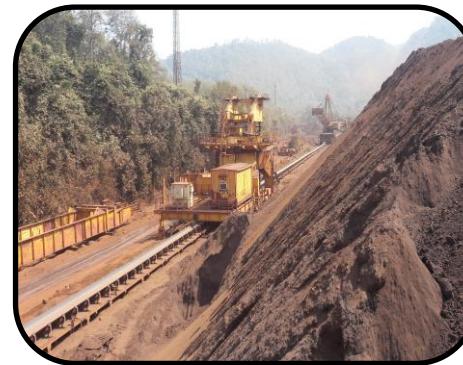


## RMD MONTHLY INFORMATICS



# JULY-2020



**PPC  
RMD KOLKATA**



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## Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF JULY-20					20-21 TILL THE MONTH OF JULY-20				
	CBT	ACT	%FF	July'19	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	98	65	66	103	-37	392	207	53	410	-50
MEGHATUBURU	87	52	60	96	-46	348	125	36	398	-69
BOLANI	145	123	85	144	-15	580	393	68	565	-30
BARSUA	50	59	118	36	64	200	138	69	149	-7
TALDIH	25	31	124	21	48	100	87	87	58	50
KALTA	55	54	98	33	64	220	244	111	162	51
GUA	95	69	73	84	-18	380	186	49	364	-49
CHIRIA	15	7	47	15	-53	60	37	62	64	-42
RMD TOTAL	570	460	81	532	-14	2280	1417	62	2170	-35

PLANTS	COMM	FOR THE MONTH OF JULY-20					20-21 TILL THE MONTH OF JULY-20				
		CBT	ACT	%FF	July'19	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		47.0		71.4	-34		123.8	0.0	268.3	-54
	FINES		76.0		95.6	-21		240.2	0.0	424.7	-43
	TOTAL	165	123.0	75	167.0	-26	660	364.0	55	693.0	-47
DSP	LUMP		27.2		30.0	-9		89.7	0	131.4	-32
	FINES		45.8		58.0	-21		138.3	0	249.6	-45
	TOTAL	80	73.0	91	88.0	-17	320	228.0	71	381.0	-40
RSP	LUMP		47.0		61.2	-23		159.2	0	240.2	-34
	FINES		98.0		84.8	16		269.8	0	382.8	-30
	TOTAL	165	145.0	88	146.0	-1	660	429.0	65	623.0	-31
ISP	LUMP		28.5		31.0	-8		90.5	0	99.3	-9
	FINES		76.5		84.0	-9		236.5	0	294.7	-20
	TOTAL	130	105.0	81	115.0	-9	520	327.0	63	394.0	-17
BSP	LUMP					0		4.0	0		0
	FINES		9.0		16.0	-44		34.0	0	79.0	-57
	TOTAL	30	9.0	30	16.0	-44	120	38.0	32	79.0	-52
SALES	FINES		5.0					31.0			
	LUMP		149.7		193.6	-23		467.2	0	739.2	-37
	FINES		305.3		338.4	-10		949.8		1430.8	-34
SAIL TOTAL	TOTAL	570	460.0	81	532.0	-14	2280	1417.0	62	2170.0	-35

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

Jul-20

UNIT 000 TONNES

**PRODUCTION**

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR Jul-19	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2020-21	TGT	ACT	%FF	LAST YR Jul-19		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	900	60	58	97.2	99	-40.9	230	189	82.2	372	-49.2	48
	F	3200	205	202	98.8	251	-19.4	775	693	89.4	948	-27.0	
	T	4100	265	261	98.4	350	-25.4	1005	882	87.7	1320	-33.2	
MEGHAHATUBURU 5000	L	750	75	43	57.2	68	-37.3	165	115	69.7	297	-61.3	27
	F	2750	180	114	63.1	212	-46.3	440	340	77.3	954	-64.3	
	T	3500	255	156	61.3	280	-44.1	605	455	75.2	1251	-63.6	
BOLANI 6500	L	2100		146		195	-24.8	435	501	115	836	-40.1	74
	F	4100	305	300	98.2	352	-14.9	1295	1098	84.8	1445	-24.0	
	T	6200	305	446	146.2	547	-18.4	1730	1598	92.4	2281	-29.9	
BARSUA 2500	L	750	65	54	82.6	61	-11.9	205	167	81.3	207	-19.6	56
	F	1450	120	123	102.7	89	37.9	365	301	82.5	286	5.3	
	T	2200	185	177	95.7	150	17.7	570	468	82.1	493	-5.2	
TALDIH 1000	L	350	30	40	131.9	25	60.4	85	88	103	96	-8.2	81
	F	650	50	56	111.6	45	23.7	190	181	95.2	111	62.4	
	T	1000	80	95	119.2	70	36.6	275	269	97.7	207	29.7	
KALTA 2500	L	1100	75	75	100.3	70	7.8	368	369	100	274	34.8	109
	F	1200	75	118	157.4	19	505.5	420	537	128	229	134.6	
	T	2300	150	193	128.8	89	116.5	788	906	115	503	80.3	
GUA 4000	L	900	70	67	95.0	84	-20.9	190	167	87.8	350	-52.3	50
	F	2700	220	174	78.9	209	-17.1	630	503	79.8	840	-40.1	
	T	3600	290	240	82.8	293	-18.2	820	670	81.7	1190	-43.7	
MANOHARPUR 750	L	350	23		44		-100.0	83	61	73.6	118	-48.3	24
	F	400	8		4		-100.0	113	64	56.6	111	-42.2	
	T	750	31		48		-100.0	196	125	63.8	229	-45.3	
TOTAL 27750	L	7200	398	482	121.2	645	-25.2	1761	1656	94	2550	-35.0	58
	F	16450	1163	1086	93.4	1182	-8.1	4228	3717	87.9	4924	-24.5	
	T	23650	1561	1569	100.5	1827	-14.1	5989	5373	89.7	7474	-28.1	

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

Jul-20

**UNIT 000 TONNES**

**DESPATCHES**

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR Jul-19	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON			
		2020-21	TGT	ACT	%FF	LAST YR Jul-19		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END	
		L	900	60	51	85.3	103	-50.5	225	179	79.7	380	-52.9	20	26	30
KIRIBURU		F	3200	175	188	107.5	258	-27.1	690	608	88.1	1097	-44.6	1026	1093	995
		T	4100	235	239	101.8	362	-33.8	915	787	86	1477	-46.7	1046	1119	1025
MEGHAHATUBURU		L	750	75	47	62.8	87	-45.8	170	118	69.3	352	-66.6	29	38	32
		F	2750	135	146	108.2	267	-45.3	375	361	96.2	1127	-68.0	267	289	255
		T	3500	210	193	92.0	354	-45.4	545	479	87.8	1479	-67.6	296	327	287
BOLANI		L	2100	180	169	94.1	203	-16.5	595	520	87.4	793	-34.4	85	83	63
		F	4100	310	286	92.1	328	-12.8	1090	909	83.4	1227	-25.9	1873	2038	2057
		T	6200	490	455	92.9	530	-14.2	1685	1429	84.8	2021	-29.3	1958	2121	2120
BARSUA		L	750	65	55	84.9	58	-4.8	170	163	95.6	221	-26.4	67	39	39
		F	1450	104	135	129.3	65	105.8	271	290	107	286	1.2	198	239	201
		T	2200	169	190	112.3	123	53.8	441	452	103	507	-10.8	265	278	240
TALDIH		L	350		42		27	55.8	70	94	134	95	-1.3	44	5	5
		F	650	50	58	116.2	43	36.0	180	187	104	102	83.4	253	9	12
		T	1000	50	100	200.9	70	43.7	250	281	112	197	42.6	297	14	17
KALTA		L	1100	75	79	104.9	92	-14.7	368	365	99.3	308	18.7		5	2
		F	1200	75	124	166.0	30	317.7	420	537	128	277	94.0	8	14	8
		T	2300	150	203	135.4	122	66.5	788	903	115	585	54.4	8	19	10
GUA		L	900	75	76	101.5	75	1.4	185	178	96.5	330	-46.0	48	49	55
		F	2700	240	159	66.3	192	-17.0	655	455	69.4	813	-44.0	272	279	308
		T	3600	315	235	74.7	267	-11.8	840	633	75.4	1143	-44.6	320	328	363
MANOHARPUR		L	350	20	15	75.1	46	-67.4	85	70	82.4	124	-43.6	1	17	2
		F	400	30	9	31.5	11	-10.2	95	65	68.9	109	-39.7	7	10	1
		T	750	50	24	49.0	57	-56.8	180	136	75.3	233	-41.8	8	27	3
TOTAL		L	7200	550	535	97.3	692	-22.7	1868	1687	90.3	2604	-35.2	294	262	228
		F	16450	1119	1105	98.8	1193	-7.3	3776	3412	90.4	5037	-32.3	3904	3971	3837
		T	23650	1669	1640	98.3	1884	-12.9	5644	5099	90.4	7641	-33.3	4198	4233	4065

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

**Jul-20**

**UNIT '000 TE**

DEVELOPMENT										
	FOR MONTH			LAST YR Jul-19	GRTH %	TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		
KIRIBURU	90	59	65	103	-43	665	638	96	642	-1
MEGHAHATUBURU	290	147	51	279	-47	1,383	1,293	93	1,057	22
BOLANI	325	136	42	118	16	1,115	876	79	561	56
BARSUA	22	41	186	51	-20	397	311	78	187	67
TALDIH	47	47	100	13	251	191	110	58	27	316
KALTA	30	-		5	-100	120	-		162	-100
GUA	110	20	18	30	-33	500	409	82	198	107
MANOHARPUR	14	-		-		29	-		12	-100
<b>TOTAL</b>	<b>928</b>	<b>449</b>	<b>48</b>	<b>599</b>	<b>-25</b>	<b>4,400</b>	<b>3,637</b>	<b>83</b>	<b>2,845</b>	<b>27.8</b>

ROM										
KIRIBURU	300	261	87	360	-27	1,040	882	85	1,330	-34
MEGHAHATUBURU	305	164	54	318	-48	655	491	75	1,332	-63
BOLANI	485	482	99	549	-12	1,910	1,584	83	2,252	-30
BARSUA	215	189	88	159	19	600	532	89	502	6
TALDIH	80	116	145	103	12	275	309	112	277	12
KALTA	150	197	131	84	134	788	957	121	549	74
GUA	290	240	83	293	-18	820	670	82	1,190	-44
MANOHARPUR	31	-		48	-100	196	125	64	229	-45
<b>TOTAL</b>	<b>1,856</b>	<b>1,649</b>	<b>89</b>	<b>1,914</b>	<b>-14</b>	<b>6,284</b>	<b>5,550</b>	<b>88</b>	<b>7,660</b>	<b>-27.5</b>

TOTAL EXCAVATION										
KIRIBURU	390	320	82	462	-31	1,705	1,520	89	1,972	-23
MEGHAHATUBURU	595	310	52	596	-48	2,038	1,783	88	2,389	-25
BOLANI	810	618	76	666	-7	3,025	2,460	81	2,813	-13
BARSUA	237	230	97	210	9	997	843	85	688	22
TALDIH	127	163	128	117	40	466	420	90	304	38
KALTA	180	197	109	89	120	908	957	105	711	35
GUA	400	260	65	323	-20	1,320	1,078	82	1,388	-22
MANOHARPUR	45	-		48	-100	225	125	56	241	-48
<b>TOTAL</b>	<b>2,784</b>	<b>2,098</b>	<b>75</b>	<b>2,513</b>	<b>-17</b>	<b>10,684</b>	<b>9,186</b>	<b>86</b>	<b>10,505</b>	<b>-12.6</b>

## Performance against Last Year

Unit in Te

PREVIOUS 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	228031	176200	51831	334980	290790	44190	92799	84005	8794	2493834	1782379	711455
May-19	513762	305010	208752	600080	348300	251780	677697	570506	107191	256843	180023	76820	53438		212959	159400	53559	373590	292950	80640	62702	61609	1093	2751071	1971236	779835	
Jun-19	518580	360630	157950	611100	335430	275670	736765	583665	153100	219139	160464	58675	87789	74811	12978	180931	129100	51831	355590	312750	42840	37068	35059	2009	2746962	1991909	755053
Jul-19	462420	359820	102600	596481	317610	278871	666320	548798	117522	210022	158842	51180	116769	103413	13356	89383	84200	5183	323473	293490	29983	47976	47976		2512844	1914149	598695
Total	1971682	1330020	641662	2388671	1331550	1057121	2812623	2251555	561068	688416	501741	186675	303837	277278	26559	711304	548900	162404	1387633	1189980	197653	240545	228649	11896	10504711	7659673	2845038

