90	4	2.9	14	25	61.4	3.6	3.1				MTH ACT	48.7	2.9	4		
CUM	2019-20	62.42	2.93	3.23	19.8	20.1	61.53	4.28	2.55	10.1	34.67	CUM	2019-20	49.8	2.4	3.5		
CUM	2018-19	62.53	3.23	2.82	15.66	20	62.01	3.41	2.71	8.1	35.62	CUM	2018-19	49.78	2.61	3.04		

GUA	NORM	62.5	3	2.2	10	10	62.5	3	2.7	5	40							
	MTH ACT																	
CUM	2019-20						62.1	4.1	1.93	6.5	38.5							
CUM	2018-19	62.6	3.3	2.6	4	41												

BAR	NORM	62.5	2.9	3	10	10	62	3.5	3	5	30							
	MTH ACT	62.8	2.6	2.9	9.11	19.11	62	3.4	2.9	7	40							
CUM	2019-20	62.8	2.6	2.9	9.11	19.11	61.89	3.6	2.81									
CUM	2018-19	62.41	3.14	3.08	12.87	22.29	61.8	3.42	2.98	7.2	34.12							

KAL	NORM	63	2.1	2.3	5	10	63	2.4	2.5	5	40							
	MTH ACT	63	2.7	2.6	8.6	19.7	62.7	2.7	2.5	6	34							
CUM	2019-20	63.18	2.76	2.34	13.87	16.68	62.83	2.6	2.36	7.78	37.33							
CUM	2018-19	63.47	2.51	2.16	13.93	16.7	62.96	2.52	2.09	6.27	34.35							

MPR	NORM	63			10	10	63			5	40							
	MTH ACT	63.2	2.4	2.4			62.8	2.8	2.4	8	38							
CUM	2019-20	63.38	2.57	2.16	18.74	15.98	62.85	2.79	2.18	7.61	38.39							
CUM	2018-19	63.4	2.56	2.27	16.64	15.8	62.93	2.57	2.38	7.89	35.05							

TAL	NORM	62.5			5	10	62			5	40							
	MTH ACT	63	2	3.4			62.5	2.7	2.8									
CUM	2019-20	62.84	2.44	3.17	7.11	9.34	62.12	3.39	2.63	1.26	6.5							
CUM	2018-19	63.46	2.45	2.26	9.36	17.55												

**QUALITY ANALYSED AT PLANT**

**November 2019**

**बन्धपूर इस्पात संयंत्र**

**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	62.5	3	2.5	10	10	62.5	3.4	2.6	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT												MTH ACT					
CUM	2019-20											CUM	2019-20					
CUM	2018-19						62.7	2.24	3.35	13.13	41.97	CUM	2018-19					

MBR	NORM	62.5	3.4	2.6	10	10	62	4	2.5	5	30	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						61.42	5.65	2.38	8.39	42.09		MTH ACT					
CUM	2019-20						61.86	5.03	2.26	8.54	39.11	CUM	2019-20					
CUM	2018-19	64.79	1.47	1.18	66.82	0.7	61.27	4.79	3.22	7.97	37.97	CUM	2018-19					

GUA	NORM	62.5	3	2.2	10	10	62.5	3	2.7	5	40							
	MTH ACT	61.2	5.8	2.04	19.72	8.03	61.69	4.9	2.42	5.8	49.04							
CUM	2019-20	62.89	3.95	1.9	15.91	7.5	62.78	3.92	2.24	6.11	46.74							
CUM	2018-19	63.06	3.05	1.97	23.77	2.77	62.87	3.49	2.42	5.09	47.62							

BOL	NORM	62.5	2.8	2.5	10	10	62.5	2.9	2.8	5	30							
	MTH ACT	61.49	5.21	2.18	23.66	6.91	61.23	4.97	3.04	6	43.85							
CUM	2019-20	62.92	3.77	2.03	24.31	6.55	62.52	3.85	2.52	8.78	39.39							
CUM	2018-19	62.77	3.37	2.15	20.1	2.01	61.65	3.96	3.32	8.43	38.89							

MPR	NORM	63			10	10	63			5	40							
	MTH ACT																	
CUM	2019-20						62.65	4.43	2.56	5.78	47.69							
CUM	2018-19	63.37	2.49	2.12	23.76	3.3	61.03	4.45	3.97	5.28	47.99							

**QUALITY ANALYSED AT PLANT**

**November 2019**

**भिलाई इस्पात संयत्र**

लौह अयस्क लम्प

लौह अयस्क फार्म्स

**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	62.5	3	2.5	10	10	62.5	3.4	2.6	5	30	TDM	NORM	30	18	5	5	10
	MTH ACT						62.45	4.44	2.36	13.3	39.76		MTH ACT					
CUM	2019-20						62.46	4.27	2.4	7.68	41.45	CUM	2019-20	28.13	18.27	7.54	28.63	14.13
CUM	2018-19						62.75	4.08	2.06	9.07	41.2	CUM	2018-19	28.53	17.64	8.24	33.75	9.24

MBR		62.5	3.4	2.6	10	10	62	4	2.5	5	30	KTR	NORM	50	2.25	3.5	5	5
MTH ACT											MTH ACT		49.36	2.43	4.07	10.4	18.1	
CUM	2019-20											CUM	2019-20	49.81	2.24	3.86	9.05	18.19
CUM	2018-19						62.32	4.69	1.61	1.1	39.6	CUM	2018-19	49.83	2.26	3.9	9.19	18.3

GUA		62.5	3	2.2	10	10	62.5	3	2.7	5	40							
MTH ACT						61.9	5.12	2.53	2.38	56.84								
CUM	2019-20						63.6	3.33	1.98	2.05	54.26							
CUM	2018-19																	

**किरीबुरु**

**लम्प**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.61	3.35	2.42	14.85	19.99	5.77	0.72	1008420
APP 19-20	62.50	3.00	2.50	10.00	10.00	5.50	0.83	1150000
Apr-19	62.43	3.42	2.57	15.85	19.54	5.99	0.75	98123
May-19	62.53	2.79	3.16	15.16	21.34	5.95	1.13	85576
Jun-19	62.63	3.06	2.87	14.47	22.92	5.93	0.94	81540
Jul-19	62.35	3.98	2.30	18.32	20.56	6.29	0.58	104549
Aug-19	62.07	4.29	2.32	19.87	17.65	6.61	0.54	101188
Sep-19	61.97	4.91	1.95	17.91	21.95	6.86	0.40	77563
Oct-19	61.50	5.66	1.87	15.92	21.19	7.53	0.33	106397
Nov-19	62.63	3.01	2.29	20.61	18.63	5.29	0.76	77812
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.24	3.95	2.40	17.26	20.41	6.35	0.61	732748

**किरीबुरु**

**फाईन्स**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.09	3.53	2.57	8.45	34.82	6.10	0.73	2869948
APP 19-20	62.50	3.40	2.60	5.00	30.00	6.00	0.76	3350000
Apr-19	61.96	3.76	2.61	7.48	37.31	6.37	0.69	268667
May-19	62.01	3.63	2.90	7.78	38.21	6.53	0.80	277835
Jun-19	62.15	3.45	2.69	7.63	32.71	6.14	0.78	272036
Jul-19	61.61	4.51	2.38	7.35	37.17	6.89	0.53	252007
Aug-19	61.38	4.88	2.27	8.92	37.56	7.15	0.47	233704
Sep-19	61.11	5.21	2.32	8.37	37.18	7.53	0.44	221053
Oct-19	60.90	5.90	2.13	7.39	37.24	8.03	0.36	218799
Nov-19	61.80	4.32	2.62	9.51	35.91	6.94	0.61	292707
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.65	4.39	2.51	8.07	36.61	6.90	0.57	2036808

**मेघाहातुबुरु**

**लम्प**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.66	3.19	2.46	15.56	19.79	5.64	0.77	1003297
APP 19-20	62.50	3.40	2.60	10.00	10.00	6.00	0.76	875000
Apr-19	62.96	2.90	2.18	17.98	18.75	5.08	0.75	118908
May-19	62.50	2.93	3.07	19.81	19.71	6.01	1.05	69120
Jun-19	62.70	3.07	2.42	18.63	17.47	5.49	0.79	75562
Jul-19	62.64	3.42	2.19	17.50	19.42	5.61	0.64	77921
Aug-19	62.54	3.65	2.21	17.11	20.11	5.86	0.60	101528
Sep-19	62.03	4.72	1.86	18.96	19.80	6.58	0.39	85676
Oct-19	61.84	4.86	2.03	17.61	19.99	6.89	0.42	99234
Nov-19	62.54	3.57	2.26	18.10	22.36	5.83	0.63	99493
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.48	3.65	2.25	18.13	19.76	5.90	0.62	727442

**मेघाहातुबुरु**

**फाईन्स**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	61.86	3.88	2.62	6.81	36.47	6.50	0.67	2726334
APP 19-20	62.00	4.00	2.50	5.00	30.00	6.50	0.63	2625000
Apr-19	61.93	3.88	2.46	5.54	36.09	6.34	0.63	302274
May-19	61.72	3.94	2.78	7.43	38.62	6.72	0.71	302670
Jun-19	61.73	3.93	2.89	8.52	38.33	6.82	0.74	245894
Jul-19	61.58	4.69	2.48	6.59	37.66	7.18	0.53	278469
Aug-19	61.41	4.97	2.29	7.73	36.00	7.26	0.46	218171
Sep-19	61.53	5.07	2.08	13.68	23.13	7.15	0.41	192913
Oct-19	60.53	6.47	2.09	6.31	39.60	8.56	0.32	235708
Nov-19	61.26	5.31	2.51	6.95	38.80	7.82	0.47	195814
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.49	4.70	2.47	7.62	36.39	7.17	0.53	1971913

## बोलानी

## लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.55	2.97	2.01	21.16	12.69	4.98	0.68	2197173
APP 19-20	62.50	2.80	2.50	10.00	10.00	5.30	0.89	2586000
Apr-19	63.10	2.22	2.27	21.08	11.98	4.49	1.02	160023
May-19	62.53	3.01	2.24	18.21	14.02	5.25	0.74	215081
Jun-19	62.76	2.67	2.10	24.48	14.09	4.78	0.79	202516
Jul-19	62.05	4.17	1.87	26.21	11.77	6.04	0.45	197433
Aug-19	61.77	4.01	1.74	30.16	9.27	5.75	0.43	200134
Sep-19	62.26	2.95	1.98	32.23	11.98	4.93	0.67	142430
Oct-19	62.36	3.42	1.92	21.29	13.13	5.35	0.56	146213
Nov-19	61.78	4.30	2.21	17.18	12.43	6.50	0.51	173885
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.32	3.37	2.04	23.75	12.35	5.41	0.61	1437715

## बोलानी

## फार्इन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.05	3.47	2.85	6.72	39.22	6.32	0.82	3267584
APP 19-20	62.50	2.90	2.80	5.00	30.00	5.70	0.97	3914000
Apr-19	61.93	3.33	3.13	7.01	45.01	6.46	0.94	251813
May-19	62.45	3.24	2.59	8.03	39.81	5.83	0.80	297107
Jun-19	62.35	3.44	2.60	8.79	38.10	6.04	0.75	340167
Jul-19	62.19	4.01	2.38	7.33	37.14	6.39	0.59	325186
Aug-19	61.94	4.09	2.42	8.49	38.25	6.51	0.59	317909
Sep-19	62.29	3.32	2.38	9.65	35.90	5.70	0.72	266861
Oct-19	62.71	3.63	2.17	5.99	40.78	5.80	0.60	260458
Nov-19	61.57	4.00	3.03	6.54	41.31	7.03	0.76	280234
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.18	3.65	2.58	7.78	39.38	6.22	0.71	2339735

## ગુઆ

## લમ્પ

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.96	3.47	1.88	18.97	7.69	5.34	0.54	1084884
APP 19-20	62.50	3.00	2.20	10.00	10.00	5.20	0.73	1130000
Apr-19	63.45	2.37	2.12	8.58	10.10	4.49	0.89	93991
May-19	63.02	2.84	1.84	10.50	10.31	4.67	0.65	87035
Jun-19	63.52	2.82	1.91	17.35	8.53	4.73	0.68	88072
Jul-19	62.55	3.76	1.76	18.24	7.71	5.52	0.47	79082
Aug-19	62.05	4.52	2.02	23.96	8.08	6.54	0.45	71280
Sep-19	61.87	4.90	1.95	12.89	11.62	6.86	0.40	63634
Oct-19	63.00	4.46	1.67	15.16	11.30	6.13	0.37	57247
Nov-19	61.20	5.82	2.08	19.10	8.15	7.91	0.36	67940
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.66	3.78	1.93	15.43	9.41	5.71	0.51	608281

## ગુઆ

## ફાર્ઇન્સ

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.99	3.32	2.26	4.25	48.31	5.58	0.68	2402128
APP 19-20	62.50	3.00	2.70	5.00	40.00	5.70	0.90	2870000
Apr-19	62.78	3.16	2.75	5.34	43.03	5.91	0.87	203894
May-19	62.90	3.31	2.37	4.75	46.28	5.68	0.72	213942
Jun-19	63.11	3.17	2.32	6.01	47.33	5.48	0.73	219144
Jul-19	63.03	3.52	2.14	5.41	49.48	5.66	0.61	194160
Aug-19	62.33	4.14	2.39	4.28	48.54	6.53	0.58	229040
Sep-19	62.80	4.54	1.76	4.71	50.32	6.31	0.39	213036
Oct-19	62.87	4.55	2.06	4.87	49.70	6.60	0.45	202368
Nov-19	61.77	4.98	2.46	4.53	51.94	7.44	0.49	222747
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.69	3.93	2.28	4.98	48.35	6.21	0.58	1698331

बरसुआ

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.58	2.71	3.03	16.49	20.04	5.74	1.12	594000
APP 19-20	62.50	2.90	3.00	10.00	10.00	5.90	1.03	803000
Apr-19	62.63	2.36	3.00	16.36	16.33	5.36	1.27	18255
May-19	62.81	2.40	2.75	17.27	15.72	5.15	1.15	64420
Jun-19	62.92	2.42	2.54	21.48	18.28	4.96	1.05	77557
Jul-19	62.54	2.59	2.97	18.12	13.56	5.56	1.15	57323
Aug-19	62.86	2.50	2.62	20.46	14.86	5.12	1.05	46610
Sep-19	62.67	2.68	2.73	16.87	14.86	5.41	1.02	45600
Oct-19	62.42	3.10	2.72	17.72	24.20	5.82	0.88	36216
Nov-19	62.72	2.71	2.86	10.99	20.22	5.57	1.06	87268
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.73	2.59	2.76	17.17	17.35	5.34	1.06	433249

बरसुआ

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	61.57	3.46	3.50	6.28	34.32	6.96	1.01	1065000
APP 19-20	62.00	3.50	3.00	5.00	30.00	6.50	0.86	1697000
Apr-19	61.45	3.64	3.43	5.86	33.27	7.07	0.94	67951
May-19	60.77	4.18	4.00	6.43	34.11	8.18	0.96	49035
Jun-19	61.20	3.85	3.61	6.35	34.64	7.46	0.94	103928
Jul-19	60.72	4.17	3.99	6.10	34.90	8.16	0.96	72204
Aug-19	61.29	3.99	3.35	6.41	34.20	7.34	0.84	87433
Sep-19	61.27	4.04	3.36	6.32	31.94	7.40	0.83	60386
Oct-19	61.34	4.23	3.09	6.46	32.53	7.32	0.73	141710
Nov-19	61.95	3.46	2.92	6.96	39.49	6.38	0.85	146331
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.34	3.91	3.37	6.43	34.79	7.28	0.86	728978

तलडीह

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.43	2.44	2.23	9.97	16.87	4.68	0.91	180621
APP 19-20	62.50			5.00	10.00			332000
Apr-19	63.54	1.84	2.19	10.80	11.43	4.03	1.19	24261
May-19	62.98	2.36	2.70	12.41	15.94	5.06	1.14	27391
Jun-19	63.14	2.43	2.49	11.97	12.89	4.91	1.03	17089
Jul-19	63.15	2.00	2.44	10.70	10.40	4.44	1.22	27484
Aug-19	63.49	2.29	1.93	10.43	9.37	4.22	0.84	10603
Sep-19	63.05	2.71	2.13	10.77	10.02	4.84	0.79	43979
Oct-19	62.98	2.48	2.47	9.76	12.38	4.95	1.00	36862
Nov-19	62.99	2.22	2.97	9.76	12.38	5.19	1.33	18114
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.12	2.34	2.41	10.79	11.86	4.75	1.03	205783

तलडीह

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.53	2.87	3.02	4.90	30.39	5.89	1.05	101338
APP 19-20	62.00			5.00	40.00			618000
Apr-19	61.79	3.68	2.92	4.94	29.34	6.60	0.79	25767
May-19	61.91	3.11	3.19	6.66	36.90	6.30	1.02	19562
Jun-19	61.72	3.36	3.25	7.10	36.00	6.61	0.97	14989
Jul-19	61.92	3.82	2.43			6.25	0.64	39453
Aug-19	61.46	4.57	2.40			6.97	0.53	28626
Sep-19	61.82	3.91	2.61	5.96	34.05	6.52	0.67	48752
Oct-19	62.29	3.38	2.55	5.30	30.23	5.93	0.75	55551
Nov-19	62.42	2.89	2.76	5.30	30.23	5.64	0.95	15055
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.93	3.67	2.67	5.72	32.35	6.34	0.73	247755

मनोहरपुर

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.65	2.23	2.02	15.03	11.12	4.24	0.90	406931
APP 19-20	63.00			10.00	10.00			375000
Apr-19	63.67	2.12	1.95	14.64	10.92	4.07	0.92	36849
May-19	63.71	1.94	2.14	14.25	11.51	4.08	1.11	29189
Jun-19	63.72	1.95	2.10	10.53	8.40	4.05	1.08	11963
Jul-19	63.62	2.13	2.05	12.37	10.29	4.17	0.96	47536
Aug-19	63.65	2.05	2.07	10.52	9.22	4.12	1.01	19836
Sep-19	63.59	2.36	2.04	17.41	14.87	4.40	0.86	20468
Oct-19	63.29	2.72	2.01	14.32	12.45	4.73	0.74	29259
Nov-19	63.25	2.40	2.27	12.00	10.06	4.67	0.95	26563
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.56	2.22	2.07	13.41	11.04	4.29	0.93	221663

काल्टा

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.57	2.38	2.13	11.41	15.41	4.50	0.89	919599
APP 19-20	63.00	2.10	2.30	5.00	10.00	4.40	1.10	1229000
Apr-19	63.48	2.50	2.11	13.65	15.08	4.61	0.84	79514
May-19	63.36	2.21	2.59	16.00	15.70	4.80	1.17	76324
Jun-19	63.30	2.50	2.40	15.40	15.30	4.90	0.96	56938
Jul-19	63.22	2.76	2.30	17.15	13.77	5.06	0.83	91889
Aug-19	63.19	3.15	2.03	17.43	14.71	5.18	0.64	31995
Sep-19	61.80	4.80	2.30	12.00	24.50	7.10	0.48	7294
Oct-19	62.80	3.80	2.00	9.80	22.10	5.80	0.53	50934
Nov-19	63.00	2.70	2.60	8.60	19.70	5.30	0.96	86508
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	63.19	2.76	2.33	13.81	16.64	5.09	0.85	481396

मनोहरपुर

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	62.95	2.74	2.44	5.18	32.72	5.18	0.89	338554
APP 19-20	63.00			5.00	40.00			375000
Apr-19	62.69	2.66	2.37	6.26	34.42	5.03	0.89	35806
May-19	62.97	2.42	2.46	7.37	37.99	4.89	1.02	37045
Jun-19	62.74	3.06	2.36	4.18	29.32	5.43	0.77	23826
Jul-19	62.40	3.20	2.40	5.00	38.00	5.60	0.75	6347
Aug-19	63.13	3.26	1.56	5.23	29.48	4.82	0.48	16508
Sep-19	62.96	2.90	1.97	6.73	36.32	4.87	0.68	36471
Oct-19	62.66	3.39	1.96	6.67	36.30	5.35	0.58	51326
Nov-19	62.75	2.92	2.38	7.36	36.23	5.30	0.81	38465
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.80	2.95	2.18	6.45	35.18	5.13	0.74	245794

काल्टा

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 18-19	63.03	2.51	2.12	5.94	33.51	4.63	0.85	784000
APP 19-20	63.00	2.40	2.50	5.00	40.00	4.90	1.04	1071000
Apr-19	62.98	2.58	2.19	8.31	35.88	4.77	0.85	96577
May-19	62.92	2.39	2.44	7.95	37.65	4.84	1.02	107867
Jun-19	62.82	2.54	2.39	7.12	37.48	4.93	0.94	45255
Jul-19	62.83	2.60	2.36			4.96	0.91	30255
Aug-19	62.95	2.70	2.15			4.85	0.80	7725
Sep-19								
Oct-19	62.39	3.66	2.10	6.62	39.38	5.76	0.57	45152
Nov-19	62.70	2.70	2.50	6.00	34.00	5.20	0.93	74062
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.82	2.67	2.34	7.39	36.64	5.01	0.88	406893

ग्रनावत्ता :: बोकारो

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	63.09	2.72	2.09	15.93	16.56	4.81	0.77	2375715
APP 19-20	62.60	2.79	2.57	8.89	10.00	5.36	0.92	3145000
Apr-19	63.24	2.43	2.06	16.27	15.46	4.50	0.85	228569
May-19	63.05	2.39	2.41	16.57	16.20	4.80	1.01	232270
Jun-19	63.05	2.49	2.28	20.67	16.77	4.78	0.92	232875
Jul-19	62.91	2.67	2.35	17.14	15.25	5.02	0.88	257492
Aug-19	63.06	2.68	2.18	18.86	14.53	4.86	0.81	178194
Sep-19	62.76	3.05	2.22	17.88	13.89	5.27	0.73	164730
Oct-19	62.59	3.38	2.22	16.21	16.92	5.60	0.66	178093
Nov-19	62.88	3.07	2.14	19.22	18.56	5.21	0.70	179252
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.94	2.72	2.24	17.90	15.90	4.97	0.82	1651475

ग्रनावत्ता :: बोकारो

BLEND

फाईब्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	61.99	3.65	2.70	6.61	33.32	6.35	0.74	4170000
APP 19-20	62.30	3.31	2.73	5.00	31.88	6.05	0.83	4751000
Apr-19	61.93	3.77	2.59	6.24	32.92	6.37	0.69	438676
May-19	61.60	3.98	2.96	6.70	33.77	6.94	0.74	359616
Jun-19	61.62	3.83	3.00	6.65	34.74	6.84	0.78	387573
Jul-19	61.40	4.32	2.86	6.70	34.89	7.18	0.66	349911
Aug-19	61.63	4.27	2.63	7.08	33.45	6.90	0.62	333842
Sep-19	61.43	4.60	2.59	6.94	32.43	7.19	0.56	288741
Oct-19	61.35	4.75	2.61	6.70	32.47	7.36	0.55	347254
Nov-19	61.52	4.61	2.53	7.31	33.86	7.14	0.55	303977
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.53	4.24	2.73	6.76	33.57	6.96	0.64	2809590

ग्रनावत्ता:: दूर्गापूर

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.32	2.94	1.87	21.89	14.50	4.81	0.64	1408030
APP 19-20	62.50	2.83	2.45	10.00	10.00	5.28	0.87	1720000
Apr-19	63.22	1.75	2.00	21.81	13.91	3.75	1.14	107785
May-19	62.08	2.95	1.84	17.51	13.40	4.79	0.62	111280
Jun-19	62.45	3.06	1.95	21.15	12.39	5.01	0.64	138970
Jul-19	60.31	5.87	1.77	25.02	11.26	7.63	0.30	105105
Aug-19	60.60	4.68	1.83	28.70	9.63	6.51	0.39	134030
Sep-19	61.65	3.09	2.04	31.22	11.44	5.14	0.66	105300
Oct-19	62.29	3.13	1.90	22.47	12.85	5.03	0.61	105235
Nov-19	61.66	4.35	2.24	14.74	12.78	6.58	0.51	127140
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.77	3.65	1.96	22.69	12.15	5.60	0.54	934845

ग्रनावत्ता:: दूर्गापूर

BLEND

फाईब्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.62	3.19	2.37	4.79	44.77	5.56	0.74	2538767
APP 19-20	62.48	2.96	2.77	5.00	32.20	5.73	0.94	2681000
Apr-19	62.01	3.07	3.10	6.63	42.39	6.17	1.01	189194
May-19	62.39	3.19	2.45	6.29	44.54	5.64	0.77	259904
Jun-19	62.24	3.52	2.53	7.02	44.93	6.05	0.72	240565
Jul-19	61.64	4.76	2.44	6.71	43.19	7.20	0.51	223860
Aug-19	61.74	4.00	2.40	7.98	40.79	6.39	0.60	220415
Sep-19	62.26	3.23	2.28	8.50	40.18	5.51	0.71	172770
Oct-19	62.54	3.87	2.19	5.46	42.28	6.06	0.57	205465
Nov-19	61.57	3.91	3.03	6.62	41.57	6.94	0.77	225940
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.05	3.71	2.55	6.86	42.62	6.26	0.69	1738113

गुणवत्ता :: राउरकेला

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.84	2.99	2.60	14.29	19.37	5.59	0.87	2462000
APP 19-20	62.67	2.70	2.47	7.94	10.00	5.16	0.91	2090000
Apr-19	62.82	3.02	2.53	15.82	18.42	5.55	0.84	206741
May-19	62.80	2.61	2.99	16.81	19.24	5.61	1.15	230306
Jun-19	62.81	2.92	2.74	15.62	19.54	5.66	0.94	179032
Jul-19	62.74	3.45	2.31	18.08	17.12	5.76	0.67	215981
Aug-19	62.16	4.28	2.33	17.78	19.33	6.61	0.54	156730
Sep-19	62.07	4.73	1.98	17.17	21.56	6.71	0.42	145874
Oct-19	61.83	5.16	1.97	14.22	21.79	7.12	0.38	196038
Nov-19	62.73	2.77	2.80	8.74	17.68	5.57	1.01	235584
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.61	3.27	2.63	15.78	19.06	5.90	0.81	1566286

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.97	3.14	2.04	22.50	2.50	5.18	0.65	1160000
APP 19-20	62.58	2.77	2.30	10.00	10.00	5.06	0.83	1525000
Apr-19	63.31	2.92	2.44	8.28	4.02	5.35	0.84	86829
May-19	62.96	3.67	2.26	11.43	4.99	5.94	0.62	80280
Jun-19	64.09	2.28	1.96	23.14	4.59	4.24	0.86	60360
Jul-19	63.67	3.02	1.67	23.75	5.65	4.68	0.55	101158
Aug-19	63.04	3.82	1.76	29.30	6.80	5.57	0.46	112920
Sep-19	62.53	4.59	1.76	19.42	11.42	6.35	0.38	70740
Oct-19	62.83	4.51	1.77	15.69	11.94	6.28	0.39	82200
Nov-19	61.30	5.60	2.09	21.09	7.64	7.68	0.37	91180
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.90	3.87	1.96	19.52	7.09	5.83	0.51	685667

गुणवत्ता :: राउरकेला

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.19	3.21	2.62			5.83	0.82	2764000
APP 19-20	62.34	3.38	2.63	5.00	32.66	6.01	0.78	4704000
Apr-19	62.28	3.20	2.55			5.75	0.80	374287
May-19	62.24	2.92	2.86			5.77	0.98	400258
Jun-19	62.09	3.21	2.79			6.00	0.87	291317
Jul-19	61.80	4.01	2.41			6.42	0.60	296807
Aug-19	61.25	5.06	2.21			7.26	0.44	245733
Sep-19	61.40	4.86	2.16			7.02	0.45	268561
Oct-19	61.04	5.55	2.06			7.62	0.37	347406
Nov-19	62.24	3.09	2.82			5.91	0.91	356055
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	61.84	3.90	2.50			6.41	0.64	2580424