THIS YEAR EXCAVATION PERFORMANCE 2020-21																											
	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-20	387810	270810	117000	584381	242010	342371	725760	413388	312372	225072	160817	64255	120420	80030	40390	351000	351000		346122	276813	69309	36098	36098		2776663	1830966	945697
May-20	407340	140580	266760	493348	13590	479758	578407	294279	284128	165976	20776	145200	61896	58571	3325	241000		251000		251000	45449	45449		2244416	814245	1430171	
Jun-20	404910	209430	195480	395360	71460	323900	537979	394799	143180	221991	161006	60985	74255	54410	19845	168300	168300		220975	152822	68153	43448	43448		2067218	1255675	811543
Jul-20	319680	261090	58590	310320	163800	146520	617615	481527	136088	229972	188992	40980	163076	116229	46847	197000	197000		260287	240127	20160				2097950	1648765	449185
Total	1519740	881910	637830	1783409	490860	1292549	2459761	1583993	875768	843011	531591	311420	419647	309240	110407	957300	957300		1078384	669762	408622	124995	124995		9186247	5549651	3636596

Change Over Last Year

DIFF	-451942	-448110	-3832	-605262	-840690	235428	-352862	-667562	314700	154595	29850	124745	115810	31962	83848	245996	408400	-162404	-309249	-520218	210969	-115550	-103654	-11896	-1318464	-2110022	791558
%Chg	-22.9	-33.7	-0.6	-25.3	-63.1	22.3	-12.5	-29.6	56.1	22.5	5.9	66.8	38.1	11.5	315.7	34.6	74.4	-100.0	-22.3	-43.7	106.7	-48.0	-45.3	-100.0	-12.6	-27.5	27.8

## Performance against Last Year

Unit in Te

	PREVIOUS 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	262700	335635	215460	379261	594721	90186	89837	180023	27238	21392	48630	68818	82737	151555	86275	206675	292950	25831	35778	61609	667206	1302927	1970133
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
Total	381248	948201	1329449	296893	953781	1250674	836325	1445130	2281455	207298	285973	493271	95774	111358	207132	273583	228960	502543	349740	840240	1189980	118137	110513	228650	2558998	4924155	7483153

	THIS YEAR PRODUCTION PERFORMANCE 2020-21																										
	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-20	64085	206725	270810	51803	160986	212789	136306	288167	424473	51170	85597	136767	33616	36738	70355	106802	235996	342798	66417	210396	276813	18389	17709	36098	528589	1242314	1770903
May-20	25584	114996	140580	5607	22768	28375	96999	219500	316499	6951	10005	16956	5637	47970	53607	108804	101477	210281	25469	19980	45449	275052	536696	811747			
Jun-20	41022	168408	209430	14642	43026	57668	121270	290359	411629	54800	82246	137046	9080	40289	49369	78058	81644	159702	33850	118972	152822	17225	26223	43448	369946	851167	1221114
Jul-20	58333	202757	261090	42889	113523	156412	146271	299586	445857	53712	123265	176977	39561	55821	95382	75207	118042	193249	66507	173620	240127	482480	1086614	1569094			
Total	189024	692886	881910	114941	340303	455244	500846	1097612	1598458	166633	301113	467746	87895	180818	268713	368871	537158	906030	166774	502988	669762	61083	63912	124995	1656067	3716790	5372857

	Change Over Last Year																											
	DIFF	-192224	-255315	-447539	-181952	-613478	-795430	-335479	-347518	-682997	-40665	15140	-25525	-7880	69461	61581	95288	308199	403487	-182966	-337252	-520218	-57054	-46601	-103655	-902931	-1207365	-2110296
	%Chg	-50	-27	-34	-61	-64	-64	-40	-24	-30	-20	5	-5	-8	62	30	35	135	80	-52	-40	-44	-48	-42	-45	-35	-25	-28

## Performance against Last Year

Unit in Te

	PREVIOUS YEAR DESPATCH PERFORMANCE 2019-20																										
	Kiriburu			Meghahatuburu			Bolani			Barsua			Taldih			Kalta			Gua			Manoharpur			RMD TOTAL		
	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT	LUMP	FINES	TOT
Apr-19	96988	280794	377782	115405	294500	409906	160085	257840	417926	18255	60941	79197	23870	24945	48815	81820	99024	180844	93757	203027	296784	37460	40809	78269	627641	1261881	1889522
May-19	84249	276191	360439	69662	300928	370590	218759	294752	513511	67408	52621	120030	23807	19674	43481	71974	110531	182505	80272	206594	286866	34307	33098	67405	650438	1294389	1944827
Jun-19	95527	281789	377316	80316	264348	344664	211647	346997	558644	77147	107264	184411	19975	14596	34570	61726	37443	99169	81427	211581	293008	6378	24141	30520	634143	1288159	1922302
Jul-19	103456	258082	361538	87011	266761	353772	202773	327706	530480	58008	65353	123360	27185	42716	69901	92230	29799	122029	75013	191694	266707	46149	10536	56685	691826	1192647	1884472
Total	380219	1096856	1477075	352395	1126537	1478932	793265	1227295	2020560	220819	286179	506998	94837	101931	196768	307750	276797	584547	330469	812896	1143365	124295	108584	232879	2604049	5037075	7641123

	THIS YEAR DESPATCH PERFORMANCE 2020-21																											
	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-20	66305	122229	188534	50658	99991	150649	128843	178047	306890	51317	46778	98095	28439	32205	60644	107184	239373	346557	62011	137549	199560	21689	20062	41751	516447	876233	1392679	
May-20	27981	137685	165666	12068	68827	80896	110724	199681	310404	13806	40785	54591	9881	48182	58064	103125	87802	190927	1511	47544	49055	19272			19272	298369	630506	928875
Jun-20	33764	159932	193696	7938	46056	53994	111060	246099	357159	42264	67458	109721	12945	48462	61407	76404	85476	161881	38881	110634	149515	14061	35941	50003	337317	800058	1137375	
Jul-20	51193	188141	239333	47127	146006	193133	169389	285601	454990	55216	134510	189725	42366	58097	100462	78673	124465	203138	76091	159113	235204	15022	9464	24486	535076	1105396	1640471	
Total	179243	607986	787229	117791	360880	478671	520016	909427	1429443	162603	289530	452133	93631	186945	280576	365386	537116	902502	178494	454840	633334	70044	65468	135512	1687208	3412192	5099401	

Change Over Last Year

DIFF	-200976	-488870	-689846	-234603	-765657	-1000261	-273249	-317868	-591117	-58217	3351	-54865	-1206	85015	83809	57636	260319	317955	-151975	-358056	-510031	-54251	-43116	-97367	-916841	-1624882	-2541723
%Chg	-52.9	-44.6	-46.7	-66.6	-68.0	-67.6	-34.4	-25.9	-29.3	-26.4	1.2	-10.8	-1.3	83.4	42.6	18.7	94.0	54.4	-46.0	-44.0	-44.6	-43.6	-39.7	-41.8	-35.2	-32.3	-33.3

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

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	50	43	87	210	168	80	49	244	70	157	225	440	507	115	459	10	120	201	167	650	675	104	508	33	
MBR	75	47	63	170	111	65	187	-41	85	62	73	295	218	74	386	-43	160	109	68	465	329	71	573	-43	
BOL	15	46	307	40	72	179	315	-77	35	56	159	100	69	69	234	-71	50	102	203	140	140	100	549	-74	
BAR		20			59		221	-73	10			10	15	146	286	-95	10	20	199	10	74	738	507	-85	
TAL							75	-100							36	-100								111	-100
KAL	20			20			3	-100	15	8	56	70	106	151	33	218	35	8	24	90	106	118	37	188	
GUA							23	-100							65	-100								88	-100
MPR	20	15	75	78	64	82	93	-31	10			15	4	24	43	-92	30	15	50	93	68	73	136	-50	
RMD TOT	180	171	95	518	474	91	966	-51	225	283	126	930	918	99	1542	-40	405	455	112	1448	1392	96	2508	-45	
DRZ																									
PUR																									
GR TOT	180	171	95	518	474	91	966	-51	225	283	126	930	918	99	1542	-40	405	455	112	1448	1392	96	2508	-45	

FLUXES

KTR	25	20	81	52	39	76	148	-73
TDMR							31	-100
TOT	25	20	81	52	39	76	178	-78

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

द्वारापूर 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			APP	ACT	%FF	APP	ACT	%FF		
KRB																								
MBR							3	-100								83	-100						87	-100
BOL	100	106	106	385	342	89	330	4	175	171	98	575	510	89	585	-13	275	277	101	960	852	89	915	-7
BAR																								
TAL																								
KAL						4																4		
GUA	10			15	2	10	131	-99				65	2	3	243	-99	10			80	4	5	375	-99
MPR																								
RMD TOT	110	106	96	400	348	87	465	-25	175	171	98	640	512	80	912	-44	285	277	97	1040	860	83	1377	-38
DRZ																								
PUR																								
GR TOT	110	106	96	400	348	87	465	-25	175	171	98	640	512	80	912	-44	285	277	97	1040	860	83	1377	-38

FLUXES

KTR	5	4	79	5	4	79	24	-83
TDMR								
TOT	5	4	79	5	4	79	24	-83

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

**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	10	8	77	15	11	75	331	-97	45			50	4	8	457	-99	55	8	14	65	15	23	788	-98	
MBR					7		162	-96	20	25	124	50	32	64	552	-94	20	25	124	50	39	78	714	-95	
BOL																									
BAR	65	35	54	170	79	46			40	123	308	140	229	163				105	159	151	310	307	99		
TAL		42		70	94	134	20	372	50	58	116	180	187	104	66	183	50	100	201	250	281	112	86	227	
KAL	55	79	143	348	361	104	304	19	60	116	193	330	408	124	243	67	115	195	169	678	769	113	548	40	
GUA																									
MPR				7	6	83	28	-79	20	9	47	80	62	77	60	3	20	9	47	87	68	78	88	-23	
RMD TOT	130	164	126	610	558	91	846	-34	235	332	141	830	921	111	1378	-33	365	496	136	1440	1479	103	2224	-34	
PUR																									
DRZ																									
GR TOT	130	164	126	610	558	91	846	-34	235	332	141	830	921	111	1378	-33	365	496	136	1440	1479	103	2224	-34	

**FLUXES**

KTR	10	8	77	10	8	77	84	-91
TDMR							3	-100
TOT	10	8	77	10	8	77	87	-91

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

बनेपूर 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									30	59	198	30	110	368	105	5	30	59	198	30	110	368	105	5	
BOL	65	18	27	170	106	62	148	-28	15	51	339	215	258	120	409	-37	80	68	86	385	364	95	556	-34	
BAR					10																	10			
TAL																									
KAL																									
GUA	65	76	117	170	177	104	176	1	240	159	66	590	453	77	415	9	305	235	77	760	630	83	591	7	
MPR							3	-100								3	-100						7	-100	
RMD TOT	130	94	72	340	293	86	327	-11	285	269	94	835	821	98	932	-12	415	363	87	1175	1114	95	1259	-12	
DRZ																									
PUR																									
GR TOT	130	94	72	340	293	86	327	-11	285	269	94	835	821	98	932	-12	415	363	87	1175	1114	95	1259	-12	

FLUXES

KTR							
TDMR							
TOT							

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

भेलाइ इस्पात संयंत्र

MINE	LUMP								FINES								TOTAL								UNIT '000 TONNES						
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH							
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF			YR	%					
KRB									60	31	52	200	98	49	181	-46	60	31	52	200	98	49	181	-46							
MBR																															
BOL																															
BAR						15																			15						
TAL																															
KAL																		20	23	117						20	23	117			
GUA																				90	-100								90	-100	
MPR																				3	-100								3	-100	
RMD TOT						15			60	31	52	220	121	55	273	-56	60	31	52	220	136	62	273	-50							
DRZ																															
PUR																															
GR TOT						15			60	31	52	220	121	55	273	-56	60	31	52	220	136	62	273	-50							
FLUXES																															
KTR	30	20	67	38	28	73	167	-83																							
TDMR																				19	-100										
TOT	30	20	67	38	28	73	186	-85																							

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**Jul-20**

**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	60	51	85	225	179	80	380	-53	175	188	108	690	608	88	1097	-45	235	239	102	915	787	86	1477	-47
MBR	75	47	63	170	118	69	352	-67	135	146	108	375	361	96	1127	-68	210	193	92	545	479	88	1479	-68
BOL	180	169	94	595	520	87	793	-34	225	278	123	890	837	94	1227	-32	405	447	110	1485	1357	91	2021	-33
BAR	65	55	85	170	163	96	221	-26	50	123	246	150	243	162	286	-15	115	178	155	320	406	127	507	-20
TAL		42		70	94	134	95	-1	50	58	116	180	187	104	102	83	50	100	201	250	281	112	197	43
KAL	75	79	105	368	365	99	308	19	75	124	166	420	537	128	277	94	150	203	135	788	903	115	585	54
GUA	75	76	101	185	178	96	330	-46	240	159	66	655	455	69	813	-44	315	235	75	840	633	75	1143	-45
MPR	20	15	75	85	70	82	124	-44	30	9	32	95	65	69	109	-40	50	24	49	180	136	75	233	-42
RMD TOT	550	535	97	1868	1687	90	2604	-35	980	1086	111	3455	3294	95	5037	-35	1530	1621	106	5323	4981	94	7641	-35
PUR																								
DRZ																								
GR TOT	550	535	97	1868	1687	90	2604	-35	980	1086	111	3455	3294	95	5037	-35	1530	1621	106	5323	4981	94	7641	-35