गुणवत्ता :: बर्नपुर इस्पात संयंत्र

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 18-19	62.28	3.76	2.84	6.57	43.68	6.60	0.76	2760000
APP 19-20	62.50	2.97	2.73	5.00	36.91	5.70	0.92	3184000
Apr-19	62.43	3.66	3.07	6.59	50.09	6.73	0.84	173135
May-19	62.92	3.70	2.44	7.87	41.98	6.14	0.66	196080
Jun-19	62.99	3.33	2.45	9.68	38.93	5.78	0.73	293700
Jul-19	63.13	3.47	2.11	6.87	41.25	5.58	0.61	273411
Aug-19	62.33	4.25	2.36	7.31	41.39	6.61	0.56	284340
Sep-19	62.64	4.20	1.96	7.92	40.06	6.16	0.47	255960
Oct-19	62.45	4.67	2.08	6.72	45.71	6.75	0.44	219240
Nov-19	61.51	5.09	2.56	6.45	46.14	7.66	0.50	257727
Dec-19								
Jan-20								
Feb-20								
Mar-20								
CUMML	62.55	4.05	2.35	7.49	42.80	6.40	0.58	1953593

तुलसीदामर

BF DOLOMITE

गुणवत्ता :: बोकारो इस्पात संयंत्र

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 18-19	28.68	18.79	5.17	5.05	9.06
APP 19-20	30.00	18.00	5.00	5.00	10.00
Apr-19	26.91	17.50	5.22	4.10	7.93
May-19	25.18	17.65	4.83	4.30	8.30
Jun-19	26.74	17.60	5.94	3.93	7.25
Jul-19	26.49	18.40	5.40	4.75	7.88
Aug-19	26.47	17.99	5.96	4.68	9.05
Sep-19					
Oct-19	28.74	16.32	5.15	5.50	8.72
Nov-19	26.96	15.92	6.06	13.90	8.55
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	27.02	17.44	5.53	5.33	8.20

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 18-19	43.69	2.42	3.53	6.85	22.69
APP 19-20	50.00	2.25	3.50	5.00	5.00
Apr-19	44.23	2.17	3.39	10.16	14.07
May-19	42.58	2.81	3.42	10.98	15.28
Jun-19	43.23	3.82	3.54	9.03	18.40
Jul-19	44.14	3.93	3.61	12.77	14.68
Aug-19	44.27	3.96	3.54	10.77	16.23
Sep-19	42.69	4.61	3.45	8.45	24.66
Oct-19	43.80	4.36	3.77	10.77	17.73
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML					

तुलसीदामर

BF DOLOMITE

गुणवत्ता :: भिलाई इस्पात संयंत्र

कुटेश्वर

BF LST

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 18-19	28.53	17.64	8.24	33.8	9.24
APP 19-20	30.00	18.00	5.00	5.00	10.00
Apr-19	28.84	18.19	7.38	20.84	10.39
May-19	28.46	17.85	8.02	26.50	13.50
Jun-19	42.69	4.61	3.45	8.45	24.66
Jul-19	28.76	18.35	7.30	27.03	9.87
Aug-19					
Sep-19					
Oct-19	27.92	17.89	7.65	35.30	15.55
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	28.13	18.27	7.54	28.63	14.13

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 18-19	49.83	2.26	3.9	9.19	18.3
APP 19-20	50.00	2.25	3.50	5.00	5.00
Apr-19	50.13	2.04	3.84	8.10	16.00
May-19	49.09	2.51	4.18	8.66	15.94
Jun-19	50.37	1.95	3.68	8.93	12.33
Jul-19	50.40	1.85	3.79	8.80	23.00
Aug-19	50.40	1.85	3.79	8.80	23.00
Sep-19	49.81	2.27	3.78	9.40	20.40
Oct-19	49.28	2.61	3.96	9.90	19.50
Nov-19					
Dec-19					
Jan-20					
Feb-20					
Mar-20					
CUMML	49.88	2.21	3.82	8.84	18.20



PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Nov-19	MAKE / TYPE	CAP	DATE OF COMMISSION	November-19										2019-2020												
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR			
<b>EXCAVATORS [4]</b>																												
BE-18	23133	23133	BEML,BE-1000	4.5CU.M	31-Jul-08	600	600										4880	4880										
EX-20	24918	26521	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	600		302	600	298	100.0	49.7	49.7	4.14	59.56	4880	699	2578	4181	1603	85.7	38.3	32.8	5.51	68.96			
EX-22	14347	17129	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	600		234	600	366	100.0	61.0	61.0	4.73	63.93	4880	107	1992	4774	2782	97.8	58.3	57.0	5.61	65.15			
EX-23	15098	17899	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	600	46	333	554	221	92.3	39.9	36.8	5.53	73.08	4880	233	1846	4647	2801	95.2	60.3	57.4	5.05	62.00			
					TOTAL	1800	46	869	1754	885	97.4	50.5	49.2	4.73	64.75	14640	1039	6416	13602	7186	92.9	52.8	49.1	5.37	64.77			
<b>DUMPERS [8]</b>																												
DUM-82	26594	26594	BEML,210M	50Te	13-Apr-04											-	-	3060	3060									
DUM-84	24408	24408	BEML,210M	50Te	6-Apr-07											-	-	3060	3060									
DUM-85	21444	21444	BEML,210M	50Te	6-Apr-07											-	-	3060	3060									
DUM-86	21914	21914	BEML,210M	50Te	10-Jul-07											-	-	3060	3060									
					TOTAL													12240	12240									
DUM-87	13614	13802	BEML,BH-85	85Te	30-Mar-08	600	600									-	-	4260	3461	611	799	188	18.8	23.5	4.4	4.39	43.94	
DUM 88	29181	30787	KOMATSU HD785-7	100 Te	23-Jul-10	600	244	174	356	182	59.3	51.1	30.3	3.49	39.01	4880	2070	1204	2810	1606	57.6	57.2	32.9	3.40	39.88			
DUM 89	34269	35775	KOMATSU HD785-7	100Te	23-Jul-10	600	175	189	425	236	70.8	55.5	39.3	3.04	41.74	4880	1772	1602	3108	1506	63.7	48.5	30.9	3.61	38.41			
DUM-91	18341	19031	CAT 777D	100T	2-Feb-12	600	131	397	469	72	78.2	15.4	12.0	5.32	44.44	4880	1161	3029	3719	690	76.2	18.6	14.1	4.95	46.49			
DUM-92	20471	21496	CAT 777D	100T	2-Feb-12	600	26	480	574	94	95.7	16.4	15.7	5.34	48.40	4880	1355	2500	3525	1025	72.2	29.1	21.0	4.16	39.31			
DUM-93	8194	10197	BEML BH-100	100T	2-May-15	600	348	192	252	60	42.0	23.8	10.0	2.40	55.83	4880	852	2025	4028	2003	82.5	49.7	41.0	3.34	45.65			
DUM-94	6521	8507	BEML BH-100	100T	2-May-15	600	30	249	570	321	95.0	56.3	53.5	3.22	45.33	4880	824	2070	4056	1986	83.1	49.0	40.7	3.53	45.59			
DUM-95	5381	6473	BEML BH-100S	100T	May 2016	600	28	349	572	223	95.3	39.0	37.2	3.48	45.29	4880	762	3026	4118	1092	84.4	26.5	22.4	5.15	45.78			
					TOTAL	4200	982	2030	3218	1188	76.6	36.9	28.3	3.53	44.36	34160	8796	15456	25364	9908	74.3	39.1	29.0	3.83	43.02			
<b>DRILL [4]</b>																												
DM-17	22677	23071	IR-ROTACOL-IDM-30	160mm	24-Mar-05	480	281	145	199	54	41.5	27.1	11.3	7.17	29.63	3904	2254	1257	1651	394	42.3	23.8	10.1	8.94	36.34			
DM-18	25867	26680	AC-ROTACOL-IDM-30	160mm	19-May-08	480	335	95	145	50	30.2	34.5	10.4	9.80	26.00	3904	1445	1646	2459	813	63.0	33.1	20.8	9.64	28.67			
DM-19	18828	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	480	480										3904	3904										
DM-20	10441	11813	AC-ROTACOL-IDM-30	160mm	Oct '14	480	119	204	362	158	75.3	43.6	32.8	8.93	34.60	3904	662	1871	3243	1372	83.1	42.3	35.1	9.63	28.67			
					TOTAL	1920	1215	444	706	262	36.7	37.1	13.6	8.73	31.93	15616	8264	4774	7352	2579	47.1	35.1	16.5	9.53	29.84			
<b>DOZER [6]</b>																												
DOZ-29	18180	18180	BEML, D-355	410HP	11-Jun-04	480	480									-	-	3904	3408	496	496		12.7					
DOZ-30	21843	21866	BEML, D-355	410HP	8-Jul-07	480	480									-	-	3904	3380	501	524	23	13.4	4.4	0.6	54.35		
DOZ-31	19778	20223	BEML, D-355	410 HP	19-Feb-09	480	352	106	128	22	26.7	17.2	4.6		18.18	3904	1666	1793	2238	446	57.3	19.9	11.4		34.57			
DOZ-32	6614	6939	BEML, D-355	410 HP	17-Apr-15	480	8	418	472	54	98.3	11.4	11.3		60.19	3904	1881	1698	2023	325	51.8	16.1	8.3		41.85			
DOZ-33	4439	5991	BEML, D-356	410HP	22-Sep-17	480	36	273	444	172	92.5	38.6	35.7		37.61	3904	630	1722	3274	1552	83.9	47.4	39.8		37.50			
DOZ-34	630	2393	BEML, D-356	410HP	31-Dec-18	480		274	480	207	100	43.0	43.0			33.66	3904	293	1848	3611	1763	92.5	48.8	45.2		34.43		
					TOTAL	2880	1356	1070	1524	454	52.9	29.8	15.8		38.44	23424	11258	8058	12166	4109	51.9	33.8	17.5		36.30			
<b>PAY LOADER [1]</b>																												
FEL-4	12729	13269	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	240		100	240	140	100.0	58.3	58.3		16.43	1960	432	988	1528	540	78.0	35.3	27.6		15.05			
<b>MPTOR GRADER [3]</b>																												
MG-7	6322	6322	BEML, BG825	280HP	10-Jul-91	240		240	240		100				-	-	1952	1416	536	536		27.46						
MG-8	3088	3137	BEML, BG825	280HP	19-May-12	240		240	240		100				-	-	1952	269	1634	1683	49	86.22	2.91	2.51		29.59		
MG-9	313	313	BEML, BG825	280HP	5-Mar-19	240	3	192	237	45	98.75	18.99	18.75		17.78	1952	67	1573	1885	313	96.6	16.58	16.01		20.48			
					TOTAL	720	3	672	717	45	99.58	6.28	6.25		17.78	5856	1752	3743	4104	362	70.08	8.81	6.17		21.72			
<b>WATER TANKER [3]</b>																												
WT-83	20855	20862	BEML, WS-28-2	28KL	21-Mar-05	600	600								-	-	4880	4873		7	7	0.1	100.0	0.1				
WT-90	12967	13380	BEML, WS-28-2	28KL	Mar '11	600	29	536	571	35	95.2	6.1	5.8		45.71	4880	651	3817	4229	413	86.7	9.8	8.5		30.88			
WT-96	248	705	BEML, WS-28-2	28KL	17-Feb-19	600		509	600	91	100																	