**FLUXES**

KTR	70	52	74	105	79	75	422	-81
TDMR							53	-100
TOT	70	52	74	105	79	75	475	-83

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Jul-20

Sale

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																								
BOL							85	8	9	200	72	36				85	8	9	200	72	36			
BAR							54	11	21	121	46	38				54	11	21	121	46	38			
TAL																								
KAL																								
GUA																								
RMD TOT							139	19	14	321	119	37				139	19	14	321	119	37			
PUR																								
DRZ																								
GR TOT							139	19	14	321	119	37				139	19	14	321	119	37			

# FLUX MINES OPERATIONS

Jul-20

UNIT 000 TONNES

## PRODUCTION

MINE		PLAN 2020-21	FOR THE MONTH				GRTH % OVER LSTYR Jul-19	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Jul-19		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	750	70	50	71.0	116	-57.2	105	79	75.3	426	-81.4
TULSIDAMAR	DOLO					22	-100.0				57	-100.0
RMD TOTAL		750	70	50	71.0	138	-63.9	105	79	75.3	483	-83.6

## DESPATCHES

MINE		PLAN 2020-21	FOR THE MONTH				GRTH % OVER LSTYR Jul-19	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	750	70	52	74.2	103	-49.7	105	79	75.2	422	-81.3
TULSIDAMAR	DOLO					20	-100.0				53	-100.0
RMD TOTAL		750	70	52	74.2	123	-57.8	105	79	75.2	475	-83.4

## Performance against Last Year

Unit in Te	PREVIOUS 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
Total	425601	422471	56869	52793	482469	475264

THIS YEAR FLUX PERFORMANCE 2020-21						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-20						
May-20						
Jun-20	29363	27019			29363	27019
Jul-20	49730	51998			49730	51998
Total	79093	79017			79093	79017

Over Last Year

DIFF	-346508	-343454	-56869	-52793	-403376	-396247
%Chg	-81.4	-81.3	-100.0	-100.0	-83.6	-83.4

**QUALITY ANALYSED AT PLANT**

**Jul-20**

**बोकारो इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.5	4	2	10	10	62	4.3	2.5	5	40	TDM	NORM	30	18	5	5	10
	MTH ACT	62.68	3.42	2.12	16.07	23.67	61.55	4.4	2.7	4.76	42.06		MTH ACT					
CUM	2020-21	62.7	3.38	2.12	16.94	21.49	61.71	4.34	2.57	5.88	37.96	CUM	2020-21					
CUM	2019-20	62.72	3.33	2.07	20.7	18.57	61.51	4.46	2.61	8.41	33.38	CUM	2019-20	26.97	16.69	5.79	5.02	8.18

MBR	NORM	62.3	3.8	2.2	10	10	61	4.9	2.6	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	61.68	4.09	2.89	15.96	27.43	61.12	5.05	2.85	4.77	41.97		MTH ACT	44.75	4.17	3.64	4.56	32.92
CUM	2020-21	62.04	3.93	2.55	15.74	24.54	61.18	5.04	2.7	5.64	39.4	CUM	2020-21	43.91	4.69	3.63	4.85	32.58
CUM	2019-20	62.83	3.29	1.96	17.25	21.26	61.48	4.81	2.39	6.06	35.95	CUM	2019-20	42.96	3.93	3.64	10.22	17.95

GUA	NORM	62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45
	MTH ACT										
CUM	2020-21										
CUM	2019-20	61.7	2.67	2.03	18.07	19.25	60.29	3.77	2.54	4.12	37.29

BOL	NORM	62.4	3.1	2.5	10	10	62.2	3.2	2.8	5	35
	MTH ACT	62.64	3.18	2.36	23.08	18.03	61.75	4.26	2.53	5.29	39.98
CUM	2020-21	62.64	3.26	2.31	23.69	18.11	61.74	4.26	2.53	5.6	39.58
CUM	2019-20	62.98	2.67	2.25	21.41	17.44	61.71	4.04	2.68	6.4	35.63

BAR	NORM	62.3	2.8	3	10	10	61.3	3.7	3.5	8	40
	MTH ACT	62.33	2.79	3.23	25.2	17.73					
CUM	2020-21	62.57	2.88	2.81	20.28	22.09	61.35	4.82	2.83	6.05	41.05
CUM	2019-20	62.71	2.56	2.76	18.78	16.84	61.14	4.08	3.53	6.23	33.53

KAL	NORM	63	2.6	2.2	5	5	63	2.9	2.5	5	40
	MTH ACT						62.92	3.27	2.09	3.17	38.37
CUM	2020-21						62.83	3.37	2.29	3.39	32.25
CUM	2019-20	62.72	2.81	2.73	9.33	24.17	62.34	3.59	2.43	4.77	34.46

MPR	NORM	63	2.5	2.2	10	10	63	2.8	2.4	5	40
	MTH ACT	63.36	2.16	2.43	9.18	21.08					
CUM	2020-21	63.3	2.4	2.3	8.65	15.39	62.94	3.28	2.24	4.2	34.5
CUM	2019-20	63.58	2.18	2.05	11.28	10.05	62.83	3.22	2.07	4.62	29.2

TAL	NORM	62.5	2.4	2.4	5	10	62.2	3	3	5	40
	MTH ACT										
CUM	2020-21										
CUM	2019-20	63.2	2.27	2.3	10.64	11	61.81	3.82	2.8	5.04	30.14

**QUALITY ANALYSED AT PLANT**

Jul-20

द्वार्गापूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
MBR	NORM	62.3	3.8	2.2	10	10	61	4.9	2.6	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT												MTH ACT	47	0.9	2.6	7.4	12.7
CUM	2020-21											CUM	2020-21	47	0.90	2.60	7.40	12.70
CUM	2019-20	58.8	6.9	2.6	5.2	17.1	60.89	6.19	2.37	6.73	45.39	CUM	2019-20	45.54	1.84	4.47	12.31	27.93

GUA	NORM	62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45
	MTH ACT										
CUM	2020-21	59.4	5.96	2.53	21.26	7.92	61.68	3.67	2.51	3.63	47.59
CUM	2019-20	61.85	3.86	2.1	13.95	12.49	62.39	3.64	2.48	4.61	48.94

BOL	NORM	62.4	3.1	2.5	10	10	62.2	3.2	2.8	5	35
	MTH ACT	61.93	3.27	2.02	28.11	11.47	61.93	4.2	2.33	8.07	34.7
CUM	2020-21	62.39	2.54	1.94	27.86	11.39	62.12	3.3	2.58	8.51	38.14
CUM	2019-20	62.04	3.01	2.04	25.13	12.27	62.33	3.1	2.64	7.51	41.68

**QUALITY ANALYSED AT PLANT**

**Jul-20**

**राउरकेला इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.5	4	2	10	10	62	4.3	2.5	5	40	TDM	NORM	30	18	5	5	10
	MTH ACT	62.00	3.50	3.00	11.00	25.00							MTH ACT					
CUM	2020-21	62.06	3.28	3.12	10.69	24.38	62.00	3.00	3.10	8.00	39.00	CUM	2020-21					
CUM	2019-20	62.11	4.02	2.57	15.60	21.43	61.48	4.32	2.60	7.56	39.74	CUM	2019-20	29.06	18.58	5.72		

MBR	NORM	62.3	3.8	2.2	10	10	61	4.9	2.6	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT												MTH ACT	48.40	3.20	4.10		
CUM	2020-21	62.00	3.50	3.00			61.47	3.68	3.21	6.88	39.87	CUM	2020-21	48.40	3.20	4.10		
CUM	2019-20	62.08	4.02	2.64	18.06	21.20	61.52	4.21	2.64	9.68	35.69	CUM	2019-20	49.60	2.46	3.69		

GUA	NORM	62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45							
	MTH ACT																	
CUM	2020-21																	
CUM	2019-20						62.10	4.10	1.93	6.50	38.50							

BAR	NORM	62.3	2.8	3	10	10	61.3	3.7	3.5	8	40							
	MTH ACT	62.21	2.86	3.25	9.78	21.22	61.54	3.36	3.48	7.50	40.83							
CUM	2020-21	62.14	3.01	3.17	7.28	21.15	61.50	3.38	3.51	7.60	40.49							
CUM	2019-20	62.14	2.91	3.32	9.95	21.33	61.46	3.54	3.43	7.82	40.41							

KAL	NORM	63	2.6	2.2	5	5	63	2.9	2.5	5	40							
	MTH ACT	63.11	2.16	2.70	6.45	14.09	62.82	2.40	2.62	5.63	40.50							
CUM	2020-21	63.10	2.32	2.52	6.14	13.98	62.86	2.46	2.54	5.75	39.54							
CUM	2019-20	63.16	2.60	2.40	10.27	15.38	62.88	2.50	2.43	7.02	37.60							

MPR	NORM	63	2.5	2.2	10	10	63	2.8	2.4	5	40								
	MTH ACT						63.00	2.17	2.60	6.50	38.50								
CUM	2020-21			2.29	2.36	3.27	7.08	63.11	2.23	2.39	6.47	38.40							
CUM	2019-20	63.38	2.57	2.16	18.74	15.98	62.95	2.57	2.26	7.28	38.28								

TAL	NORM	62.5	2.4	2.4	5	10	62.2	3	3	5	40							
	MTH ACT	63.10	2.28	2.55	7.86	14.71	62.65	2.39	2.87	6.67	40.67							
CUM	2020-21	63.10	2.38	2.46	6.97	14.31	62.68	2.47	2.75	6.37	39.67							
CUM	2019-20	63.09	2.37	2.62	6.61	13.13	62.50	2.89	2.63	3.10	24.02							

**QUALITY ANALYSED AT PLANT**

**Jul-20**

**बर्नपूर 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	4	2	10	10	62	4.3	2.5	5	40	TDM	NORM	30	18	5	5	10
	MTH ACT												MTH ACT					
CUM	2020-21											CUM	2020-21					
CUM	2019-20											CUM	2019-20					

MBR	NORM	62.3	3.8	2.2	10	10	61	4.9	2.6	5	40	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						61.77	4.12	3.06	8.93	37.70		MTH ACT					
CUM	2020-21						62.20	3.78	2.87	9.02	40.73	CUM	2020-21					
CUM	2019-20						62.11	4.72	2.12	8.41	41.06	CUM	2019-20					

GUA	NORM	62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45							
	MTH ACT	63.51	2.54	2.33	9.18	5.18	62.53	3.50	2.78	6.97	41.34							
CUM	2020-21	63.27	3.11	2.05	19.58	4.37	62.58	3.54	2.59	6.83	43.49							
CUM	2019-20	63.11	3.56	1.78	14.02	6.51	62.9	3.72	2.06	7.07	46.31							

BOL	NORM	62.4	3.1	2.5	10	10	62.2	3.2	2.8	5	35							
	MTH ACT	62.93	3.16	2.35	12.56	6.41	61.36	4.35	3.58	7.97	38.36							
CUM	2020-21	63.02	3.50	1.93	26.27	4.02	62.30	3.51	2.94	9.33	40.43							
CUM	2019-20	63.07	3.66	1.88	23.47	6.32	62.52	3.76	2.48	8.71	40.57							

MPR	NORM	63	2.5	2.2	10	10	63	2.8	2.4	5	40							
	MTH ACT																	
CUM	2020-21																	
CUM	2019-20						62.65	4.43	2.56	5.78	47.69							

**QUALITY ANALYSED AT PLANT**

Jul-20

**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	4	2	10	10	62	4.3	2.5	5	40	TDM	30	18	5	5	10	
	MTH ACT						63.78	3.24	1.83	6.19	48.60		MTH ACT					
CUM	2020-21						63.17	3.17	2.26	5.65	48.38	CUM	2020-21					
CUM	2019-20						62.33	4.25	2.49	8.37	43.22	CUM	2019-20	28.48	18.26	7.2	29.99	11.53

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%	
MTH ACT																		
CUM	2020-21											CUM	2020-21	50.29	2.01	3.64	4.73	16.80
CUM	2019-20											CUM	2019-20	49.85	2.16	3.87	9.05	18.42

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%	
MTH ACT																		
CUM	2020-21											CUM	2020-21	50.29	2.01	3.64	4.73	16.80
CUM	2019-20											CUM	2019-20	49.85	2.16	3.87	9.05	18.42

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%	
MTH ACT																		
CUM	2020-21						63.70	3.55	2.64	1.35	47.10	CUM	2020-21	50.29	2.01	3.64	4.73	16.80
CUM	2019-20						62.89	3.62	2.69	2.23	48.01	CUM	2019-20	49.85	2.16	3.87	9.05	18.42

**किरीबुरू**

**लम्प**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.34	3.76	2.37	17.65	20.27	6.13	0.63	1047714
APP 20-21	62.50	4.00	2.00	10.00	10.00	6.00	0.50	
Apr-20	62.68	3.43	2.05	20.03	17.76	5.48	0.60	70527
May-20	62.81	2.97	2.43	13.95	25.09	5.40	0.82	27981
Jun-20	62.61	3.50	2.13	13.34	23.67	5.63	0.61	33764
Jul-20	62.58	3.43	2.25	15.30	23.87	5.69	0.66	51294
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.66	3.37	2.18	16.55	21.67	5.55	0.65	183566

**किरीबुरू**

**फाईन्स**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	61.63	4.38	2.60	8.17	36.95	6.98	0.59	2937149
APP 20-21	62.00	4.30	2.50	5.00	40.00	6.80	0.58	
Apr-20	61.52	4.27	2.76	7.82	39.10	7.03	0.65	122327
May-20	62.15	3.93	2.54	6.26	33.75	6.47	0.64	137409
Jun-20	62.18	4.12	2.26	5.03	41.04	6.38	0.55	152670
Jul-20	61.83	4.25	2.59	4.94	42.88	6.85	0.61	192612
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.93	4.15	2.53	5.84	39.58	6.68	0.61	605018

**मेघाहातुबुरू**

**लम्प**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.58	3.53	2.18	17.48	21.23	5.71	0.62	1095394
APP 20-21	62.30	3.80	2.20	10.00	10.00	6.00	0.58	
Apr-20	62.57	3.47	2.26	14.02	24.41	5.72	0.65	46036
May-20	61.87	4.17	2.53	17.43	20.63	6.70	0.61	15877
Jun-20	61.00	5.05	3.03	19.90	18.90	8.08	0.60	7938
Jul-20	61.68	4.09	2.89	15.96	27.43	6.98	0.71	38877
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.03	3.91	2.58	15.64	24.54	6.49	0.66	108728

**मेघाहातुबुरू**

**फाईन्स**

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	61.53	4.72	2.44	7.39	37.44	7.16	0.52	2863144
APP 20-21	61.00	4.90	2.60	5.00	40.00	7.50	0.53	
Apr-20	61.32	4.92	2.57	6.55	39.05	7.49	0.52	103855
May-20	61.89	4.07	2.77	7.62	40.01	6.85	0.68	72029
Jun-20	61.53	4.83	2.65	5.66	41.01	7.48	0.55	44880
Jul-20	61.43	4.61	2.95	6.76	39.93	7.56	0.64	140237
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.50	4.62	2.77	6.73	39.83	7.39	0.60	361001

बोलानी

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.47	3.05	2.06	23.92	12.38	5.11	0.68	2050355
APP 20-21	62.40	3.10	2.50	10.00	10.00	5.60	0.81	
Apr-20	62.86	2.57	1.86	27.93	11.67	4.43	0.72	127088
May-20	62.50	2.97	2.05	31.03	8.10	5.02	0.69	108272
Jun-20	62.73	2.45	1.84	24.51	9.33	4.29	0.75	106987
Jul-20	62.23	3.23	2.15	25.07	12.64	5.38	0.66	159098
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.55	2.84	1.99	26.96	10.71	4.83	0.70	501445

गुआ

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.84	3.57	1.85	14.15	8.29	5.42	0.52	971413
APP 20-21	62.50	3.50	2.10	10.00	10.00	5.60	0.60	
Apr-20	63.56	3.05	1.60	28.59	3.19	4.65	0.52	65457
May-20	56.00	9.80	3.10	22.50	8.80	12.90	0.32	1690
Jun-20	62.21	4.32	2.27	24.95	4.92	6.59	0.53	37257
Jul-20	63.51	2.54	2.33	9.18	5.18	4.87	0.92	75915
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.19	3.16	2.06	19.61	4.44	5.22	0.65	180319

बोलानी

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.31	3.42	2.60	7.72	40.54	6.02	0.76	3640773
APP 20-21	62.20	3.20	2.80	5.00	35.00	6.00	0.88	
Apr-20	62.37	2.86	2.69	8.14	41.20	5.55	0.94	158750
May-20	62.14	3.23	3.01	7.83	41.48	6.24	0.93	192288
Jun-20	62.42	2.81	2.39	10.51	37.95	5.20	0.85	132210
Jul-20	61.79	4.24	2.59	7.51	36.39	6.83	0.61	268742
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.11	3.44	2.68	8.25	38.98	6.12	0.78	751990

गुआ

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.77	3.80	2.16	5.92	47.61	5.96	0.57	2417238
APP 20-21	62.50	3.70	2.30	5.00	45.00	6.00	0.62	
Apr-20	62.85	3.58	2.02	6.48	45.96	5.61	0.56	142807
May-20	62.79	3.29	2.59	7.85	40.64	5.88	0.79	46141
Jun-20	62.13	3.65	3.09	6.50	44.67	6.74	0.85	104695
Jul-20	62.53	3.50	2.78	6.97	41.34	6.28	0.79	152056
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.57	3.54	2.59	6.79	43.53	6.13	0.73	445699

### बरसुआ

### लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.43	2.74	3.02	14.70	19.15	5.75	1.10	764040
APP 20-21	62.30	2.80	3.00	10.00	10.00	5.80	1.07	
Apr-20	62.05	3.39	2.95	37.34	13.13	6.34	0.87	51318
May-20	62.10	2.69	3.25	28.88	18.25	5.94	1.21	13806
Jun-20	62.29	3.12	3.06	17.23	21.08	6.18	0.98	45123
Jul-20	62.25	2.84	3.24	14.69	20.11	6.08	1.14	51837
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.18	3.08	3.10	23.78	18.01	6.18	1.01	162084

### बरसुआ

### फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	61.27	3.85	3.49	6.87	36.26	7.35	0.91	1102998
APP 20-21	61.30	3.70	3.50	8.00	40.00	7.20	0.95	
Apr-20	61.60	3.30	3.50	8.00	40.00	6.80	1.06	40785
May-20	61.36	3.36	3.72	8.00	40.40	7.08	1.11	40784
Jun-20	61.43	3.77	3.31	7.11	40.13	7.08	0.88	126937
Jul-20	61.54	3.36	3.48	7.50	40.83	6.84	1.04	123190
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.48	3.51	3.45	7.47	40.41	6.96	0.98	331696

### तल्डीह

### लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	63.13	2.34	2.47	8.99	12.81	4.81	1.06	387144
APP 20-21	62.50	2.40	2.40	5.00	10.00	4.80	1.00	
Apr-20	63.10	2.50	2.40	6.30	14.00	4.90	0.96	28500
May-20	63.10	2.33	2.33	5.30	13.70	4.66	1.00	9952
Jun-20	63.10	2.53	2.33	6.50	14.00	4.86	0.92	9080
Jul-20	63.10	2.28	2.55	7.86	14.71	4.83	1.12	44530
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.10	2.38	2.46	6.97	14.31	4.84	1.03	92062

### तल्डीह

### फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.35	3.09	2.66	4.92	34.79	5.75	0.86	605598
APP 20-21	62.20	3.00	3.00	5.00	40.00	6.00	1.00	
Apr-20	62.70	2.60	2.60	6.00	38.00	5.20	1.00	32000
May-20	62.68	2.55	2.68	6.50	39.20	5.23	1.05	48182
Jun-20	62.71	2.41	2.76	6.00	40.00	5.17	1.15	40289
Jul-20	62.65	2.39	2.87	6.67	40.67	5.26	1.20	65492
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.68	2.47	2.75	6.37	39.68	5.22	1.11	185963

मनोहरपुर

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	63.53	2.26	2.08	12.37	10.81	4.34	0.92	375543
APP 20-21	63.00	2.50	2.20	10.00	10.00	4.70	0.88	
Apr-20	63.30	2.33	2.26	10.48	10.24	4.59	0.97	22245
May-20	63.17	2.70	2.26	7.12	15.46	4.96	0.84	19471
Jun-20	63.41	2.35	2.23	6.31	13.73	4.58	0.95	10558
Jul-20	63.36	2.16	2.43	9.18	21.08	4.59	1.13	19140
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.30	2.39	2.30	8.60	15.09	4.69	0.96	71414

मनोहरपुर

फाइंस

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.90	2.73	2.25	6.41	35.70	4.98	0.82	349237
APP 20-21	63.00	2.80	2.40	5.00	40.00	5.20	0.86	
Apr-20	63.10	2.40	2.30	6.00	39.00	4.70	0.96	16141
May-20								
Jun-20	63.14	2.26	2.37	6.49	37.65	4.62	1.05	35974
Jul-20	63.00	2.17	2.60	6.50	38.50	4.77	1.20	10455
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.10	2.28	2.39	6.37	38.14	4.67	1.05	62570

काल्टा

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	63.14	2.61	2.41	10.19	15.82	5.02	0.92	845508
APP 20-21	63.00	2.60	2.20	5.00	5.00	4.80	0.85	
Apr-20	63.10	2.40	2.40	6.20	13.60	4.80	1.00	109393
May-20	63.10	2.42	2.43	5.80	14.00	4.85	1.00	99534
Jun-20	63.06	2.20	2.65	6.38	14.21	4.85	1.20	76043
Jul-20	63.11	2.16	2.70	6.45	14.09	4.86	1.25	80072
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.09	2.31	2.53	6.18	13.94	4.84	1.09	365042

काल्टा

फाईंस

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 19-20	62.81	2.72	2.44	6.55	37.46	5.16	0.89	825355
APP 20-21	63.00	2.90	2.50	5.00	40.00	5.40	0.86	
Apr-20	62.95	2.69	2.47	5.11	38.87	5.17	0.92	222845
May-20	62.85	2.81	2.48	4.94	35.57	5.30	0.88	87917
Jun-20	62.85	2.89	2.41	4.75	36.66	5.30	0.84	86359
Jul-20	62.83	2.49	2.57	5.39	40.29	5.05	1.03	129816
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.89	2.69	2.49	5.09	38.31	5.18	0.92	526937

गुणवत्ता :: बोकारो

लम्प

BLEND	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 19-20	62.92	2.85	2.20	17.50	17.40	5.05	0.77	
APP 20-21	62.54	3.39	2.23	10.00	10.00	5.62	0.66	
Apr-20	62.75	3.27	2.14	17.73	18.80	5.41	0.65	154338
May-20	62.67	3.18	2.43	15.73	20.54	5.61	0.76	73628
Jun-20	62.56	3.35	2.38	14.49	22.64	5.73	0.71	78491
Jul-20	62.47	3.30	2.52	18.00	22.18	5.83	0.76	159864
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.61	3.28	2.35	16.91	20.89	5.64	0.72	466321

गुणवत्ता:: दूर्गापूर

लम्प

BLEND	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 19-20	62.00	3.15	2.06	23.31	12.37	5.21	0.65	
APP 20-21	62.41	3.15	2.45	10.00	10.00	5.60	0.78	
Apr-20	62.92	2.00	1.83	27.08	11.79	3.83	0.92	85930
May-20	61.64	3.07	2.21	30.45	11.18	5.28	0.72	61360
Jun-20	62.79	1.95	1.83	25.49	10.85	3.78	0.94	86905
Jul-20	61.93	3.27	2.02	28.11	11.47	5.29	0.62	99645
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.36	2.56	1.96	27.59	11.34	4.52	0.76	333840

गुणवत्ता :: बोकारो

फाईस

BLEND	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 19-20	61.51	4.37	2.68	6.77	34.33	7.05	0.61	
APP 20-21	61.92	4.08	2.53	5.00	40.00	6.61	0.62	
Apr-20	61.55	4.58	2.55	7.04	37.14	7.13	0.56	232293
May-20	61.86	4.16	2.67	5.59	33.09	6.83	0.64	186996
Jun-20	62.00	4.30	2.34	4.76	37.48	6.64	0.54	214788
Jul-20	61.55	4.46	2.68	4.79	41.51	7.14	0.60	295312
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.71	4.39	2.57	5.51	37.79	6.96	0.58	929389

गुणवत्ता:: दूर्गापूर

फाईस

BLEND	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 19-20	62.23	3.40	2.60	7.03	43.00	6.00	0.76	
APP 20-21	62.10	3.38	2.76	5.00	40.00	6.14	0.82	
Apr-20	62.34	2.69	2.80	8.18	41.32	5.49	1.04	128440
May-20	61.62	3.19	3.08	6.30	41.25	6.27	0.97	75595
Jun-20	62.42	2.81	2.39	10.51	37.95	5.20	0.85	132210
Jul-20	61.93	4.20	2.33	8.07	34.70	6.53	0.55	168025
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.12	3.30	2.58	8.47	38.22	5.88	0.78	504270