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Nov-19	MAKE / TYPE	CAPACITY	DATE OF COMM	November-19											2019-2020										
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	F/RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	F/RAT E	HSD/ HR		
<b>EXCAVATORS 4.5 CUM. [ 1 ]</b>																											
BE-11	36959	37305	BEML	4.5 CUM	30-09-2005	720	220	224	500	277	69.4	55.3	38.4	0.2	25	5856	4949	561	907	346	15.5	38.1	5.9	0.2	25		
<b>EXCAVATORS 9.5 CUM. [ 3 ]</b>																											
PC-14	31444	34265	KOMATSU	9.5 CUM	20-01-2012	720	108	251	613	362	85.1	59.1	50.3	6.6	81	5856	1066	1970	4791	2821	81.8	58.9	48.2	6.8	86		
PC-17	16137	18915	KOMATSU	9.5 CUM	24-07-2015	720	122	207	599	392	83.1	65.5	54.4	7.2	81	5856	1298	1780	4558	2778	77.8	60.9	47.4	6.8	86		
PC-18	29267	31324	KOMATSU	9.5 CUM	11-07-2016	720	323	196	398	202	55.2	50.8	28.1	6.4	82	5856	1582	2217	4274	2057	73.0	48.1	35.1	6.9	87		
						TOTAL	2160	552	653	1609	956	74.5	59.4	44.3	6.8	81	17568	3946	5967	13623	7656	77.5	56.2	43.6	6.8	86	
<b>DUMPER,50 TE [ 2 ]</b>																											
D - 49	28071	28177.5	BEML	50 TON	05-03-2007	720	692	18	28	10	3.9	35.7	1.4	0.5	20	5856	5117	633	739	107	12.6	14.4	1.8	0.6	23		
D - 50	23971	23971	BEML	50 TON	15-04-2007	720	720							-	-	5856	5856						-	-			
						TOTAL	1440	1412	18	28	10	1.9	35.7	0.7	0.5	20	11712	10973	633	739	107	6.3	14.4	0.9	0.6	23	
<b>DUMPER,100 TE [ 7 ]</b>																											
D - 51	29346	32109	KOMATSU	100 TON	01-09-2010	720	295	153	425	272	59.0	64.0	37.8	4.1	34	5856	1622	1472	4235	2763	72.3	65.2	47.2	3.9	38		
D - 52	30670	33044	KOMATSU	100 TON	01-09-2010	720	97	223	623	400	86.5	64.2	55.6	4.2	32	5856	2086	1396	3770	2374	64.4	63.0	40.5	4.0	39		
D - 53	29377	32326	KOMATSU	100 TON	01-09-2010	720	140	216	581	365	80.6	62.9	50.7	4.1	35	5856	1401	1507	4456	2949	76.1	66.2	50.4	3.9	38		
D - 54	15343	15869	CATER	100 TON	06-02-2012	720	125	421	595	174	82.6	29.2	24.2	3.7	35	5856	3774	1557	2083	526	35.6	25.3	9.0	3.7	42		
D - 55	17913	19215	CATER	100 TON	06-02-2012	720	205	390	515	125	71.5	24.3	17.4	3.4	33	5856	1085	3469	4771	1302	81.5	27.3	22.2	3.7	44		
D - 56	7648	9781	BEML	100 TON	09-05-2016	720	240	318	480	162	66.7	33.8	22.5	4.2	35	5856	1562	2161	4294	2133	73.3	49.7	36.4	3.8	42		
D - 57	7846	9424	BEML	100 TON	09-05-2016	720	157	430	563	133	78.2	23.6	18.5	4.0	34	5856	1497	2782	4360	1578	74.4	36.2	26.9	3.6	43		
						TOTAL	5040	1259	2151	3782	1631	75.0	43.1	32.4	4.0	34	40992	13025	14342	27967	13625	68.2	48.7	33.2	3.8	40	
<b>DRILL [ 4 ]</b>																											
DM - 7	24127	24825	IR	6 " DIA	01-04-2005	360	70	85	290	206	80.6	70.9	57.1	4.3	35	2928	1451	779	1477	698	50.4	47.3	23.8	4.5	33		
DM - 8	21406	22909	IR	6 " DIA	05-05-2008	360	78	101	283	182	78.5	64.4	50.6	10.6	35	2928	696	729	2232	1503	76.2	67.3	51.3	9.2	34		
DM - 9	19933	21387	IR	6 " DIA	16-09-2009	360	163	105	198	93	54.9	46.8	25.7	7.7	35	2928	765	709	2164	1455	73.9	67.2	49.7	10.9	34		
DM - 10	12394	14020	IR	6 " DIA	06-11-2014	360	94	68	266	199	73.9	74.6	55.1	7.8	36	2928	669	634	2260	1626	77.2	72.0	55.5	11.0	34		
						TOTAL	1440	404	358	1036	679	71.9	65.5	47.1	7.5	35	11712	3580	2851	8132	5282	69.4	64.9	45.1	9.6	34	
<b>DOZER [ 7 ]</b>																											
DOZ-23	21979	22218	BEML	410 HP	02-10-2008	720	720									-	5856	4518	1100	1338	239	22.8	17.8	4.1		33	
DOZ-24	18151	19351	BEML	410 HP	06-04-2010	720	195	323	525	202	72.9	38.5	28.1		33	5856	1981	2675	3875	1200	66.2	31.0	20.5		33		
DOZ-25	8260	8912	BEML	410 HP	28-12-2010	720	182	425	538	113	74.7	21.0	15.7		36	5856	2388	2817	3469	652	59.2	18.8	11.1		34		
DOZ-26	16680	17131	BEML	410 HP	16-05-2011	720	720									-	5856	3897	1508	1959	451	33.5	23.0	7.7		35	
DOZ-27	9666	10112	BEML	410 HP	28-04-2015	720	262	378	459	81	63.7	17.6	11.2		34	5856	2487	2924	3370	446	57.5	13.2	7.6		34		
DOZ-28	3029	4166	BEML	410HP	31-03-2018	720	231	299	489	190	67.9	38.9	26.4		33	5856	1231	3488	4625	1138	79.0	24.6	19.4		34		
DOZ-29	519	2492	BEML	410HP	19-12-2018	720	196	317	524	208	72.8	39.6	28.8		35	5856	1333	2550	4523	1973	77.2	43.6	33.7		33		
						TOTAL	5040	2506	1742	2535	793	50.3	31.3	15.7		34	40992	17834	17061	23158	6098	56.5	26.3	14.9		34	
<b>PAY LOADER [ 1 ]</b>																											
PL - 03	3985		HYUNDAI	3.7 CU.M	18-09-2012	720	501	169	219	50	30.4	22.8	6.9		24	5856	3914	1346	1942	596	33.2	10.2	30.7				
<b>BACK HOE [ 3 ]</b>																											
BE-12A	22015	23207	BEML	1.2 CUM	Nov'08	720	275	325	446	121	61.9	27.2	16.8		22	5856	2947	1717	2910	1193	49.7	41.0	20.4		23		
HT-15	18637	20646	TCECL	1.5 CUM	03-10-2012	720	307	143	414	271	57.4	65.5	37.6		24	5856	1977	1870	3880	2010	66.2	51.8	34.3		24		
HT-16	12349	13526	TCECL	1.5 CUM	01-12-2014	720	449	136	271	135	37.6	49.8	18.8		22	5856	3605	1075	2252	1177	38.4	52.3	20.1		24		
						TOTAL	2160	1030	603	1130	527	52.3	46.6	24.4		23	17568	8528	4662	9041	4379	51.5	48.4	24.9		24	
<b>WATER TANKER [ 3 ]</b>																											
WT - 05	18960	19870	BEML	28 KL	15.02.07	720	500	167	220	53	30.6	24.1	7.4		22	5856	1734	3212	4122	911	70.4	22.1	15.5	0.6	23		
WT - 06	11002	11737	BEML	28 KL	17-08-2012	720	146	373	574	201	79.7	35.0	27.9		23	5856	2436	2686	3421	735	58.4	21.5	12.6	0.5	23		

## BOLANI ORE MINES

## Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Nov-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	November-19										2019-2020											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR		
<b>EXCAVATORS [ 6 ]</b>																											
EX-25	33609	33617	BEML PC-1000(D)	4.5 CuM	21-Jun-04	Survey off on 1st July-22										2184	2176	8	8	0.37	100.00	0.37					
EX-26	31002	31489	BEML PC-1000(D)	4.5 CuM	24-Jun-05	720	29	645	691	46	96.0	6.7	6.4	3.46	36.3	5856	807	4563	5050	487	86.23	9.64	8.32	1.44	37.59		
						SUB TOTAL	720	29	645	691	46	96.0	6.7	6.4	3.46	36.3	8040	2983	4563	5058	495	62.90	9.79	6.16	1.42	36.99	
EX-28	15660	15865	BE-1600	7.5 Cu.m	22-Jun-10	720	678	41	42	1	5.8	2.4	0.1	8.00		5856	4361	1289	1495	206	25.53	13.76	3.51	1.29	57.04		
EX-29	25506	27589	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	720	42	381	678	297	94.2	43.8	41.3	4.78	80.5	5856	826	2947	5030	2083	85.90	41.42	35.58	4.76	78.94		
EX-30	15028	17504	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	720	12	432	708	276	98.3	39.0	38.3	5.26	72.9	5856	422	2958	5434	2476	92.79	45.57	42.28	5.03	75.47		
EX-31	13363	15769	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	720	34	384	686	302	95.3	44.0	41.9	6.01	75.5	5856	402	3048	5454	2406	93.13	44.12	41.09	5.38	77.45		
						SUB TOTAL	2880	766	1238	2114	876	73.4	41.4	30.4	5.36	76.3	23424	6011	10241	17413	7171	74.34	41.18	30.62	4.96	76.61	
						TOTAL	3600	795	1883	2805	922	77.9	32.9	25.6	5.26	74.3	31464	8994	14804	22470	7666	71.42	34.12	24.37	4.73	74.06	
<b>DUMPER,50 TE [ 2 ]</b>																											
HP-30	17659	17659	C.I.773D(I)	50 T	01-Mar-06	720	720								-	-	5856	5800	56	56		0.96					
HP-32	23497	23951	BEML BH-50M	50 T	06-Mar-08	720	40	646	680	34	94.4	5.0	4.7	4.68	15.6	5856	1626	3777	4231	454	72.24	10.73	7.75	0.98	16.42		
						TOTAL	1440	760	646	680	34	47.2	5.0	2.4	4.68	15.6	11712	7426	3833	4287	454	36.60	10.59	3.88	0.98	16.42	
<b>DUMPER,100 TE [ 8 ]</b>																											
HP-32A	29825	30890	KOMATSU HD785-7	100 T	22-Jun-10	720	720								-	-	5856	4168	624	1688	1064	28.83	63.04	18.17	3.58	35.77	
HP-34	26579	27528	KOMATSU HD785-7	100 T	22-Jun-10	720	137	215	583	368	81.0	63.1	51.1	3.42	42.5	5856	4210	697	1646	949	28.11	57.65	16.21	3.48	34.51		
HP-35	15842	16705	BEML BH-100	100 T	22-Jun-10	720	95	524	625	101	86.8	16.2	14.0	3.34	34.3	5856	2076	2916	3780	864	64.54	22.85	14.75	2.20	24.26		
HP-36	11757	12141	BEML BH-100	100 T	22-Jun-10	720	368	325	352	27	48.9	7.7	3.8	1.48	21.3	5856	3246	2226	2610	384	44.56	14.70	6.55	1.24	15.67		
HP-37	19607	21898	CAT 777D	100 T	25-Jan-12	720	18	336	702	366	97.5	52.1	50.8	3.33	37.3	5856	1231	2334	4625	2291	78.98	49.54	39.13	3.43	32.20		
HP-38	8907	11547	BEML BH-100S	100 T	03-May-16	720	100	305	620	315	86.1	50.8	43.8	3.21	38.4	5856	626	2590	5230	2640	89.31	50.48	45.08	3.33	33.54		
HP-39	8614	10295	BEML BH-100S	100 T	03-May-16	720	401	212	319	107	44.3	33.5	14.9	3.89	41.5	5856	2304	1870	3552	1681	60.65	47.34	28.71	3.51	32.98		
HP-40	9440	10305	BEML BH-100S	100 T	03-May-16	720	715	1	5	4	0.7	80.0	0.6	3.00	32.5	5856	4067	924	1789	865	30.55	48.36	14.78	3.08	38.53		
						TOTAL	5760	2554	1918	3206	1288	55.7	40.2	22.4	3.33	38.8	46848	21929	14181	24919	10739	53.19	43.09	22.92	3.23	32.49	
<b>DRILL [ 4 ]</b>																											
DM-11	17159	17987	AC-ROTACOL-IDM-30	160mm	14-Feb-08	480	154	264	326	62	67.9	19.0	12.9	9.39	42.5	3904	1499	1576	2405	829	61.59	34.46	21.22	11.96	35.64		
DM-12	17912	18722	AC-ROTACOL-IDM-30	160mm	12-Aug-09	480	78	272	402	130	83.8	32.3	27.1	18.58	27.9	3904	1166	1929	2739	809	70.15	29.55	20.73	14.00	32.93		
DM-12A	16453	17124	AC-ROTACOL-IDM-30	160mm	22-Mar-11	480	242	162	238	76	49.6	31.9	15.8	9.76	41.6	3904	862	2370	3042	671	77.91	22.07	17.20	12.49	34.70		
DM-14	9768	11318	AC-ROTACOL-IDM-30	160mm	19-Nov-14	480	51	242	429	187	89.4	43.6	39.0	12.53	43.7	3904	517	1837	3388	1550	86.77	45.76	39.71	14.49	36.64		
						TOTAL	1920	525	940	1395	455	72.7	32.6	23.7	13.37	38.7	15616	4044	7713	11572	3859	74.10	33.35	24.71	13.50	35.31	
<b>DOZER [ 8 ]</b>																											
DOZ-22	16080	16088	BEML BD355	410 HP	06-Jul-07	480	480								-	-	3904	3888	8	16	8	0.4	50.0	0.2			
DOZ-23	12013	12454	BEML BD355	410 HP	27-Aug-08	480	83	299	397	98	82.7	24.7	20.4		20.4	46.7	3904	2428	1035	1476	441	37.8	29.9	11.3		29.6	
DOZ-24	13560	13690	BEML BD355	410 HP	09-Mar-10	480	480								-	-	3952	3350	472	602	130	15.2	21.6	3.3		24.2	
DOZ-25	11535	12284	BEML BD355	410 HP	09-Mar-10	656	24	546	632	86	96.3	13.6	13.1			54.1	4552	1516	2287	3036	749	66.7	24.7	16.5		46.0	
DOZ-26	7962	8670	BEML BD355	410 HP	03-May-14	480	456	8	24	16	5.0	66.7	3.3			4056	2061	1286	1995	709	49.2	35.5	17.5		34.1		
DOZ-27	6542	7284	BEML BD355	410 HP	03-May-14	648	396	193	252	59	38.9	23.4	9.1			45.8	5048	1108	3199	3941	742	78.1	18.8	14.7		50.7	
DOZ-28	6479	7390	BEML BD355	410 HP	26-Apr-16	720	204	418	516	98	71.7	19.0	13.6			46.8	5688	1101	3676	4587	912	80.6	19.9	16.0		41.0	
DOZ-29		1488	BEML BD355	410 HP	15-Apr-19	488	19	201	469	268	96.1	57.1	54.9			29.0	3920	215	2217	3705	1488	94.5	40.2	38.0		34.5	
						TOTAL	4432	2142	1665	2290	625	51.7	27.3	14.1			38.9	35024	15667	14179	19357	5178	55.3	26.8	14.8		38.9
<b>PAY LOADER [ 3 ]</b>																											
PL-20	14405	14771	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	720	136	400	584	184	81.1	31.5	25.6			21.6	5856	3851	1639	2005	366	34.24	18.26	6.25		23.66	
PL-22	10573	10573	Hyundai-hl770-7A	280 HP	26-May-10	720	720								-	-	5856	5856									
PL-23	9742	12055	Kawasaki, 90ZV	257 HP	07-Oct-15	720	22	395	698	303	96.9	43.4	42.1			24.5	5856	137	340								

## BARSUA IRON MINES

## Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar'19	UTILIS. UPTO Nov-19	MAKE / TYPE	CAP	DATE OF COMMISSION	November-19										2019-2020											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	FEED RATE	HSD/ HR		
<b>EXCAVATORS [ 6 ]</b>																											
EX-20	25868	26452	BEML,BE-1000	4.5 CuM	Mar-04	624	126	451	498	47	79.81	9.44	8	6.15	59.57	4392	613	3195	3779	584	86.0	15.5	13.3	5.41	45.6		
EX-22	19566	20469	BEML,BE-1000	4.5 CuM	22-Dec-08	624	149	241	475	234	76.12	49.26	38	7.73	52.35	4392	791	2698	3601	903	82.0	25.1	20.6	6.96	53.0		
EX-23	15937	15940	BEML, BE-1000	4.5CuM	18-Feb-10	624	337	286	287	1	45.99	0.35	0			150	4432	3997	432	435	3	9.8	0.7	0.1		350.0	
EX-27	2175	3716	BEML, BE-1000-1	4.5 CuM	19-Dec-17	624	75	316	549	233	87.98	42.44	37	7.67	64.38	4392	503	2348	3889	1541	88.5	39.6	35.1	7.16	62.8		
					TOTAL	2496	412	602	2084	1482	83.49	71.11	59.38	2.62	20.38	17608	5904	8673	11704	3031	66.5	25.9	17.2	6.76	56.8		
EX-21	18158	18158	TELCON,1200V-1018	5.9 CuM	28-May-07	624	624							-	-	4392	4392										
EX-24	12701	13619	BEML, BE-1600	7.5CuM	04-Aug-11	624	520	72	104	32	16.67	30.77	5	7.69	60.94	4368	1858	1592	2510	918	57.5	36.6	21.0	6.74	70.6		
					TOTAL	6240	1756	1050	4484	3434	71.86	76.58	55.03	2.33	18.16	8760	6250	1592	2510	918	28.7	36.6	10.5	22.62	70.6		
<b>DUMPER,50 TE [ 5 ]</b>																											
HPD-90	16619	17285	BEML,210M	50T	1-Apr-05	624	90	439	534	95	85.58	17.79	15.22	3.08	32.11	4432	1325	2441	3107	666	70.1	21.4	15.0	2.91	33.0		
BH-93	24313	24399	BH-50 M	50T	1-Feb-08											3144	1512	1546	1632	86	51.9	5.3	2.7	4.86	45.9		
BH-94	22423	23342	BH-50 M	50T	22-Dec-08	624	86	449	538	89	86.22	16.54	14.26	2.83	30.57	4392	729	2744	3663	919	83.4	25.1	20.9	2.86	30.4		
BH-95	30907	31227	BH-50 M	50T	6-Feb-09	624	90	407	534	127	85.58	23.78	20.35	2.87	32.86	4368	2743	1305	1625	320	37.2	19.7	7.3	2.72	29.5		
BH-96	26092	26562	BH-50 M	50T	20-Aug-09	624	213	327	411	84	65.87	20.44	13.46	3.25	26.04	4368	2424	1474	1944	470	44.5	24.2	10.8	2.81	28.0		
BH-99	23409	23647	BH-50 M	50T	20-Feb-14	416	27	379	389	10	93.51	2.57	2.40			4736	174	4324	4562	238	96.3	5.2	5.0		23.6		
					TOTAL	2912	506	2001	2406	405	82.62	16.83	13.91	2.92	29.95	25440	8907	13834	16533	2699	65.0	16.3	10.6	2.65	30.4		
<b>DUMPER,60 TE [ 3 ]</b>																											
HPD-101	4393	6469	BEML,BH-60	60 T	16-Nov-17	624	384	144	240	96	38.46	40.00	15.38	2.84	51.50	4368	1073	1219	3295	2076	75.4	63.0	47.5	2.64	35.6		
HPD-102	4119	6538	BEML,BH-60	60 T	23-Nov-17	624	58	157	566	409	90.71	72.26	65.54	2.89	35.84	4392	730	1243	3662	2419	83.4	66.1	55.1	2.57	37.0		
HPD-103		2486	BEML,BH-60	60 T	08-May-19	624	69	153	555	402	88.94	72.43	64.42	2.89	32.46	4272	550	1236	3722	2486	87.1	66.8	58.2	2.56	33.4		
					TOTAL	1248	442	301	806	505	64.58	62.66	40.46	2.88	38.82	13032	2353	3698	10679	6981	81.9	65.4	53.6	1.68	35.3		
<b>DUMPER,100 TE [ 2 ]</b>																											
BH-97	10065	10132	BEML,BH-100	100 T	4-Aug-11	624	503	117	121	4	19.39	3.31	0.64	2.25	115	4368	3574	727	794	67	18.2	8.4	1.5	3.88	56.1		
BH-98	8133	8628	BEML,BH-100	100 T	04-Aug-11	624	66	436	558	122	89.42	21.86	19.55	2.66	47.34	4368	306	3567	4062	495	93.0	12.2	11.3	3.06	51.0		
					TOTAL	1248	569	553	679	126	54.41	18.56	10.10	2.64	49.49	8736	3880	4294	4856	562	55.6	11.6	6.4	3.15	51.6		
<b>DRILL [ 3 ]</b>																											
DM-7	23658	23690	AC - IDM-30	160mm	29-Jan-98	416	416									-	-	2912	2491	389	421	32	14.5	7.6	1.1	15.00	40.6
DM-9	9778	10091	AC - IDM-30	160mm	30-Sep-09	416	24	328	392	64	94.23	16.33	15.38	22.55	43.75	2912	557	2042	2355	313	80.9	13.3	10.7	18.75	40.3		
DM-10	5013	5610	AC - IDM-30	160mm	14-Jan-15	416	16	309	400	91	96.15	22.75	21.88	15.60	36.26	2912	338	1977	2574	597	88.4	23.2	20.5	16.74	37.7		
					TOTAL	1248	456	637	792	155	63.46	19.57	12.42	18.47	39.35	8736	3386	4408	5350	942	61.2	17.6	10.8	17.35	38.6		
<b>DOZER [ 6 ]</b>																											
TR-36 (B/V)	14105	14105	BEML,D-155A	320 HP	23-Apr-05	624	624									-	-	5088	5064	24	24		0.5				
TR-37	14937	16000	BEML,D-155A	320 HP	22-Jun-07	624	621		3	3	0.48	100	0.48			153	5112	1313	2736	3799	1063	74.3	28.0	20.8		38.2	
TR-38	15963	16483	BEML, D-355	410 HP	16-Feb-10	624	88	495	536	41	85.90	7.65	6.57			24.39	4368	637	3211	3731	520	85.4	13.9	11.9		29.9	
TR-39	10311	10457	BEML, D-355	410 HP	10-Apr-12	624	116	424	508	84	81.41	16.54	13.46			31.55	4368	2740	1482	1628	146	37.3	9.0	3.3		36.6	
TR-40	5567	6012	BEML, D-355	410 HP	6-Jun-14	624	57	517	567	50	90.87	8.82	8.01			52.00	4368	1034	2889	3334	445	76.3	13.3	10.2		42.5	
TR-9(K)		189	BEML, D-155	320 HP												624	42	433	582	149	93.27	25.60	23.88				
					TOTAL	3120	1506	1436	1614	178	51.73	11.03	5.71			37.70	24480	10841	11276	13639	2363	55.7	17.3	9.7		36.5	
<b>PAY LOADER [ 2 ]</b>																											
FEL-6	9566	10086	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	312	29	247	283	36	90.71	12.72	11.54			26.67	2544	305	1719	2239	520	88.0	23.2	20.4		19.2	
FEL-7	5982	6398	HYUNDAI	280 HP	27-Aug-11	312	30	204	282	78	90.38	27.66	25.00			21.49	2216	362	1438	1854	416	83.7	22.4	18.8		19.9	
					TOTAL	624	59	451	565	114	90.54	20.18	18.27			23.12	4760	667	3157	4093	936	86.0	22.9	19.7		19.5	
<b>MOTOR GRADER [ 1 ]</b>																											
MG-6	7237	7627	BEML bt 825	280HP	14-Sep-02	416	32	324	384	60	9																



EQUIPMENTS	UTILIS. UPTO Mar'19	UTILIS. UPTO Nov-19	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	November-19										2019-2020											
						SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD /HR		
<b>EXCAVATORS[4]</b>																											
D-12A	18064	18064	BE 1000(D)	4.5 CuM	27-Apr-08	720	720								-	-	5856	5856									
D-12	10821	11566	BE 1600	7.5 CuM	16-Feb-11	720	720								-	-	5856	4072	1039	1784	745	30.5	41.8	12.7	3.9	57.7	
D-14	25243	28391	KOMATSU	9.5 CuM	06-Apr-12	720	206	245	514	269	71.4	52.3	37.4	3.0	89.2	5856	1015	1693	4841	3148	82.7	65.0	53.8	5.5	90.6		
D-15	19415	21420	KOMATSU	9.5 CuM	31-Aug-15	720	169	186	551	365	76.5	66.2	50.7	4.9	60.3	5856	2518	1333	3338	2005	57.0	60.1	34.2	4.3	75.2		
D-16		532	LIEBHERR	9.5 CuM	30-Sep-19	720	126	293	594	301	82.5	50.7	41.8	3.9	79.7	1464	234	698	1230	532	84.0	43.3	36.3	4.4	77.1		
						TOTAL	2880	1221	724	1659	935	57.6	56.4	32.5	4.0	74.9	19032	7839	4763	11193	6430	58.8	57.4	33.8	4.8	80.8	
<b>DUMPER,50 TE[3]</b>																											
R/D-85	18557	18561	BEML-BH-50M	50 Te	Mar- 08	720	720								-	-	5856	5837	15	19	4	0.3	21.1	0.1		50.0	
R/D-86	20058	20060	BEML-BH-50M	50Te	Sep-08	720	720								-	-	5856	5837	17	19	2	0.3	10.5	0.0		166.5	
R/D-87	17443	17443	BEML-BH-50M	50Te	Dec-08	720	720								-	-	5856	5856									
						TOTAL	2160	2160										17568	17530	32	38	6	0.2	15.8	0.0		88.8
<b>DUMPER,100 TE[6]</b>																											
R/D-88	23684	23694	KOMAT.HD785-7	100 T	10-Sep-10	720	720								-	-	5856	5837	9	19	10	0.3	52.6	0.2	0.8	84.6	
R/D-89	28005	31276	KOMAT.HD785-7	100 T	10-Sep-10	720	189	76	531	455	73.8	85.7	63.2	3.0	46.2	5856	1957	628	3899	3271	66.6	83.9	55.9	2.4	52.0		
R/D-90	18166	21179	CAT 777D	100 T	25-Jan-12	720	276	85	444	359	61.7	80.9	49.9	3.0	45.7	5856	1981	862	3875	3013	66.2	77.8	51.5	2.6	49.9		
R/D-91	15754	17678	CAT 777D	100 T	25-Jan-12	720	201	57	519	462	72.1	89.0	64.2	2.7	48.3	5856	3340	592	2516	1924	43.0	76.5	32.9	2.4	53.4		
R/D-92	11283	12826	BEML- BH 100	100 T	27-May-15	720	680	4	40	36	5.6	90.0	5.0	2.5	41.7	5856	3614	699	2242	1543	38.3	68.8	26.3	3.2	58.3		
R/D-93	10157	12298	BEML- BH 100	100 T	10-Jun-15	720	720								-	-	5856	2983	732	2873	2141	49.1	74.5	36.6	2.7	57.9	
						TOTAL	4320	2786	222	1534	1312	35.5	85.5	30.4	2.9	46.6	35136	19712	3522	15424	11902	43.9	77.2	33.9	2.6	53.6	
<b>DRILL[4]</b>																											
DM-10	16316	17380	IR-ROTACOL-IDM-30	160mm	Feb- 04	480	69	242	411	169	85.6	41.1	35.2	22.0	24.9	3904	1818	1022	2086	1064	53.4	51.0	27.3	18.0	36.1		
DM-12A	8475	8767	AC-ROTACOL-IDM-30	160mm	Sep-08	480	80	265	400	135	83.3	33.8	28.1	17.9	28.1	3904	3201	411	703	292	18.0	41.5	7.5	8.9	41.2		
DM-14	14244	14805	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	480	480								-	-	3904	2498	845	1406	561	36.0	39.9	14.4	17.0	43.1	
DM-15	6836	7313	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	480	480								-	-	3904	3000	427	904	477	23.2	52.8	12.2	17.9	38.6	
						TOTAL	1920	1109	507	811	304	42.2	37.5	15.8	20.2	26.3	15616	10517	2705	5099	2394	32.7	47.0	15.3	16.6	38.9	
<b>DOZER[6]</b>																											
DOZ-21	17420	17420	BEML D-355	410 HP	May- 03	720	720								-	-	4632	4632									
DOZ-22	16129	18655	BEML D-355	410 HP	Feb-04	720	242	369	478	109	66.4	22.8	15.1		24.6	4632	1388	718	3244	2526	70.0	77.9	54.5		29.8		
DOZ-23	15463	16387	BEML D-355	410 HP	May-08	720	720								-	-	4632	3127	581	1505	924	32.5	61.4	19.9		28.1	
DOZ-24	13701	14251	BEML D-355	410 HP	Sep-08	720	720								-	-	4782	3610	622	1172	550	24.5	46.9	11.5		31.9	
DOZ-25	8831	10354	BEML D-355	410 HP	25-Apr-14	720	146	104	574	470	79.7	81.9	65.3		27.6	4392	1151	1718	3241	1523	73.8	47.0	34.7		29.1		
DOZ-26	8631	10436	BEML D-355	410 HP	08-Sept-17	720	122	156	598	442	83.1	73.9	61.4		27.1	4392	921	1666	3471	1805	79.0	52.0	41.1		31.8		
						TOTAL	4320	2670	629	1650	1021	38.2	61.9	23.6		27.1	27462	14829	5305	12633	7328	46.0	58.0	26.7		30.1	
<b>PAY LOADER[2]</b>																											
PL-7	12758	12770	L&T KOMAT. WA-470-3	260 HP	21-Jan-09	720	720								-	-	5856	5799	45	57	12	1.0	21.1	0.2		16.7	
PL-8	4769	5007	Hyundai-hl770-7A	280 HP	01-Jun-10	720	168	314	552	238	76.7	43.1	33.1		13.6	5856	5304	314	552	238	9.4	43.1	4.1		13.6		
						TOTAL	1440	888	314	552	238	38.3	43.1	16.5		13.6	11712	11103	359	609	250	5.2	41.1	2.1		13.8	
<b>Back Hoe [2]</b>																											
BACK HOE-02	7965	8144	BEMLBE-300LC	1.2 CU.M	May-09	720	720								-	-	5856	4977	700	879	179	15.0	20.4	3.1		13.4	
BACK HOE-03	4384	6519	BEMLBE-300LC	1.25 CU.M	25-Sep-13	720	168	314	552	238	76.7	43.1	33.1		13.6	5856	2980	742	2876	2135	49.1	74.2	36.4		14.5		
						TOTAL	1440	888	314	552	238	38.3	43.1	16.5		13.6	11712	7957	1442	3755	2314	32.1	61.6	19.8		14.4	
<b>Water Sprinkler [2]</b>																											
WT-5	15126	15639	WS-28	28 KL	May-05	720	720								-	-	4392	2177	1702	2215	513	50.4	23.2	11.7		14.9	
WT-6	5923	6272	BEML,WS 28-2	28 KL	Jan-09	720	89	517	631	114	87.6	18.1	15.8		14.0	4392	1526	2517	2866	349	65.3	12.2	7.9		13.2		
						TOTAL	1440	809	517	631	114	43.8	18.1	7.9		14.0	8784	3703	4219	5081	862	57.8	17.0	9.8		14.2	