गुणवत्ता :: राउरकेला

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 19-20	62.58	3.21	2.63	12.70	18.53	5.84	0.82	
APP 20-21	62.54	2.87	2.49	10.00	10.00	5.36	0.87	
Apr-20	63.06	2.47	2.42	5.83	12.83	4.89	0.98	147023
May-20	63.07	2.42	2.45	5.89	14.26	4.88	1.01	113044
Jun-20	63.06	2.31	2.59	6.47	14.80	4.89	1.12	90975
Jul-20	62.87	2.40	2.79	7.74	16.27	5.19	1.16	167774
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.27	2.42	2.58	6.37	14.59	5.00	1.07	518816

गुणवत्ता :: बनंपुर इस्पात संयंत्र

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 19-20	63.10	3.60	1.82	17.42	6.44	5.41	0.50	
APP 20-21	62.47	3.37	2.23	10.00	10.00	5.60	0.66	
Apr-20	63.39	3.33	1.58	30.33	3.23	4.91	0.48	85020
May-20	63.45	3.02	1.87	31.64	3.27	4.89	0.62	44820
Jun-20	62.11	4.19	2.56	22.83	5.24	6.75	0.61	70379
Jul-20	63.40	2.66	2.33	9.82	5.41	4.99	0.88	93480
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.10	3.28	2.10	22.21	4.41	5.37	0.64	293699

गुणवत्ता :: राउरकेला

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 19-20	61.97	3.57	2.66			6.23	0.75	
APP 20-21	62.00	3.68	2.79	5.00	40.00	6.47	0.76	
Apr-20	62.69	2.63	2.65			5.28	1.01	271325
May-20	62.33	2.81	2.90			5.71	1.03	151577
Jun-20	62.45	2.68	2.84			5.52	1.06	164580
Jul-20	62.29	2.76	3.01			5.77	1.09	316174
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.44	2.72	2.85			5.57	1.05	903656

गुणवत्ता :: बनंपुर इस्पात संयंत्र

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 19-20	62.65	3.88	2.22	7.84	43.54	6.10	0.57	
APP 20-21	62.18	3.83	2.44	5.00	40.00	6.27	0.64	
Apr-20	62.85	3.54	2.04	6.71	45.44	5.58	0.58	163740
May-20	62.65	3.20	2.83	8.93	41.71	6.03	0.88	187080
Jun-20	62.16	3.71	3.02	6.59	44.79	6.73	0.81	125411
Jul-20	62.14	3.80	2.99	7.59	39.98	6.79	0.79	257341
Aug-20								
Sep-20								
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.45	3.57	2.72	7.78	42.32	6.29	0.76	733572

**भिलाई**

**BF Limestone**

	CaO	MgO	SiO2	OS	US
<b>Act 19-20</b>	<b>49.85</b>	<b>2.16</b>	<b>3.87</b>	<b>9.05</b>	<b>18.42</b>
<b>APP 20-21</b>	<b>50.00</b>	<b>2.25</b>	<b>3.50</b>	<b>5.00</b>	<b>5.00</b>
<b>Apr-20</b>					
<b>May-20</b>					
<b>Jun-20</b>	<b>49.20</b>	<b>2.74</b>	<b>4.10</b>	<b>4.30</b>	<b>12.00</b>
<b>Jul-20</b>	<b>50.71</b>	<b>1.72</b>	<b>3.47</b>	<b>4.90</b>	<b>18.66</b>
<b>Aug-20</b>					
<b>Sep-20</b>					
<b>Oct-20</b>					
<b>Nov-20</b>					
<b>Dec-20</b>					
<b>Jan-21</b>					
<b>Feb-21</b>					
<b>Mar-21</b>					
<b>CUMML</b>	<b>50.29</b>	<b>2.01</b>	<b>3.64</b>	<b>4.73</b>	<b>16.80</b>

**बोकारो**

**BF Limestone**

	CaO	MgO	SiO2	OS	US
<b>Act 19-20</b>	<b>42.96</b>	<b>3.93</b>	<b>3.64</b>	<b>10.22</b>	<b>17.95</b>
<b>APP 20-21</b>	<b>50.00</b>	<b>2.25</b>	<b>3.50</b>	<b>5.00</b>	<b>5.00</b>
<b>Apr-20</b>					
<b>May-20</b>					
<b>Jun-20</b>	<b>43.06</b>	<b>5.22</b>	<b>3.62</b>	<b>5.14</b>	<b>32.23</b>
<b>Jul-20</b>	<b>44.75</b>	<b>4.17</b>	<b>3.64</b>	<b>4.56</b>	<b>32.92</b>
<b>Aug-20</b>					
<b>Sep-20</b>					
<b>Oct-20</b>					
<b>Nov-20</b>					
<b>Dec-20</b>					
<b>Jan-21</b>					
<b>Feb-21</b>					
<b>Mar-21</b>					
<b>CUMML</b>	<b>43.91</b>	<b>4.69</b>	<b>3.63</b>	<b>4.85</b>	<b>32.58</b>

**राउरकेला**

**BF Limestone**

	CaO	MgO	SiO2	OS	US
<b>Act 19-20</b>	<b>49.60</b>	<b>2.46</b>	<b>3.69</b>		
<b>APP 20-21</b>	<b>50.00</b>	<b>2.25</b>	<b>3.50</b>	<b>5.00</b>	<b>5.00</b>
<b>Apr-20</b>					
<b>May-20</b>					
<b>Jun-20</b>					
<b>Jul-20</b>	<b>48.40</b>	<b>3.20</b>	<b>4.10</b>		
<b>Aug-20</b>					
<b>Sep-20</b>					
<b>Oct-20</b>					
<b>Nov-20</b>					
<b>Dec-20</b>					
<b>Jan-21</b>					
<b>Feb-21</b>					
<b>Mar-21</b>					
<b>CUMML</b>	<b>48.40</b>	<b>3.20</b>	<b>4.10</b>		

**कुट्टेश्वर**

**PLANT BLEND Limestone**

	CaO	MgO	SiO2	OS	US
<b>Act 19-20</b>	<b>47.47</b>	<b>2.85</b>	<b>3.73</b>	<b>6.42</b>	<b>12.12</b>
<b>APP 20-21</b>	<b>50.00</b>	<b>2.25</b>	<b>3.50</b>	<b>5.00</b>	<b>5.00</b>
<b>Apr-20</b>					
<b>May-20</b>					
<b>Jun-20</b>	<b>45.08</b>	<b>4.40</b>	<b>3.78</b>	<b>4.86</b>	<b>25.56</b>
<b>Jul-20</b>	<b>48.03</b>	<b>2.72</b>	<b>3.56</b>	<b>4.17</b>	<b>19.85</b>
<b>Aug-20</b>					
<b>Sep-20</b>					
<b>Oct-20</b>					
<b>Nov-20</b>					
<b>Dec-20</b>					
<b>Jan-21</b>					
<b>Feb-21</b>					
<b>Mar-21</b>					
<b>CUMML</b>	<b>47.06</b>	<b>3.28</b>	<b>3.63</b>	<b>4.40</b>	<b>21.73</b>

# PERFORMANCE REPORT OF HEMM

KIRIBURU IRON ORE MINES

Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILS. UPTO Mar-20	UTILS. UPTO July-20	MAKE / TYPE	CAP	DATE OF COMMISSION	July-20											2020-2021											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/H R	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/ HR	
<b>EXCAVATORS [4]</b>																												
BE-18	23133	23133	BEML,BE-1000	4.5CU.M	31-Jul-08	540	540											2180	2180									
EX-20	27411	28471	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	540	48	157	492	335	91.1	68.1	62.0	1491	4.45	57.31	2180	382	738	1798	1060	82.5	59.0	48.6	5637	5.32	65.80	
EX-22	18554	19629	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	540	40	146	500	354	92.6	70.8	65.6	1781	5.03	67.80	2180	274	831	1906	1075	87.4	56.4	49.3	6786	6.31	72.70	
EX-23	19279	19902	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	540	388	107	152	45	28.1	29.6	8.3	280	6.22	55.56	2180	943	614	1237	623	56.7	50.4	28.6	4463	7.16	67.58	
						TOTAL	1620	476	410	1144	734	70.6	64.2	45.3	3552	4.84	62.26	6540	1599	2183	4941	2758	75.6	55.8	42.2	16886	6.12	68.89
<b>DUMPERS-85T&amp;100T [4]</b>																												
DUM-87	13802	13802	BEML,BH-85	85Te	30-Mar-08	540	540										-	-	2180	2180								
DUM-88	32004	32567	KOMATSU HD785-7	100 Te	23-Jul-10	540	299	124	241	117	44.63	48.55	21.67	449	3.84	47.86	2180	672	945	1508	563	69.2	37.3	25.8	3149	5.59	42.18	
DUM-89	36420	37211	KOMATSU HD785-7	100Te	23-Jul-10	540	118	165	422	257	78.15	60.90	47.59	833	3.24	41.44	2180	430	959	1750	791	80.3	45.2	36.3	3414	4.32	39.44	
DUM-91	19584	19974	CAT 777D	100T	2-Feb-12	540	540									-	-	2180	604	1186	1576	390	72.3	24.7	17.9	2124	5.45	39.49
DUM-92	21991	21991	CAT 777D	100T	2-Feb-12	540	540									-	-	2180	2180									
DUM-93	10379	10659	BEML BH-100	100T	2-May-15	540	290	82	250	168	46.30	67.20	31.11	504	3.00	40.48	2180	1536	364	644	280	29.5	43.5	12.8	969	3.46	54.29	
DUM-94	9498	10441	BEML BH-100	100T	2-May-15	540	51	208	489	281	90.56	57.46	52.04	952	3.39	46.26	2180	240	997	1940	943	89.0	48.6	43.3	4163	4.41	41.57	
DUM-95	7350	7982	BEML BH-100S	100T	May 2016	540	6	304	534	230	98.89	43.07	42.59	824	3.58	41.09	2180	86	1462	2094	632	96.1	30.2	29.0	3077	4.87	34.57	
						TOTAL	3780	1844	883	1936	1053	51.22	54.39	27.86	3562	3.38	43.21	15260	5748	5913	9512	3599	62.3	37.8	23.6	16896	4.69	40.79
<b>DRILL [4]</b>																												
DM-17	23260	23514	IR-ROTACOL-IDM-30	160mm	24-Mar-05	432	213	110	219	109	50.69	49.77	25.23			22.94	1744	1243	247	501	254	28.7	50.7	14.6	1441	5.67	23.82	
DM-18	27113	27685	AC-ROTACOL-IDM-30	160mm	19-May-08	432	157	120	275	155	63.66	56.36	35.88			23.23	1744	702	471	1042	572	59.7	54.8	32.8	1573	2.75	23.88	
DM-19	18828	18828	AC-ROTACOL-IDM-30	160mm	14-Oct-09	432	432									1744	1744											
DM-20	12516	12641	AC-ROTACOL-IDM-30	160mm	Oct '14	432	305	68	127	59	29.40	46.46	13.66			23.73	1744	1463	157	281	125	16.1	44.3	7.1			27.31	
						TOTAL	1728	1107	298	621	323	35.94	52.01	18.69			23.22	6976	5152	874	1824	950	26.1	52.1	13.6	3014	3.17	24.32
<b>DOZER [6]</b>																												
DOZ-29	18180	18180	BEML, D-355	410HP	11-Jun-04	432	432									-	-	1744	1744									
DOZ-30	21866	22322	BEML, D-355	410HP	8-Jul-07	432	252	112	180	68	41.7	37.8	15.7			21.32	1744	580	708	1164	456	66.7	39.2	26.1			28.07	
DOZ-31	20482	20482	BEML, D-355	410 HP	19-Feb-09	432	432									-	-	1744	1744									
DOZ-32	7480	7521	BEML, D-355	410 HP	17-Apr-15	432	432									-	-	1744	1629	74	115	41	6.6	35.7	2.4			37.80
DOZ-33	6174	6203	BEML, D-356	410HP	22-Sep-17	432	432									-	-	1744	1678	37	66	29	3.8	43.9	1.7			24.14
DOZ-34	3074	4089	BEML, D-356	410HP	31-Dec-18	432		129	432	303	100.0	70.1	70.1			26.57	1744	53	676	1691	1015	97.0	60.0	58.2			29.36	
						TOTAL	2592	1980	241	612	371	23.6	60.6	14.3			26.55	10464	7428	1495	3036	1541	29.0	50.8	14.7			29.10
<b>PAY LOADER [1]</b>																												
FEL-4	13839	14260	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	216	4	108	212	104	98.15	49.06	48.15			13.46	872	112	339	760	421	87.2	55.4	48.3			16.98	
<b>MPTOR GRADER [3]</b>																												
MG-7	6322	6322	BEML, BG825	280HP	10-Jul-91	216		216	216		100.00					-	-	872	208	664	664		76.15					
MG-8	3137	3137	BEML, BG825	280HP	19-May-12	216	216		430	432	2	80.0	0.5	0.4			-	-	872	664	208	208		23.85				
MG-9	454	606	BEML, BG825	280HP	5-Mar-19	216	88	97	128	31	59.26	24.22	14.35			30.65	872	310	410	562	152	64.4	27.05	17.43			25.66	
						TOTAL	648	304	313	344	31	53.09	9.01	4.78			30.65	2616	1182	1282	1434	152	54.82	10.60	5.81			25.66
<b>WATER TANKER [3]</b>																												
WT-83	20862	20862	BEML, WS-28-2	28KL	21-Mar-05	540	540									-	-	2180	1660	520	520		23.9					
WT-90	13584	13787	BEML, WS-28-2	28KL	Mar '11	540	108	430	432	2	80.0	0.5	0.4			50.00	2180	679	1298	1501	203	68.9	13.5	9.3			24.63	
WT-96	1121	1355	BEML, WS-28-2	28KL	17-Feb-19	540		510	540	30	100.0	5.6	5.6			20.00	2180	650	1296	1530	234	70.2	15.3	10.7			22.65	
						TOTAL	1620	648	940	972	32	60.0	3.3	2.0			21.88	6540	2989	3114	3551	437	54.3	12.3	6.7			23.57
<b>Rock Breaker/Backhoe [1]</b>																												
EX-21	5260	5526	R340lc-7	1.62 CuM	25-Sep-13	540	72	413.00	468	55	86.67																	