**EQUIPMENT AVAILABILITY & UTILISATION**  
Nov-19

		KIRIBURU								MEGHAHATUBURU								BOLANI								BARSUA								UNIT IN %	
		NORM		MTH		2019-20		MTH		2019-20		MTH		2019-20		MTH		2019-20		MTH		2019-20		MTH		CUM									
EQPMT TYPE		AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT						
DRILL	150 mm	70	70	37	37	47	35	72	65	69	65	73	33	74	33	63	20	61	18	42	37	33	47												
SHOVEL	HYD(D) ≤4.5 m <sup>3</sup>	70	75					69	55	15	38	96	7	63	10	83	71	66	26																
SHOVEL	HYD(D) >4.5 m <sup>3</sup>	85	80	97	50	93	53	74	59	78	56	73	41	74	41	72	77	29	37	58	56	59	57												
DUMPER	85/ 60 tn	65	75			19	24										65	63	82	65															
DUMPER	50 tn	70	80					2	36	6	14	47	5	37	11	83	17	65	16					0	16										
DUMPER	100 tn	85	80	77	37	74	39	75	43	68	49	56	40	53	43	54	19	56	12	36	86	44	77												
DOZER		70	70	53	30	52	34	50	31	56	26	52	27	55	27	52	11	56	17	38	62	46	58												
CRUSHING PLANT		85	85					87	77	91	72	91	50	89	52																				
SCREENING PLANT		85	85					92	77	86	70	92	64	89	71																				
OHP		85	85	86	81	85	76	89	78	90	72					97	52	95	45	92	89	93	87												

**Consumption of Key Consumables in 2019-20**  
**Kiriburu**

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2015-16	2021760	758860	2780620	585470	31933017	107099	3648780	178245	2088990	201910	0.10	0.47	5.40	17.95
2016-17	2177112	702490	2879602	573840	31702875	101640	3891780	242370	2663910	0	0.08	0.44	4.66	15.36
2017-18	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
2018-19	1956167	446003	2402170	413826	31857068	83816	3650940	234000	1002060	349644	0.08	0.50	6.52	17.47
<b>2019-20</b>	<b>1139201</b>	<b>188135</b>	<b>1327336</b>	<b>227335</b>	<b>19341756</b>	<b>53340</b>	<b>2414310</b>	<b>171210</b>	<b>898380</b>	<b>49192</b>	<b>0.06</b>	<b>0.39</b>	<b>5.55</b>	<b>15.84</b>
Apr-19	153128	23205	176333	31340	2212440	1050	264510	40050	144360	28000	0.07	0.41	4.93	2.47
May-19	131458	26608	158066	29170	2272880	3780	260010	45000	187560	21192	0.06	0.34	4.61	8.14
Jun-19	103267	57595	160862	34315	2151160	10920	330630	30000	157950	0	0.07	0.32	4.15	22.01
Jul-19	165754	20280	186034	28627	2272560	8190	349740	10080	102600	0	0.06	0.41	4.91	18.01
Aug-19	156428	13830	170258	24642	2099264	6300	297990	22500	90360	0	0.06	0.43	5.11	15.99
Sep-19	119882	25150	145032	29835	2570178	5460	274230	23580	72360	0	0.08	0.41	6.94	15.49
Oct-19	156898	15480	172378	26821	2931826	9660	337680	0	65610	0	0.07	0.43	7.27	23.95
Nov-19	152386	5987	158373	22585	2831448	7980	299520	0	77580	0	0.06	0.42	7.51	21.16

**Meghahatuburu**

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2015-16	2225132	166400	2391532	519270	19481640	115697	3737160	0	1716350	896600	0.08	0.43	3.57	20.70
2016-17	2572886	44085	2616971	515440	17964960	126531	3711060	162000	2828750	234000	0.07	0.39	2.68	19.06
2017-18	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
2018-19	2575594	100790	2676384	572008	18050111	117281	3697950	172500	2645300	300000	0.08	0.41	2.77	18.15
<b>2019-20</b>	<b>1726901</b>	<b>112370</b>	<b>1839271</b>	<b>383413</b>	<b>11599680</b>	<b>86431</b>	<b>2612380</b>	<b>23000</b>	<b>2085320</b>	<b>119079</b>	<b>0.08</b>	<b>0.39</b>	<b>2.46</b>	<b>18.26</b>
Apr-19	241434	14290	255724	49387	1198200	8918	330210	0	250800	0	0.09	0.44	2.06	15.35
May-19	240387	6290	246677	49607	1276800	10061	348300	0	251780	0	0.08	0.41	2.13	16.77
Jun-19	205620	19380	225000	45980	1186800	9912	335430	0	275670	0	0.08	0.37	1.94	16.22
Jul-19	192490	26410	218900	40903	1481280	11662	317610	0	271350	7521	0.07	0.37	2.52	19.74
Aug-19	220320	8680	229000	52975	1757760	10822	343100	7000	216090	12725	0.09	0.41	3.10	19.18
Sep-19	200780	20220	221000	52881	1746720	13874	293330	16000	274410	20180	0.09	0.38	2.99	24.05
Oct-19	211370	14630	226000	42379	1469400	13818	327510	0	269910	37952	0.07	0.37	2.46	22.77
Nov-19	214500	2470	216970	49301	1482720	7364	316890	0	275310	40701	0.08	0.36	2.50	12.22

**Consumption of Key Consumables in 2019-20**  
**Bolani**

Item	HSD	Expl	Power	Lubricant	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
Unit	(in Liter)	(in kg)	(in KWH)	(in Liter)								
<b>NORM</b>									<b>0.11</b>	<b>0.43</b>	<b>4.8</b>	<b>25</b>
2015-16	2259467	913430	21800400	106130	3598770	1735825	1382700	1085889	0.12	0.40	3.25	18.66
2016-17	2538285	618000	22677280	116550	4014310	1667532	1534785	920488	0.08	0.41	3.14	18.81
2017-18	2514011	935809	20339200	125936	3712455	1543746	1417555	1853008	0.11	0.42	3.05	21.06
2018-19	2490224	1024680	19637760	115744	3977468	1676535	1370685	1606906	0.12	0.40	2.80	18.76
<b>2019-20</b>	<b>1626763</b>	<b>638096</b>	<b>13604160</b>	<b>96728</b>	<b>2988040</b>	<b>1003756</b>	<b>865520</b>	<b>389938</b>	<b>0.12</b>	<b>0.39</b>	<b>2.80</b>	<b>23.02</b>
<b>Apr-19</b>	205659	99296	1673040	13316	382755	165831	84265	98990	0.14	0.39	2.64	24.97
<b>May-19</b>	211646	77310	1754160	10370	415785	154721	63955	43236	0.11	0.40	2.76	19.59
<b>Jun-19</b>	228123	92800	1812000	12572	429200	154465	106500	46600	0.13	0.39	2.63	21.46
<b>Jul-19</b>	213010	85532	1710000	10976	425200	123598	72700	44822	0.13	0.39	2.75	20.33
<b>Aug-19</b>	217404	72429.95	1774800	13290	407600	85451	88900	17081	0.12	0.42	3.05	25.45
<b>Sep-19</b>	163364	61915	1483200	11494	178000	99302	281000	28279	0.11	0.33	2.66	23.41
<b>Oct-19</b>	183739	57820	1675680	10500	363300	74335	88000	40118	0.10	0.38	3.19	21.88
<b>Nov-19</b>	203818	90993	1721280	14210	386200	146053	80200	70812	0.13	0.39	2.81	27.29

**Gua**

Item	HSD			Expl	Power	Lubricant										
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB		
<b>NORM</b>	<b>MINES</b>			<b>DGSET</b>	<b>TOTAL</b>						<b>0.09</b>	<b>0.55</b>	<b>4.6</b>	<b>25</b>		
2015-16	2632296			18880	2651176	413320	18358728	92732	3565810	284938	1540315	198718	0.08	0.51	3.60	17.91
2016-17	2933129			2804	2935933	438030	18480528	106696	3774559	239976	1554059	0	0.08	0.54	3.32	19.80
2017-18	3087765			2220	3089985	388490	18466944	105288	4002700	0	1573793	0	0.07	0.55	3.31	18.88
2018-19	3090800			0	3090800	422803	18845542	110814	3307804.77	363065	1345070	762619	0.08	0.63	3.76	22.46
<b>2019-20</b>	<b>1805858</b>	<b>25335</b>	<b>1831193</b>	<b>267293</b>	<b>12584405</b>	<b>69580</b>	<b>2430640</b>	<b>0</b>	<b>348465</b>	<b>68000</b>	<b>0.09</b>	<b>0.65</b>	<b>4.53</b>	<b>24.88</b>		
<b>Apr-19</b>	235465	5600	241065	41226	1523870	9646	290790	0	44190	0	0.12	0.72	4.55	28.80		
<b>May-19</b>	223658	2000	225658	38149	1545863	10514	292950	0	80640	0	0.10	0.60	4.14	28.14		
<b>Jun-19</b>	241210	6825	248035	27832	1419973	3584	312750	0	42840	0	0.08	0.70	3.99	10.08		
<b>Jul-19</b>	219087	3310	222397	40974	1673210	10990	293490	0	25650	0	0.13	0.70	5.24	34.44		
<b>Aug-19</b>	232010	1400	233410	30070	1565881	10542	322830	0	55800	0	0.08	0.62	4.14	27.84		
<b>Sep-19</b>	230503	4200	234703	30297	1576512	8414	286830	0	30420	68000	0.08	0.70	4.97	25.17		
<b>Oct-19</b>	209341	0	209341	25265	1630224	9128	289080	0	36795	0	0.08	0.64	5.00	28.01		
<b>Nov-19</b>	214584	2000	216584	33480	1648872	6762	341920	0	32130	0	0.09	0.58	4.41	18.08		

### Consumption of Key Consumables in 2019-20

#### Brasua -Taldih

Item	HSD			Expl	Power	Lubricant	BARSUA ROM	TALDIH ROM	BARSUA OB				TALDIH OB				EXPL	HSD	POWER	LUB	
	(in Liter)								DEPTT	CONT	DEPTT	CONT	DEPT	CONT	0.08	0.46	4.90	25.00			
NORM	MINES	DGSET	TOTAL						DEPTT	CONT	DEPTT	CONT	DEPT	CONT	0.08	0.46	4.90	25.00			
2015-16	1230145	6660	1236805	265250	15780840	47362	0	0	2384140	0	0	0	0.11	0.52	6.62	19.87					
2016-17	934836	0	934836	188625	15520680	46730	0	173700	1804950	0	294165	0	0.10	0.45	7.84	22.26					
2017-18	386285	0	386285	95062	13554044	11893	0	1052111	85675	0	206145	0	0.07	1.32	11.91	40.75					
2018-19	1569967	86653	1656620	161280	11762332	31131	1951980	469148	385666	0	65340	0	0.06	0.63	4.89	12.96					
<b>2019-20</b>	<b>887933</b>	<b>147490</b>	<b>1035423</b>	<b>168521</b>	<b>9229186</b>	<b>30450</b>	<b>1071874</b>	<b>577091</b>	<b>385850</b>	<b>0</b>	<b>0</b>	<b>266878</b>	<b>0.07</b>	<b>0.71</b>	<b>6.33</b>	<b>20.89</b>					
Apr-19	29027	3270	32297	8650	945837	1050	2412	45616	0	0	0	225	0.18	13.39	392.14	435.32					
May-19	131976	340	132316	29956	1419687	4200	180023	53438	76820	0	0	0	0.10	0.52	5.53	16.35					
Jun-19	128999	2140	131139	21756	655557	3780	160464	45903	58675	0	0	41886	0.07	0.60	2.99	17.25					
Jul-19	111284	13715	124999	21376	1337317	5880	158842	73281	51180	0	0	43488	0.07	0.60	6.37	28.00					
Aug-19	120817	23835	144652	18508	1215477	4830	135788	41820	51565	0	0	21348	0.07	0.77	6.49	25.78					
Sep-19	119179	44230	163409	16375	1097237	2100	116906	85008	48235	0	0	42404	0.06	0.99	6.64	12.72					
Oct-19	113884	39000	152884	15750	1124317	4200	144171	91285	55050	0	0	46025	0.05	0.77	5.64	21.08					
Nov-19	132767	20960	153727	36150	1433757	4410	173268	140740	44325	0	0	71502	0.08	0.71	6.59	20.27					

	Kalta						Manoharpur						Taldih				D Area & Panposh		
	HSD	Expl	Power	Lubricant	Excavation	Explosive Kg/T Excav	HSD	Expl	Power	Lubricant	Excavation	Explosive Kg/T Excav	Expl	Excavation	Explosive Kg/T Excav	Expl	Excavation	Explosive Kg/T Excav	
2017-18	59801	147425	1468000	420	1524560	0.10	112989	69000	1717011	784	44830	1.54	89700	1258255	0.07		3158815	0.00	
2018-19	52204	149850	1328188	0	1717832	0.09	83138	88300	2255330	2293	733489	0.12	35925	534488	0.07	256875	2665550	0.10	
<b>2019-20</b>	<b>36931</b>	<b>79975</b>	<b>639240</b>	<b>510</b>	<b>934300</b>	<b>0.09</b>	<b>52346</b>	<b>44025</b>	<b>1076968</b>	<b>408</b>	<b>496480</b>	<b>0.09</b>	<b>75675</b>	<b>843969</b>	<b>0.09</b>	<b>97076</b>	<b>1389674</b>	<b>0.07</b>	
Apr-19	4590	12400	82780	510	176200	0.07	6627	5825	122945	11	92799	0.06	8650	45841	0.19	18528	264821	0.07	
May-19	3985	7875	86460	0	159400	0.05	6260	4800	138078	24	62702	0.08	6850	53438	0.13	11674	197957	0.06	
Jun-19	7580	13550	54420	0	129100	0.10	8394	6600	131659	12	37068	0.18	8500	87789	0.10	21057	197045	0.11	
Jul-19	7543	12025	52640	0	84200	0.14	6931	6000	141882	144	47976	0.13	8200	116769	0.07	8503	168420	0.05	
Aug-19	3553	0	89780	0	27700	0.00	7094	2400	138148	61	65108	0.04	6850	63168	0.11	4515	102532	0.04	
Sep-19	3035	6700	89500	0	26700	0.25	4128	4800	150540	26	46629	0.10	12025	127412	0.09		127581	0.00	
Oct-19	3025	12825	66640	0	111400	0.12	7409	5400	131601	61	69265	0.08	10300	137310	0.08	3785	114453	0.03	
Nov-19	3620	14600	117020	0	219600	0.07	5503	8200	122115	69	74933	0.11	14300	212242	0.07	29015.5	216865	0.13	

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

Status as on NOV' 2019

MINE	GRANTED ON	VALID UPTO	AREA ( in ha)	RENEWAL APPL.DATE	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)	
					KBR-MBR			
Lease-I	28.03.60	31.03.20	1936.06	17.02.09	Stage-II FC [644.26 Ha] granted by MoEF&CC vide letter dated 26.11.2014. Stage-I FC of South & Central Block (247.5 Ha) was granted by MoEFCC on 18.10.2010. Compliance report has been submitted well within the time & State Govt. forward the proposal to MoEFCC on 13.07.2015. Further, compliance of the queires were forwarded by State Govt. to MoEFCC on 05.04.2016. After approval of MPSM on 08.06.2018, MoEFCC, ND requested GoJ on 26.06.2018 to provide some informations related to CA, Lease validity etc. In compliance to the asked information of Ministry, report submitted to DFO on 19.07.2018/31.07.2018 and final recommendation has been forwarded to MoEFCC, Gol on 08.11.2018 but same has been returned back to the Govt. of Jharkhand on 18.03.2019 seeking for some clarification especially the acceptance of earlier identified CA land. After consultation with concerned DFO, it was clarified that the earlier identified 500 ha CA land was now unacceptable for CA purpose due to forest growth.	Government of Jharkhand has extended the mining lease period of amalgamated lease of Kiriburu-Meghahatuburu Iron Ore Mines up to 27.03.2030 vide letter dated 30.07.2019. Amalgamated Lease deed executed on 25.10.2019	For resolving the matter, series of meeting was held & around 512 ha fresh degraded forest land was identified in Khunti (451 ha) & Gumla (61 ha) Forest Divisions during 02.08.2019 to 15.08.2019. Complete report submitted to DFO, Saranda on 21.08.2019 for further processing of the proposal. Further, DFO, Saranda asked more information on 29.08.2019 which was submitted on 13.09.2019. Verification of lease boundary as well as diversion area is under progress by State Forest Department. DFO forwarded the proposal to CF, Chaibasa on 23.10.2019. CF, Chibasa asked further querry to DFO on 30.10.2019. DFO, Saranda vide letter dated 08.11.2019 informed to submit the compartment details along with area falling under proposed diversion area & lease area and also directed to submit the compliance of the query desired by CF, Chaibasa. The compliance of the query sought by DFO, Saranda was submitted on 23.11.2019 & again DFO, Saranda on 28.11.2019 requested CF, Jamshedpur to provide the compartment no. and its area under Lease-I and 247.5 ha. The letter was submitted to the office of CF, Jamshedpur on 29.11.2019 . Clarification forwarded to CF by DFO on 04.12.19.	EC granted by MoEFCC for 10 MTPA capacity on 27.12.2006. EC granted by MoEFCC for 16 MTPA capacity on 23.09.2014. CTO for 16 MTPA capacity was granted by JSPCB & renewed upto 31.12.2019. Submitted the CTO renewal application on 22.08.2019 in online portal for next period of 5 years beyond 31.12.2019.
Lease - II	06.02.73	31.03.20	879.439	10.01.02	Forestry clearance for the total broken area of 55.9 Ha was granted on 11.04.2005.	Ore Beneficiation Plant & loading facilities of Meghahatuburu Iron Ore Mine are located in the lease-II.		
Lease - III	01.10.73	31.03.20	82	26.09.02	Forestry clearance for the total broken area of 24.23 Ha was granted on 11.04.2005.	Tailing Pond of Kiriburu Iron Ore Mine is located in the lease-III.		
Horomotto	01.01.70	31.12.99	1051.98	-	Hon'ble High Court disposed the two writ petitions on 16.04.2019 by directing the State Govt. to consider SAIL's representation in accordance with the law to retain 90.06 ha over which infrastructure facilities were developed. SAIL had submitted a representation to Govt of Odisha on 03.07.2019 and requested to allow SAIL to retain the 90.06 ha in Horomotto Lease area over which various infrastructure facilities have been developed since 1970 and grant Surface Lease for the said area in the larger public interest. Under consideration with Govt. of Odisha.	No EC		

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL							Status as on NOV' 2019
MINE	GRANTED	VALID	AREA	RENEWAL	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)
	ON	UPTO	( in ha)	APPL.DATE			
<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. Stage-II FC granted on 06.11.2019 for 87.09 ha Sabik Forest.	EC granted for production of Iron Ore 12 MTPA ROM and Installation of 12 MTPA New Beneficiation Plant & 4 MTPA Pellet Plant on 21.12.2012. Consent to Operate for 12 MTPA capacity has been renewed on 28.03.2019 & Valid upto 31.03.2020.	
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	MoEFC&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are appoved on 27.10.2018 and in line with the demand letter recived 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 schemens have been revised and approved by the State Forest Deptment and directed to deposit the differential amounts. Differential amount of Rs. 2.9 Crores has been paid on 20.02.2019. The revised compliance report was submitted to DFO, Keonjhar on 23.02.2019. DFO, Keonjhar forwarded the proposal to RCCF, Rourkela on 25.03.2019. Stage – I FC compliance report was forwarded to Addl. PCCF (N) on 12.04.2019 and forwarded to MoEF&CC on 02.07.2019 for grant of Stage – II FC. Further, MoEFCC asked clarification to Govt of Odisha on 04.10.2019 which is under process. A meeting in this regard held at HOFF office on 09.12.19. In addition to that, Stage-I FC for 124.313 ha Sabik FL was obtained on 12.09.2017. Stage-II FC for 124.313 ha was obtained from MoEF&CC, New Delhi on 29.04.2019.	Granted EC on 21.12.12 for production of 15000 TPA Manganese Ore. CTO for handling of 10 MTPA Iron ore lumps & fines and 15000 TPA Mn ore granted by OSPCB & further renewed on 25.03.2019 with validity upto 31.03.2020. Also, Consent to Establish (CTE) for production of 15000 TPA Mn Ore was extended by OSPCB upto 20.12.2023 on 22.05.2019.	

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

MINE	GRANTED	VALID	AREA ( in ha)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)	Status as on NOV' 2019	
						ENVIRONMENT CLEARANCE (EC)	
<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. After subission of Stage- I compliance report to DFO on 02.06.2015 & verification of report, State Govt. forwarded the proposal to MoEFCC, New Delhi on 30.07.2015/23.09.2015 for grant of Stage-II FC. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 03.07.2018 requested GoJ to provide some informations. The desired informations were submitted to forest department on 19.07.2018 & forwarded to MoEFCC, GoJ on 19.11.2018 but same has been returned back to the Govt. of Jharkhand on 28.02.2019 seeking for some clarification especially the acceptance of earlier identified CA land. After meeting with PCCF (Nodal), GoJ on 18.03.2019, it was directed to digitize the forest compartment maps, visit CA sites & find alternate CA lands. After regular follow up at different range, during the month of April & May, 2019, undertaken the process of CA site verification with concerned forest officials & SAIL team. Consequent upon the physical verification of CA lands along with identification of additional CA land, a report on degraded forest land equivalent to 841 Ha under Saranda, Chaibasa and Jamshedpur Forest Divisions were proposed and submitted by Gua Mines to State Forest Department on 24.05.2019 & 25.05.2019 to finalize the CA area. But after re-verification, about 50 % of the proposed area was found suitable. RCCF, Jamshedpur vide its letter dated 19.06.2019 and during the meeting held on 20.06.2019 has directed concerned DFO's to identify degraded forest land for CA. Degraded forest land for CA covering area in respective divisions was identified. Vide letter dated 13.07.2019, DFO Saranda informed CF, Chaibasa regarding the same and advised SAIL to provide kml files of the identified area along-with maps. Preparation of Kml file along-with the maps has been completed on 27.07.2019. After approval of CA scheme by concerned DFOs, forwarded to DFO, Saranda for necessary demand. Thereafter, demand has been raised by DFO, Saranda on 17.08.2019 but not done due to uncertainty in online system of forest department. After processing the proposal at CF & RCCF Office, the complete information was forwarded to PCCF (Nodal), GoJ on 22.08.2019 and further to Addl. Chief Secretary (Dept. of F, E & CC), GoJ on 25.08.2019. Proposal for grant opf Stage-II FC has been forwarded to MOEFCC, New Delhi on 01.10.2019. Additional information sought by MoEFCC on 15.11.2019 & PCCF (Nodal), GoJ was requested on 18.11.2019 and 21.11.2019 to comply the query desired by MoEFCC. Another meeting held on 03.12.19.	EC granted by MoEF on 25.03.2013. CTO for 12.5 MTPA renewed by JSPCB on 26.12.2016 for the period 01.01.2017 to 31.12.2020.	
Government of Jharkhand has extended the mining lease period of Duarguiburu Lease of Gua Ore Mines up to 21.02.2029 vide order dated 25.06.2019. The lease deed executed on 24.09.2019 and registration done on 30.09.2019.							
Jhilingburu - I	12.05.50	11.05.80	210.526	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land identification is under progress.	ToR for 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. The point-wise information was submitted to DFO,Saranda vide letter dated 02.04.2019. After examination of information, DFO,Saranda vide letter dated 27.04.2019 has sought certain clarifications from SAIL which were replied on 22.05.2019.	EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.	
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-II FC (final approval) has been accorded by Ministry on 04.10.2019.	EC granted by SEIAA vide letter no. EC/SEIAA/2015-16/2015/1291 dated 17.08.2015.	
Lease period has been extended upto 11.05.2020 by Govt of Jharkhand on 30.10.2019							
Lease period has been extended upto 08.03.2040 by Govt of Jharkhand on 23.10.2019							

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL						
Status as on NOV' 2019						
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRONMENT CLEARANCE (EC)
	ON	UPTO	( in ha)	APPL.DATE	CHIRIA	
Budhaburu (McLellan)	08.12.45	31.03.20	823.617	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18. After verification at different level, the information was forwarded to MoEFCC by Govt. of Jharkhand on 07.06.2019.	EC has been granted by MoEF&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
BARSUA-KALTA						
ML No.-130	06.01.60	05.01.30	2486.38	NA	Stage-II FC granted by MoEF&CC on 06.03.2013. DFO, Bonai vide letter dated 27.02.18 allowed to take up mining operation over 28.90 ha of forest land under Taldih Block-C. Proposal for felling of tree over an area of 58.75 ha in area-5 of Barsua Part has been approved by DFO, Bonai and a meeting was held on 29.10.2018 for settlement/ strategy of tree felling. Offer issued by M/s OFDC on 2.11.2018 for said proposal & job is under progress.	EC granted by MoEFCC vide letter dated 29th Oct'10. Amended EC for ML-130 lease was granted on 30.03.2016 for redistribution of production from Barsua to 3.5 Mt/yr and Kalta to 2.5 Mt/yr and Taldih to 2.05 Mt/yr. CTO of Barsua Railway siding has been granted on 30.03.2019 with validity upto 31.03.2020.
ML No.-162	29.04.60	28.04.30	77.94	21.04.99	Stage-II FC granted on 23.10.17 for diversion of 77.94 ha of forest land.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this lease.
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process. The matter of identification of CA land was discussed with forest nodal office on 25.10.2018 meeting. CA land over an area of 33.022 ha is under process.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR. Job is under process for submission to OSPCB for conducting Public Hearing.
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 NOV' 2019						
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	( in ha)	APPL.DATE		
<b>BHAWANATHPUR</b>						
GORGAON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgaon, Ghagra & Saraiya leases has been approved by SAIL-Board on 30.05.2017. Final Mine Closure Plan has been prepared by M/s MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18.SAIL official met IBM official, Ranchi on 31.01.19 & 01.02.19 for approval of FMCP wherein IBM directed to submit the Geological Report of three leases for further processing of FMCP's. Geological Reports of three leases were submitted to IBM on 25.02.19 for grant of FMCP. IBM, Ranchi approved the FMCP's for Gorgaon on 08.05.19 and Ghagra & Saraiya leases on 09.05.19. A request letter was submitted to DC, Garhwa through DMO, Garhwa on 15.05.2019 for surrender of Bhawanathpur leases as per Rule 21 (1) of MCR, 2016. Also, another request letter was submitted to Secy (Mines & Geo) on 23.05.2019 for final surrender of Bhawanathpur leases. The completion of approved job related to closure plan is under process.	
GHAGHRA	23.10.72	31.03.20	675.678	18.10.11 (2nd RML)		
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)		
PURNAPANI	06.01.80	31.03.20	230.525	30.12.98	No forest land involved	Non-working lease. No EC
GHATITANGAR	29.04.80	28.04.00	153.51	16.04.99	Writ petitions were heard at different dates by the Hon'ble High Court of Orissa which was finally heard on 06.08.2019. The Hon'ble High Court has disposed of the two writ petitions filed by SAIL and asked to makes a representation to State Govt. for redressal of its grievances.	Non-working lease. No EC
<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 17.08.2015. CTE for 0.06 MTPA production granted on 10.04.2016. CTO renewed by MPPCB on 02.09.2019 with validity up to 31.07.2021.
RIGHT BANK LEASE	10.06.71	09.06.21	944.89	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/449/2012-IA.II(M) dated 02.09.2015.CTE granted on 31.12.2015 for 2.32 MTPA expansion. CTO for 2.32 MTPA expansion granted by MPPCB on 23.02.2016 with validity upto 31.01.17. CTO renewed by MPPCB for the period upto 31.01.2020.
TULSIDAMAR	30.10.69	31.03.20	118.72	20.10.08 (2nd RML)	Stage-II FC for 101.32 ha under the lease was granted on 18.12.1997. DFO, Garhwa informed SAIL-BNP Mines vide its letter dated 25.03.19 that the validity of FC is co-terminus with lease period i.e. upto 31.03.2020 and further directed to submit the online FC renewal application. FC renewal application (FORM-B) was submitted online in MoEFCC portal on 29.03.19. Thereafter, clarification asked on 16.04.2019 which was replied on 01.06.2019 in online. Also, a clarification has been sought from PCCF & HoFF, GoJ by SAIL on 03.05.19, regarding extension of period of validity of FC granted under Section 2(ii) of FC Act, 1980 for the lease.	EC was granted on 24.03.1995 as per EIA notification 1994. CTO for 25000 TPM (Dolomite) capacity has been renewed by JSPCB on 28.03.17 for the period upto 31.03.2020. CTO for Rly Siding for 25,000 TPA Dolomite and 60,000 TPA Limestone renewed by JSPCB upto 30.06.2020. In compliance to MoEFCC Office memorandum dated 06.04.2018, ToR application under EIA Notification, 2006 has been submitted in Ministry's portal on 31.08.2018.EAC meeting held on 23.01.2019 wherein committee members did not consider the EC granted to mine in 1995. MoEF&CC vide letter dated 19.03.2019 returned the EC proposal and informed that project proponent had not taken EC under the provisions of EIA Notification, 2006 at the time of renewal of mining lease due in 2009. Further, MoEFCC vide separate letters dated 19.03.2019 informed Secretary (Dept. of Mines & Geo), GoJ and Secretary (Dept. of F, E & CC), GoJ for taking further necessary action. In order to avoid any coercive action on account of directions issued by MoEFCC vide letter dtd 19.03.2019 to Jharkhand State Government, Writ Petitions have been filed in Jharkhand High Court on 18.05.2019. No notice has been served by Jharkhand Govt. in the matter till date.