## MEGAHATUBURU IRON ORE MINES

## Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar-20	UTILIS. UPTO July-20	MAKE / TYPE	CAPACITY	DATE OF COMM	July-20										2020-2021												
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	Net UT%	F/RATE	HSD/ HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	NET UT %	TRIP / MT.	FEED RATE	HSD/ HR		
EXCAVATORS 4.5 CUM. [ 1 ]																												
BE-11	37624	37812	BEML	4.5 CUM	30-09-2005	648	379	200	269	69.50	41.5	25.8	10.7	0.78	22.88	2616	922	1507	1695	188	64.8	11.1	7.2	134	0.7	22		
EXCAVATORS 9.5 CUM. [ 3 ]																												
PC-14	35497	36370	KOMATSU	9.5 CUM	20-01-2012	648	193	188	455	267	70.2	58.7	41.2	6.29	83.9	2616	927	816	1689	873	64.6	51.7	33.4	6437	7.4	83		
PC-17	20150	20687	KOMATSU	9.5 CUM	24-07-2015	648	648				-	-	-	-	-	2616	1529	550	1087	537	41.6	49.4	20.5	4254	7.9	86		
PC-18	32213	33248	KOMATSU	9.5 CUM	11-07-2016	648	190	189	458	269	70.7	58.7	41.5	6.37	79.6	2616	718	863	1898	1035	72.6	54.5	39.6	7655	7.4	83		
						TOTAL	1944	1031	377	913	536	47.0	58.7	27.6	6.3	82.5	7848	3174	2229	4674	2445	59.6	52.3	31.2	18346	7.5	84	
DUMPER,50 TE [ 2 ]																												
D - 49	28294	28294	BEML	50 TON	05-03-2007						-	-	-	-	-											-	-	
D - 50	23971	24121	BEML	50 TON	15-04-2007	648	648				-	-	-	-	-	2616	1894	572	722	150	27.6	20.8	5.7	132	0.9	24		
						TOTAL	648	648				-	-	-	-	-	2616	1894	572	722	150	27.6	20.8	5.7	132	0.9	24	
DUMPER,100 TE [ 7 ]																												
D - 51	33446	34266	KOMATSU	100 TON	01-09-2010	648	648				-	-	-	-	-	2616	1172	625	1445	820	55.2	56.8	31.3	4124	5.0	36		
D - 52	34385	35479	KOMATSU	100 TON	01-09-2010	648	157	210	491	281	75.8	57.2	43.4	3.99	32.1	2616	545	977	2071	1094	79.2	52.8	41.8	5070	4.6	35		
D - 53	33339	34146	KOMATSU	100 TON	01-09-2010	648	167	397	481	84	74.2	17.5	13.0	3.55	31.5	2616	690	1119	1926	807	73.6	41.9	30.8	3720	4.6	35		
D - 54	16657	16961	CATER	100 TON	06-02-2012	648	227	361	422	61	65.0	14.5	9.4	3.03	33.8	2616	779	1534	1838	304	70.2	16.5	11.6	1348	4.4	35		
D - 55	19883	20327	CATER	100 TON	06-02-2012	648	213	263	436	173	67.2	39.7	26.7	4.32	34.4	2616	510	1663	2107	444	80.5	21.1	17.0	2005	4.5	35		
D - 56	10205	10521	BEML	100 TON	09-05-2016	648	198	270	450	180	69.4	40.0	27.8	3.94	34.2	2616	491	1810	2126	316	81.3	14.9	12.1	1291	4.1	35		
D - 57	9831	10043	BEML	100 TON	09-05-2016	648	201	347	447	100	69.0	22.4	15.4	3.87	39.0	2616	530	1874	2086	212	79.7	10.2	8.1	876	4.1	38		
						TOTAL	4536	1810	1847	2726	879	60.1	32.2	19.4	3.92	34.3	18312	4715	9600	13597	3997	74.3	29.4	21.8	18434	4.6	35	
DRILL [ 4 ]																												
DM - 7	25649	26193	IR	6 " DIA	01-04-2005	324	88	91	236	146	72.8	61.7	44.9	8.1	42.3	1308	381	384	928	544	70.9	58.7	41.6	3220	5.9	36		
DM - 8	23744	24505	IR	6 " DIA	05-05-2008	324	81	65	243	179	75.0	73.5	55.1	4.9	34.2	1308	287	261	1021	761	78.1	74.5	58.1	5427	7.1	33		
DM - 9	21887	22390	IR	6 " DIA	16-09-2009	324	84	74	241	167	74.2	69.4	51.5	3.9	36.8	1308	465	341	844	503	64.5	59.6	38.5	2651	5.3	35		
DM - 10	14805	14805	IR	6 " DIA	06-11-2014	324	324				-	-	-	-	-	1308	1308									-	-	
						TOTAL	1296	577	229	720	491	55.5	68.2	37.9	5.5	37.5	5232	2440	985	2792	1808	53.4	64.7	34.5	11298	6.3	35	
DOZER [ 7 ]																											-	
DOZ-23	22218	22218	BEML	410 HP	02-10-2008	648	648				-	-	-	-	-	2616	2616											
DOZ-24	20490	20964	BEML	410 HP	06-04-2010	648	258	286	391	105	60.3	26.9	16.2		34.7	2616	586	1556	2030	474	77.6	23.3	18.1			35		
DOZ-25	9736	10092	BEML	410 HP	28-12-2010	648	321	261	328	67	50.5	20.5	10.3		37.3	2616	840	1420	1776	356	67.9	20.0	13.6			36		
DOZ-26	17136	17136	BEML	410 HP	16-05-2011	648	648				-	-	-		-	2616	2616											
DOZ-27	10780	11075	BEML	410 HP	28-04-2015	648	395	215	253	39	39.0	15.2	5.9		36.4	2616	1072	1249	1544	295	59.0	19.1	11.3			35		
DOZ-28	5353	5758	BEML	410HP	31-03-2018	648	375	223	273	51	42.1	18.5	7.8		34.7	2616	1156	1056	1461	405	55.8	27.7	15.5			34		
DOZ-29	3605	4227	BEML	410HP	19-12-2018	648	215	257	433	177	66.8	40.8	27.2		32.6	2616	591	1404	2025	622	77.4	30.7	23.8			34		
						TOTAL	4536	2644	1455	1892	438	41.7	23.1	9.6		34.4	18312	9477	6684	8836	2152	48.2	24.4	11.7			-	
PAY LOADER [ 1 ]																												
PL - 03	4756	4756	HYUNDAI	3.7 CU.M	18-09-2012	648	648									-	-	2616	2616									
BACK HOE [ 3 ]																												
BE-12A	23544	23920	BEML	1.2 CUM	Nov'08	648	284	283	364	81	56.2	22.3	12.5		23.7	2616	902	1339	1715	376	65.5	21.9	14.4			23		
HT-15	22024	22934	TCECL	1.5 CUM	03-10-2012	648	323	178	325	147	50.2	45.2	22.7		24.2	2616	933	774	1683	910	64.3	54.0	34.8	58		23		
HT-16	13526	13526	TCECL	1.5 CUM	01-12-2014	648	648								-	2616	2616										-	
						TOTAL	1944	1255	461	689	228	35.4	33.1	11.7		24.0	7848	4451	2112	3398	1285	43.3	37.8	16.4	58		23	
WATER TANKER [ 3 ]																												
WT - 05	20515	20633	BEML	28 KL	15-02-2007	648	648									-	-	2616	2359	139	257	118	9.8	45.9	4.5	50	0.4	26
WT - 06	12453	12859	BEML	28 KL	17-08-2012	648	165	428	483	56	74.5	11.5	8.6	0.9	24.3	2616	758	1452	1858	407	71.0	21.9	15.5	209	0.5	24		
WT - 45	31885	32072	BEML	MODIFIED	29-09-2004	648	648								-	-	2616	1670	759	946	187	36.2	19.8	7.1	114	0.6	23	
						TOTAL	1944	1461	428	483	56	24.8	11.5	2.9	0.9	24.3	7848	4787	2350	3061	712	39.0	23.2	9.1	373	0.5	24	
MOTOR GRADER [ 2 ]																												
MG-5	4256	4517	BEML		01-03-2011	216	110	67	106	39	49.1	36.8	18.1		24.36	872	257	355	616	261	70.6	42.4	29.9			24		
MG-6	3312	3329.5	BEML		09-05-2016	216	168	30	48	18	22.2	37.5	8.3		25.0													