**RMD MANPOWER POSITION AS ON 01.12.2019**

	Executives	Non-Executives	Total
<b>A. Ore Mines</b>			
Kiriburu	82	552	634
Meghatuburu	67	510	577
Bolani	88	473	561
Barsua	64	280	344
Kalta	15	60	75
Gua	56	489	545
Chiria	15	55	70
<b>A. Total</b>	<b>387</b>	<b>2419</b>	<b>2806</b>
<b>B. Flux Mines</b>			
Purnapani	0	5	5
Kuteshwar	25	75	100
BNP & TDMR	10	57	67
<b>B. Total</b>	<b>35</b>	<b>137</b>	<b>172</b>
<b>C. Offices</b>			
Kolkata	69	29	98
Rourkela	11	16	27
Bokaro	1	3	4
Durgapur	0	4	4
Delhi	4	2	6
Bhubaneswar	2	2	4
Ranchi	1	2	3
Burnpur	0	1	1
MT	28		28
<b>C. Total</b>	<b>116</b>	<b>59</b>	<b>175</b>
<b>Grand Total (A+B+C)</b>	<b>538</b>	<b>2615</b>	<b>3153</b>
Manpower as on 01.10.2019	540	2627	3167
Reduction(-)/Increase(+)	-2	-12	-14

### ACCIDENT STATISTICS OF RMD MINES

	FATAL						SERIOUS						REPORTABLE						MANDAYS LOST							
	Nov-19			FY 2019-20			Nov-19			FY 2019-20			Nov-19			FY 2019-20			Nov-19			FY 2019-20				
	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T		
Kiriburu																								103		103
Meghatuburu																										
Bolani																								57		57
Barsua																								58		58
Taldih																										
Kalta																										
Gua																								100		100
Manoharpur																								45		45
Kuteshwar																										
Tulsidamar																										
<b>RMD Total</b>																								<b>305</b>	<b>58</b>	<b>363</b>

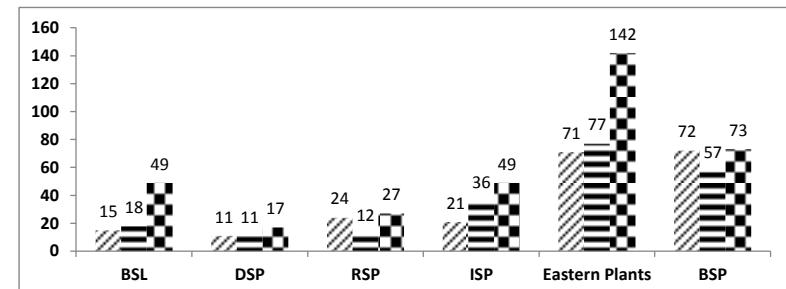
# IRON ORE STOCK INVENTORY BEHAVIOUR

November 2019

IRON ORE LUMP

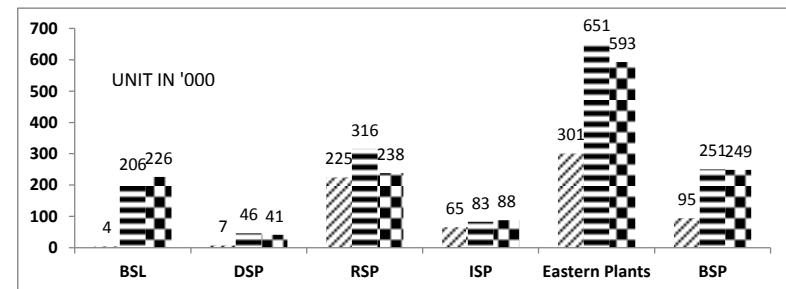
UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.11.2019	MTH	CUM	MTH	CUM	01.12.2019	MTH	YR
BSL	15	18	184	1677	162	1625	49	31	34
DSP	11	11	127	936	120	936	17	6	6
RSP	24	12	215	1567	159	1225	27	15	3
ISP	21	36	106	704	101	663	49	13	28
<b>Eastern Plants</b>	<b>71</b>	<b>77</b>	<b>632</b>	<b>4884</b>	<b>542</b>	<b>4449</b>	<b>142</b>	<b>65</b>	<b>71</b>
BSP	72	57			242	2077	73	16	1
<b>TOT</b>	<b>143</b>	<b>134</b>	<b>632</b>	<b>4884</b>	<b>784</b>	<b>6526</b>	<b>215</b>	<b>81</b>	<b>72</b>



# IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.11.2019	MTH	CUM	MTH	CUM	01.12.2019	MTH	YR
BSL	4	206	313	2833	365	2823	226	20	222
DSP	7	46	226	1738	231	1704	41	-5	34
RSP	225	316	290	2539	403	2722	238	-78	13
ISP	65	83	292	1988	285	2185	88	5	23
<b>Eastern Plants</b>	<b>301</b>	<b>651</b>	<b>1121</b>	<b>9098</b>	<b>1284</b>	<b>9434</b>	<b>593</b>	<b>-58</b>	<b>292</b>
BSP	95	251	145	615	426	3032	249	-2	154
<b>TOT</b>	<b>396</b>	<b>902</b>	<b>1265</b>	<b>9713</b>	<b>1710</b>	<b>12466</b>	<b>842</b>	<b>60</b>	<b>446</b>



# IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2019	01.11.2019	MTH	CUM	MTH	CUM	01.12.2019	MTH	YR
BSL	19	224	497	4510	527	4448	275	51	256
DSP	18	57	353	2674	351	2640	58	1	40
RSP	249	328	505	4106	562	3947	265	-63	16
ISP	86	119	398	2692	386	2848	137	18	51
<b>Eastern Plants</b>	<b>372</b>	<b>728</b>	<b>1753</b>	<b>13983</b>	<b>1826</b>	<b>13883</b>	<b>735</b>	<b>7</b>	<b>363</b>
BSP	167	308	145	615	668	5109	322	14	155
<b>TOT</b>	<b>539</b>	<b>1036</b>	<b>1898</b>	<b>14598</b>	<b>2494</b>	<b>18992</b>	<b>1057</b>	<b>21</b>	<b>518</b>

\* BSP RECEIPT FROM RMD MINES

# PRODUCTION PERFORMANCE

November 2019

**हॉट मेटल**

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Nov 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	395	304	77	358	-15	3082	2693	87	2761	-2
दूर्गापूर	209	208	100	217	-4	1719	1561	91	1678	-7
रातरकेला	335	316	94	319	-1	2695	2370	88	2477	-4
बर्नपूर	210	211	101	223	-5	1790	1555	87	1285	21
<b>पूर्वी इस्पात संयंत्र</b>	<b>1149</b>	<b>1039</b>	<b>90</b>	<b>1117</b>	<b>-7</b>	<b>9286</b>	<b>8178</b>	<b>88</b>	<b>8201</b>	<b>0</b>
भिलाई	579	400	69	427	-6	4176	3138	75	3044	3
<b>TOTAL</b>	<b>1728</b>	<b>1439</b>	<b>83</b>	<b>1544</b>	<b>-7</b>	<b>13462</b>	<b>11316</b>	<b>84</b>	<b>11246</b>	<b>1</b>

**सिन्तर**

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Nov 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	504	424	84	493	-14	3838	3813	99	3895	-2
दूर्गापूर	294	297	101	283	5	2264	2137	94	2262	-6
रातरकेला	527	526	100	526	0	4358	3944	90	4098	-4
बर्नपूर	325	310	95	337	-8	2610	2347	90	1978	19
<b>पूर्वी इस्पात संयंत्र</b>	<b>1650</b>	<b>1557</b>	<b>94</b>	<b>1640</b>	<b>-5</b>	<b>13070</b>	<b>12241</b>	<b>94</b>	<b>12233</b>	<b>0</b>
भिलाई	815	620	76	599	4	6060	4723	78	4449	6
<b>TOTAL</b>	<b>2465</b>	<b>2177</b>	<b>88</b>	<b>2239</b>	<b>-3</b>	<b>19130</b>	<b>16963</b>	<b>89</b>	<b>16682</b>	<b>2</b>

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

***FIGS IN '000 T***

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	42	67	19	18	18		5		16		184
DSP			123				4				127
RSP	21	33		64		87			11		215
ISP	15		32				60				106
BSP											
TOT	78	99	174	82	18	87	68		27		632

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	148	103	20	10	15		9		8		313
DSP		29	197								226
RSP	45	4		136		74			31		290
ISP	34	60	63				134				292
BSP	65						79				145
TOT	293	196	280	146	15	74	223		38		1265

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	190	170	38	28	33		14		24		497
DSP		29	321				4				353
RSP	66	37		200		161			41		505
ISP	49	60	95				194				398
BSP	65						79				145
TOT	371	295	454	228	33	161	291		65		1898

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

**FIGS IN '000 T**

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	143	388	407	369	186	4	31		150		1677
DSP		3	747				186				936
RSP	586	344		64	20	483			68		1567
ISP	15		295				391		3		704
BSP											
TOT	744	736	1448	433	206	487	608		222		4884

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	909	709	322	559	114	49	84		86		2833
DSP		133	1258				347				1738
RSP	844	868		171	134	358	11		154		2539
ISP	34	278	760				912		3		1988
BSP	269						344		3		615
TOT	2056	1988	2340	731	248	407	1698		246		9713

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	1052	1097	729	929	299	53	115		236		4510
DSP		136	2005				533				2674
RSP	1430	1212		235	154	841	11		222		4106
ISP	49	278	1054				1303		7		2692
BSP	269						344		3		615
TOT	2800	2724	3788	1164	454	894	2307		467		14598

**BASE FREIGHT IN RS PER TONNE FOR TRAIN LOAD**

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
KRBU(N/B) (FOS)	371	<b>666.60</b>	409	<b>747.70</b>	90	<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>	90	<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>	90	<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>	223	<b>467.80</b>	286	<b>549.10</b>	673	<b>1193.30</b>
BARSUA (PBSB)	342	<b>626.90</b>	389	<b>706.90</b>	69	<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>	59	<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>	216	<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>	33	<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>	533	<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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
BHAWANATHPUR (PSBS)	369	<b>585.80</b>	491	<b>763.80</b>	559	<b>907.30</b>	459	<b>727.40</b>	909	<b>1398.20</b>
KHANABANJARI (BLSG)	712	<b>1119.70</b>	834	<b>1259.30</b>	675	<b>1048.70</b>	802	<b>1259.30</b>	496	<b>763.80</b>

**BUSY SEASON FREIGHT IN RS PER TONNE FOR TRAIN LOAD (DPO-15%)**

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
KRBU(N/B) (FOS)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
KRBU(O/B) (SOBK)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
MBR (SSMK)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
BOLANI (BYFS)	272	<b>614.26</b>	318	<b>709.04</b>	223	<b>564.87</b>	286	<b>663.04</b>	673	<b>1440.91</b>
BARSUA (PBSB)	342	<b>756.98</b>	390	<b>853.58</b>	69	<b>245.73</b>	356	<b>804.92</b>	519	<b>1148.57</b>
ROXY (HLSR)	332	<b>756.98</b>	379	<b>853.58</b>	59	<b>245.73</b>	346	<b>756.98</b>	509	<b>1148.57</b>
GUA (ISCG)	265	<b>614.26</b>	311	<b>709.04</b>	216	<b>515.36</b>	279	<b>663.04</b>	665	<b>1440.91</b>
MANOHARPUR (IISM)	241	<b>564.63</b>	287	<b>663.04</b>	33	<b>245.73</b>	255	<b>614.26</b>	483	<b>1049.56</b>
DALLIRAJHARA (DRZ)	827	<b>1730.35</b>	871	<b>1825.86</b>	533	<b>1148.57</b>	832	<b>1730.35</b>	83	<b>245.73</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	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19	Km	Oct-19
BHAWANATHPUR (PSBS)	369	<b>707.35</b>	491	<b>922.29</b>	559	<b>1095.56</b>	459	<b>878.34</b>	909	<b>1688.33</b>
KHANABANJARI (BLSG)	712	<b>1352.04</b>	834	<b>1520.60</b>	675	<b>1266.31</b>	802	<b>1520.60</b>	496	<b>922.29</b>