## PERFORMANCE REPORT OF HEMM

BOLANI ORE MINES

Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILS. UPTO Mar-20	UTILS. UPTO July-20	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	July-20												2020-2021											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/ HR	SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/ HR		
<b>EXCAVATORS [ 6 ]</b>																													
EX-26	31751	32064	BEML PC-1000(D)	4.5 CuM	24-Jun-05	648	126	428	522	95	80.6	18.1	14.6	736	7.79	29.3	2616	1204	1100	1412	313	53.99	22.13	11.95	2352	7.53	33.17		
					SUB TOTAL	648	126	428	522	95	80.6	18.1	14.6	736	7.79	29.3	2616	1204	1100	1412	313	53.99	22.13	11.95	2352	7.53	33.17		
EX-28	15893	15989	BE-1600	7.5 Cu.m	22-Jun-10	648	42	595	606	12	93.5	1.9	1.8	48	4.17	26.1	2616	1443	1077	1173	96	44.84	8.21	3.68	305	3.17	59.52		
EX-29	28531	29510	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	648	8	476	640	164	98.8	25.7	25.4	944	5.74	81.2	2616	323	1314	2293	979	87.64	42.69	37.41	4321	4.42	84.38		
EX-30	18511	19770	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	648	25	317	623	306	96.2	49.1	47.2	1777	5.81	73.6	2616	255	1103	2361	1255	90.27	53.31	48.12	6377	5.07	75.88		
EX-31	17165	18035	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	648	24	282	624	342	96.4	54.8	52.8	1837	5.37	78.6	2616	901	845	1715	870	65.57	50.73	33.26	3193	3.67	74.91		
					SUB TOTAL	2592	99	1670	2494	824	96.2	33.0	31.8	4606	5.59	76.6	10464	2922	4338	7542	3204	72.08	42.48	30.62	14196	4.43	77.72		
					TOTAL	3240	224	2098	3016	918	93.1	30.4	28.3	5342	5.82	71.7	13080	4125	5438	8955	3516	68.46	39.27	26.88	16548	4.71	73.76		
<b>DUMPER,50 TE [ 2 ]</b>																													
HP-30	17659	17683	C.I.773D(I)	50 T	01-Mar-06	648	648									-	-	2616	2396	196	220	24	8.41	10.91	0.92	246	10.25	28.13	
HP-32	24216	24635	BEML BH-50M	50 T	06-Mar-08	648	127	427	521	94	80.4	18.0	14.5	736	7.83	19.6	2616	512	1685	2104	419	80.42	19.92	16.02	3315	7.91	20.80		
					TOTAL	1296	775	427	521	94	40.2	18.0	7.3	736	8	19.6	5232	2908	1881	2324	443	44.41	19.06	8.47	3561	8.04	21.20		
<b>DUMPER,100 TE [ 8 ]</b>																													
HP-32A	31203	32629	KOMATSU HD785-7	100 T	22-Jun-10	648	20	230	628	398	96.8	63.4	61.4	1284	3.23	39.3	2616	150	1039	2466	1426	94.26	57.84	54.52	3668	2.57	39.75		
HP-34	28704	29608	KOMATSU HD785-7	100 T	22-Jun-10	648	555	44	93	49	14.4	52.5	7.6	120	2.45	28.7	2616	836	876	1780	904	68.05	50.79	34.57	2249	2.49	36.27		
HP-35	16980	17210	BEML BH-100	100 T	22-Jun-10	648	356	216	293	77	45.1	26.3	11.9	232	3.01	49.4	2616	1166	1220	1450	230	55.44	15.86	8.80	542	2.36	45.99		
HP-36	12315	12369	BEML BH-100	100 T	22-Jun-10	648	600	40	48	8	7.4	16.7	1.2			51.3	2616	2154	409	463	54	17.68	11.68	2.06	161	2.98	27.13		
HP-37	22120	22136	CAT 777D	100 T	25-Jan-12	648	640		8	8	1.2	100.0	1.2				2616	2592	8	24	16	0.92	66.67	0.61					
HP-38	12532	13342	BEML BH-100S	100 T	03-May-16	648	236	124	412	288	63.6	69.9	44.4	747	2.59	28.5	2616	668	1139	1948	810	74.48	41.55	30.95	2117	2.62	34.04		
HP-39	11763	12531	BEML BH-100S	100 T	03-May-16	648	43	269	605	336	93.3	55.6	51.9	1036	3.08	40.9	2616	1136	712	1480	768	56.58	51.88	29.36	1723	2.24	41.74		
					TOTAL	5184	2491	1219	2693	1474	51.9	54.7	28.4	4387	2.98	37.6	20928	9411	6432	11517	5084	55.03	44.15	24.29	13169	2.59	38.71		
<b>DRILL [ 4 ]</b>																													
DM-11	18411	18827	AC-ROTACOL-IDM-30	160mm	14-Feb-08	432	159	188	273	85	63.2	31.2	19.7	985	11.57	38.1	1744	491	837	1253	416	71.83	33.18	23.83	4950	11.91	38.61		
DM-12	19335	19614	AC-ROTACOL-IDM-30	160mm	12-Aug-09	432	181	161	251	90	58.2	35.8	20.8	1355	15.06	36.2	1744	646	819	1098	279	62.96	25.41	16.00	5405	19.37	38.46		
DM-12A	17535	17622	AC-ROTACOL-IDM-30	160mm	22-Mar-11	432	236	140	197	57	45.5	28.8	13.1	679	12.02	55.3	1744	1146	511	598	87	34.27	14.57	4.99	1329	15.26	67.67		
DM-14	11965	12702	AC-ROTACOL-IDM-30	160mm	19-Nov-14	432	29	213	403	190	93.3	47.1	44.0	2334	12.28	32.2	1744	161	846	1583	737	90.75	46.56	42.25	10458	14.19	33.72		
					TOTAL	1728	604	702	1124	422	65.0	37.5	24.4	5353	12.69	37.4	6976	2445	3013	4531	1519	64.95	33.51	21.77	22142	14.58	37.87		
<b>DOZER [ 8 ]</b>																													
DOZ-22	16088	16088	BEML BD355	410 HP	06-Jul-07											-	-												
DOZ-23	12986	13251	BEML BD355	410 HP	27-Aug-08	632	45	579	587	8	92.9	1.4	1.3			172.5	2000	235	1500	1765	265	88.3	15.0	13.3			52.6		
DOZ-24	14088	14601	BEML BD355	410 HP	09-Mar-10	432	217	118	215	97	49.8	45.2	22.5			21.3	1744	457	774	1288	513	73.8	39.9	29.4			30.2		
DOZ-25	12577	12906	BEML BD355	410 HP	09-Mar-10	432	190	188	242	54	56.0	22.3	12.5			53.0	1944	514	1101	1430	329	73.6	23.0	16.9			44.7		
DOZ-26	8686	8686	BEML BD355	410 HP	03-May-14	432	432									-	-	1744	1744										
DOZ-27	7656	7965	BEML BD355	410 HP	03-May-14	648	26	559	622	64	96.0	10.2	9.8			110.9	2272	285	1678	1987	309	87.5	15.6	13.6			58.9		
DOZ-28	7805	8143	BEML BD355	410 HP	26-Apr-16	648	36	495	612	117	94.4	19.1	18.1			40.3	2584	322	1924	2262	338	87.5	15.0	13.1			41.7		
DOZ-29	2460	3309	BEML BD355	410 HP	15-Apr-19	432	84	161	348	187	80.6	53.6	43.2			26.0	1744	187	708	1557	849	89.3	54.5	48.7			28.1		
					TOTAL	3656	1030	2100	2626	526	71.8	20.0	14.4			43.6	14032	3743	7685	10289	2604	73.3	25.3	18.6			38.5		
<b>PAY LOADER [ 3 ]</b>																													
PL-20	14898	14898	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	648	648									-	-	2616	2616										
PL-22	10958	11029	Hyundai-hl770-7A	280 HP	26-May-10	648	648									-	-	2616	1933	612	683	71	26.11	10.40	2.71			20.24	
PL-23	12852	13480	Kawasaki, 90ZV	257 HP	07-Oct-15	648	208	308	440	132	67.9	29.9	20.3			23.2	2616	511	1477										

# PERFORMANCE REPORT OF HEMM

## BARSUA IRON MINES

### Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar-20	UTILIS. UPTO July-20	MAKE / TYPE	CAP	DATE OF COMMISSION	July-20										2020-2021											
						SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT%	TRIP	FEED RATE	HSD/H R	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	26834	26985	BEML,BE-1000	4.5 CuM	Mar-04											-	-	600	177	272	423	151	70.5	35.7	25.2	6.60	46.0
EX-22	21087	21943	BEML,BE-1000	4.5 CuM	22-Dec-08	648	161	253	487	234	75.2	48.0	36.1	953	4.07	45.3	2472	919	697	1553	856	62.8	55.1	34.6	5.98	46.8	
EX-23	16253	16911	BEML, BE-1000	4.5CuM	18-Feb-10	648	112	306	536	230	82.7	42.9	35.5	1339	5.82	43.3	2472	821	993	1651	658	66.8	39.9	26.6	5.07	47.0	
EX-27	4523	5339	BEML, BE-1000-1	4.5 CuM	19-Dec-17	648	75	263	573	310	88.4	54.1	47.8	1939	6.25	62.9	2472	272	1384	2200	816	89.0	37.1	33.0	5.74	60.6	
						TOTAL	1944	348	822	1596	774	82.1	48.5	39.8	4231	5.47	51.7	8016	2189	3346	5827	2481	72.7	42.6	31.0	5.70	51.4
EX-21	18158	18158	TELCON,1200V-1018	5.9 CuM	28-May-07	648	648									-	-	2472	2472								
EX-24	14045	14146	BEML, BE-1600	7.5CuM	04-Aug-11	648	648									-	-	2472	2196	175	276	101	11.2	36.6	4.1	7.55	80.2
						TOTAL	1296	1296									4944	4668	175	276	101	5.6	36.6	2.0	7.55	80.2	
<b>DUMPER,50 TE [ 5 ]</b>																											
HPD-90	17679	17844	BEML,210M	50T	1-Apr-05	648	162	358	486	128	75.0	26.3	19.8	322	2.52	28.2	2472	1727	580	745	165	30.1	22.1	6.7	2.57	33.5	
BH-93	24399	24399	BH-50 M	50T	1-Feb-08																						
BH-94	23537	23677	BH-50 M	50T	22-Dec-08	648	65	502	583	81	90.0	13.9	12.5	225	2.78	28.8	2472	1255	1077	1217	140	49.2	11.5	5.7	2.68	32.5	
BH-95	31498	31929	BH-50 M	50T	6-Feb-09	648	95	463	553	90	85.3	16.3	13.9	211	2.34	29.9	2472	367	1674	2105	431	85.2	20.5	17.4	2.78	28.9	
BH-96	26943	27454	BH-50 M	50T	20-Aug-09	648	129	420	519	99	80.1	19.1	15.3	261	2.64	33.4	2472	639	1322	1833	511	74.2	27.9	20.7	2.70	29.8	
						TOTAL	3024	508	2116	2516	400	83.2	15.9	13.2	1272	3.18	29.8	11536	4094	6109	7442	1333	64.5	17.9	11.6	2.72	29.4
<b>DUMPER,60 TE [ 3 ]</b>																											
HPD-101	7543	8985	BEML,BH-60	60 T	16-Nov-17	648	60	147	588	441	90.7	75.0	68.1	1100	2.49	39.7	2472	330	700	2142	1442	86.7	67.3	58.3	2.82	41.5	
HPD-102	8067	9012	BEML,BH-60	60 T	23-Nov-17	648	100	171	548	377	84.6	68.8	58.2	976	2.59	38.7	2472	823	704	1649	945	66.7	57.3	38.2	2.77	40.4	
HPD-103	4179	5595	BEML,BH-60	60 T	08-May-19	648	65	148	583	435	90.0	74.6	67.1	1084	2.49	36.2	2472	376	680	2096	1416	84.8	67.6	57.3	2.47	37.6	
						TOTAL	1296	225	318	1071	753	82.6	70.3	58.1	2032	2.70	42.6	7416	1529	2084	5887	3803	79.4	64.6	51.3	1.76	39.8
<b>DUMPER,100 TE [ 2 ]</b>																											
BH-97	10132	10132	BEML,BH-100	100 T	4-Aug-11	648		648	648		100.0					-	-	2472	1200	1272	1272		51.5				
BH-98	8941	9241	BEML,BH-100	100 T	04-Aug-11	648	60	562	588	26	90.7	4.4	4.0	52	2.00	46.2	2472	408	1764	2064	300	83.5	14.5	12.1	2.68	47.6	
						TOTAL	1296	60	1210	1236	26	95.4	2.1	2.0	52	2.00	46.2	4944	1608	3036	3336	300	67.5	9.0	6.1	2.68	47.6
<b>DRILL [ 3 ]</b>																											
DM-7	23690	23690	AC - IDM-30	160mm	29-Jan-98	432	416	16	16		3.7					-	-	1648	1416	232	232		14.1				
DM-9	10417	10512	AC - IDM-30	160mm	30-Sep-09	432	358	63	74	11	17.1	14.9	2.5			27.3	1648	875	678	773	95	46.9	12.3	5.8	7.75	34.2	
DM-10	5936	6273	AC - IDM-30	160mm	14-Jan-15	432	205	146	227	81	52.5	35.7	18.8			34.6	1648	476	835	1172	337	71.1	28.8	20.4	6.13	33.7	
						TOTAL	1296	979	225	317	92	24.5	29.0	7.1		33.7	4944	2767	1745	2177	432	44.0	19.8	8.7	6.48	33.8	
<b>DOZER [ 6 ]</b>																											
TR-36 (B/V)	14105	14546	BEMLD,D-155A	320 HP	23-Apr-05	648	78	312	570	258	88.0	45.3	39.8			39.3	2472	1322	709	1150	441	46.5	38.3	17.8		40.7	
TR-37	16010	16145	BEMLD,D-155A	320 HP	22-Jun-07	648	261	330	387	57	59.7	14.7	8.8			51.8	2472	1855	482	617	135	25.0	21.9	5.5		48.0	
TR-38	16556	16572	BEML, D-355	410 HP	16-Feb-10	648	542	104	106	2	16.4	1.9	0.3			275.0	2472	2186	270	286	16	11.6	5.6	0.6		71.9	
TR-39	10795	11235	BEML, D-355	410 HP	10-Apr-12	648	316	219	332	113	51.2	34.0	17.4			34.5	2472	983	1049	1489	440	60.2	29.6	17.8		31.4	
TR-40	6283	6689	BEML, D-355	410 HP	6-Jun-14	648	264	286	384	98	59.3	25.5	15.1			39.3	2472	891	1175	1581	406	64.0	25.7	16.4		39.8	
TR-9(K)	619	869	BEML, D-155	320 HP	1-Oct-19												1200	131	819	1069	250	89.1	23.4	20.8		42.0	
						TOTAL	3240	1461	1251	1779	528	54.9	29.7	16.3		40.5	13560	7368	4504	6192	1688	45.7	27.3	12.4		39.1	
<b>PAY LOADER [ 2 ]</b>																											
FEL-6	10228	10365	&T KOMAT. WA-470-3	260 HP	21-Jan-09	324	163	136	161	25	49.7	15.5	7.7			9.6	1236	305	794	931	137	75.3	14.7	11.1		15.7	
FEL-7	6451	6537	HYUNDAI	280 HP	27-Aug-11	324	177	61	147	86	45.4	58.5	26.5			17.5	1236	1089	61	147	86	11.9	58.5	7.0		17.5	
						TOTAL	648	340	197	308	111	47.5	36.0	17.1		15.7	2472	1394	855	1078	223	43.6	20.7	9.0		16.4	
<b>MOTOR GRADER [ 1 ]</b>																											
MG-6	7820	8008	BEML bt 825	280HP	14-Sep-02	432	241	162	191	29	44.2	15.2	6.7			24.5	1648	703	757								

EQUIPMENTS	UTILIS. UPTO Mar'20	UTILIS. UPTO July-20	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	July-20										2020-2021											
						SCH. HRS.	BD HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/H R	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD /HR		
<b>EXCAVATORS[4]</b>																											
D-12A	18064	18064	BE 1000(D)	4.5 CuM	27-Apr-08									-	-	1344	1344										
D-12	11566	11566	BE 1600	7.5 CuM	16-Feb-11	648	648							-	-	2616	2616										
D-14	29194	29831	KOMATSU	9.5 CuM	06-Apr-12	648	48	272	601	329	92.7	54.7	50.7	3.2	66.2	2616	1169	811	1448	637	55.3	44.0	24.4	3.2	74.1		
D-15	22153	23141	KOMATSU	9.5 CuM	31-Aug-15	648	98	262	550	288	84.9	52.4	44.4	3.3	90.5	2616	353	1276	2263	988	86.5	43.6	37.7	4.2	80.5		
D-16	1595	2982	LIEBHERR	9.5 CuM	30-Sep-19	648	51			269						2616	359	870	2257	1387	86.3	61.5	53.0	4.2	90.8		
					TOTAL	2592	844	534	1151	886	44.4	77.0	34.2	3.3	80.8	10464	4497	2956	5968	3012	57.0	50.5	28.8	4.0	83.9		
<b>DUMPER,50 TE[3]</b>																											
R/D-85	18561	18561	BEML-BH-50M	50 Te	Mar- 08	648	648							-	-	2616	2616										
R/D-86	20060	20060	BEML-BH-50M	50Te	Sep-08	648	648							-	-	2616	2616										
R/D-87	17443	17443	BEML-BH-50M	50Te	Dec-08	648	648							-	-	2616	2616										
					TOTAL	1944	1944									7848	7848										
<b>DUMPER,100 TE[6]</b>																											
R/D-88	24777	25668	KOMAT.HD785-7	100 T	10-Sep-10	648	174	97	474	378	73.15	79.64	58.26	2.11	47.36	2616	1558	167	1058	891	40.4	84.2	34.1	2.4	51.1		
R/D-89	32442	33975	KOMAT.HD785-7	100 T	10-Sep-10	648	84	102	564	462	87.0	81.9	71.3	2.0	43.6	2616	641	443	1976	1533	75.5	77.6	58.6	2.7	46.9		
R/D-90	21852	22510	CAT 777D	100 T	25-Jan-12	648	283	226	365	140	56.3	38.2	21.5	1.8	45.2	2616	1036	922	1580	658	60.4	41.7	25.2	2.9	45.9		
R/D-91	18567	19273	CAT 777D	100 T	25-Jan-12	648	126	202	522	321	80.6	61.4	49.5	2.0	52.6	2616	1274	636	1342	706	51.3	52.6	27.0	3.3	58.7		
R/D-92	12826	13300	BEML- BH 100	100 T	27-May-15	648	455	73	194	121	29.9	62.3	18.6	2.3	67.0	2616	1738	405	879	474	33.6	53.9	18.1	3.2	61.4		
R/D-93	12621	12644	BEML - BH 100	100 T	10-Jun-15	648	648							-	-	2616	2570	24	46	23	1.8	48.9	0.9	3.5	106.2		
					TOTAL	3888	1769	699	2119	1420	54.5	67.0	36.5	2.1	48.8	15696	8817	2595	6879	4284	43.8	62.3	27.3	2.8	51.5		
<b>DRILL[4]</b>																											
DM-10	17867	18174	IR-ROTACOL-IDM-30	160mm	Feb- 04	432	171	141	262	121	60.5	46.1	27.9	12.7	33.4	1744	891	547	854	307	48.9	36.0	17.6	15.3	32.9		
DM-12A	9411	9938	AC-ROTACOL-IDM-30	160mm	Sep-08	432	134	175	299	124	69.1	41.4	28.6	11.8	36.4	1744	622	596	1122	527	64.3	46.9	30.2	15.2	38.3		
DM-14	10805	10805	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	432	432							-	-	1744	1744										
DM-15	7344	7463	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	432	432							-	-	1744	1347	279	398	119	22.8	29.9	6.8	3.7	32.9		
					TOTAL	1728	1168	316	560	244	32.4	43.6	14.1	12.2	34.9	6976	4603	1421	2373	953	34.0	40.1	13.7	13.8	35.9		
<b>DOZER[6]</b>																											
DOZ-21	17420	17973	BEML D-355	410 HP	May- 03	648	191	200	458	258	70.60	56.39	39.81		27.50	2376	879	945	1498	553	63.0	36.9	23.3		30.7		
DOZ-22	18826	18826	BEML D-355	410 HP	Feb-04	432	432							-	-	1984	1744	240	240		12.1						
DOZ-23	17288	17288	BEML D-355	410 HP	May-08	648	648							-	-	2376	2376										
DOZ-24	14258	14401	BEML D-355	410 HP	Sep-08	432	119	287	313	26	72.5	8.3	6.0		20.8	1984	890	952	1094	143	55.1	13.0	7.2		29.6		
DOZ-25	11179	11946	BEML D-355	410 HP	25-Apr-14	648	315	167	334	167	51.5	50.1	25.8		29.1	2376	898	712	1479	767	62.2	51.9	32.3		37.8		
DOZ-26	11004	11775	BEML D-355	410 HP	08-Sept-17	432	39	220	393	173	91.0	44.0	40.0		27.3	1984	222	992	1763	771	88.8	43.7	38.9		29.6		
					TOTAL	3240	1743	873	1497	624	46.2	41.7	19.3		27.6	13080	7008	3840	6073	2233	46.4	36.8	17.1		32.9		
<b>PAY LOADER[2]</b>																											
PL-7	12770	12770	L&T KOMAT. WA-470-	260 HP	21-Jan-09	648	648							-	-	2616	2616										
PL-8	5007	5007	Hyundai-hl770-7A	280 HP	01-Jun-10	648	648							-	-	2616	2616										
					TOTAL	1296	1296									5232	5232										
<b>Back Hoe [2]</b>																											
BACK HOE-02	9412	10338	BEMLBE-300LC	1.2 CU.M	May-09	648	212	123	437	314	67.36	71.82	48.38		14.77	2616	1351	340	1265	926	48.4	73.2	35.4		13.5		
BACK HOE-03	6545	6545	BEMLBE-300LC	1.25 CU.M	25-Sep-13	648	432	216	216		33.33			-	-	2168	1952	216	216		10.0						
					TOTAL	1296	644	339	653	314	50.35	48.05	24.19		14.77	4784	3303	556	1481	926	31.0	62.5	19.3		13.5		
<b>Water Sprinkler [2]</b>																											
WT-5	15817	15968	WS-28	28 KL	May-05	432	1	430	432	2	99.9	0.5	0.5			1744	166	1428	1579	151	90.5	9.6	8.7		19.1		
WT-6	6544	6613	BEML,WS 28-2	28 KL	Jan-09	432	432							-	-	1744	1531	145	213	69	12.2	32.2	3.9		13.9		
					TOTAL	864	433	430	432	2	49.9	0.5	0.2			3488	1697	1572	1792	220	51.4	12.3	6.3		17.4		
<b>Motor Grader [2]</b>																											
MG-6	4263	4446	BG 605	280HP	May-08	432	324	71	108	37	24.9	34.3	8.6		12.2	1744	1115										

**EQUIPMENT AVAILABILITY & UTILISATION**  
**Jul-20**

		KIRIBURU						MEGHAHATUBURU						BOLANI						BARSUA						GUA			
		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		
DRILL	150 mm	70	70	36	52	26	52	56	68	53	65							24	29	44	20	26	55	34	40				
SHOVEL	HYD(D) ≤4.5 m <sup>3</sup>	70	75					42	26	65	11	94	2	45	8	82	48	73	43										
	HYD(D) >4.5 m <sup>3</sup>	85	80	71	64	76	56	47	59	60	52	93	30	68	39			6	37	55	47	57	50						
DUMPER	85/ 60 tn	65	75														83	70	79	65									
	50 tn	70	80							28	21						83	16	65	18									
	100 tn	85	80	51	54	62	38	60	32	74	29						95	2	67	9	34	40	44	62					
DOZER		70	70	24	61	29	51	42	23	48	24						55	30	46	27	45	41	46	37					
CRUSHING PLANT		85	85					97	59	98	34	93	64	90	63														
SCREENING PLANT		85	85					95	55	98	34																		
OHP		85	85	89	63	90	59	88	54	96	35						96	47	97	32	92	64	94	56					

**Consumption of Key Consumables in 2020-21**  
**Kiriburu**

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2015-16	2021760	758860	2780620	585470	31933017	107099	3648780	178245	2088990	201910	0.10	0.47	5.40	17.95
2016-17	2177112	702490	2879602	573840	31702875	101640	3891780	242370	2663910	0	0.08	0.44	4.66	15.36
2017-18	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
2018-19	1956167	446003	2402170	413826	31857068	83816	3650940	234000	1002060	349644	0.08	0.50	6.52	17.47
2019-20	1833402	238708	2072110	338472	31327142	79170	3628320	296130	1250100	49192	0.06	0.42	6.05	15.95
<b>2020-21</b>	<b>396435</b>	<b>135183</b>	<b>531618</b>	<b>71671</b>	<b>2234880</b>	<b>20580</b>	<b>881910</b>	<b>0</b>	<b>637830</b>	<b>0</b>	<b>0.05</b>	<b>0.35</b>	<b>1.47</b>	<b>13.54</b>
Apr-20	124077	51600	175677	19607	769200	4410	270810	0	117000	0	0.05	0.45	1.98	11.37
May-20	98120	20420	118540	12816	548200	2730	140580	0	266760	0	0.03	0.29	1.35	6.70
Jun-20	96171	21137	117308	13075	402280	6930	209430	0	195480	0	0.03	0.29	0.99	17.11
Jul-20	78067	42026	120093	26173	515200	6510	261090	0	58590	0	0.08	0.38	1.61	20.36

**Meghahatuburu**

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2015-16	2225132	166400	2391532	519270	19481640	115697	3737160	0	1716350	896600	0.08	0.43	3.57	20.70
2016-17	2572886	44085	2616971	515440	17964960	126531	3711060	162000	2828750	234000	0.07	0.39	2.68	19.06
2017-18	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
2018-19	2575594	100790	2676384	572008	18050111	117281	3697950	172500	2645300	300000	0.08	0.41	2.77	18.15
2019-20	2481781	133520	2615301	605115	17857680	125253	3816200	34900	3243170	352114	0.08	0.37	2.52	17.50
<b>2020-21</b>	<b>582188</b>	<b>36080</b>	<b>618268</b>	<b>100662</b>	<b>4064164</b>	<b>32419</b>	<b>450263</b>	<b>40597</b>	<b>1179540</b>	<b>113009</b>	<b>0.06</b>	<b>0.37</b>	<b>2.43</b>	<b>19.43</b>
Apr-20	179376	11560	190936	28029	1160567	6286	221827	20183	319680	22691	0.05	0.35	2.07	11.38
May-20	148063	7840	155903	32496	650132	10430	13590	0	425160	54598	0.07	0.34	1.48	23.05
Jun-20	128634	5250	133884	16303	1010587	4349	71460	0	288180	35720	0.04	0.36	2.81	11.80
Jul-20	126115	11430	137545	23834	1242878	11354	143386	20414	146520	0	0.08	0.47	4.01	38.49

### Consumption of Key Consumables in 2020-21

#### 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)						0.11	0.43	4.8
NORM										0.43	4.8	25
2015-16	2259467	913430	21800400	106130	3598770	1735825	1382700	1085889	0.12	0.40	3.25	18.66
2016-17	2538285	618000	22677280	116550	4014310	1667532	1534785	920488	0.08	0.41	3.14	18.81
2017-18	2514011	935809	20339200	125936	3712455	1543746	1417555	1853008	0.11	0.42	3.05	21.06
2018-19	2490224	1024680	19637760	115744	3977468	1676535	1370685	1606906	0.12	0.40	2.80	18.76
2019-20	2448841	1005417	20580240	143470	4231140	1714956	1647120	724266	0.12	0.38	2.71	22.11
<b>2020-21</b>	<b>777222</b>	<b>338107</b>	<b>6540480</b>	<b>46130</b>	<b>1161610</b>	<b>422383</b>	<b>437460</b>	<b>438308</b>	<b>0.14</b>	<b>0.43</b>	<b>3.24</b>	<b>25.43</b>
Apr-20	211152	93554	1593840	12712	308510	104878	132710	179662	0.13	0.41	2.92	24.81
May-20	177387	72510	1538640	9282	206550	87729	167850	116278	0.13	0.42	3.33	21.82
Jun-20	187288	82992	1616880	14196	297360	97439	51120	92060	0.15	0.47	3.63	35.86
Jul-20	201395	89051	1791120	9940	349190	132337	85780	50308	0.14	0.42	3.16	20.68

#### Gua

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.09	0.55	4.6	25
2015-16	2632296	18880	2651176	413320	18358728	92732	3565810	284938	1540315	198718	0.08	0.51	3.60	17.91
2016-17	2933129	2804	2935933	438030	18480528	106696	3774559	239976	1554059	0	0.08	0.54	3.32	19.80
2017-18	3087765	2220	3089985	388490	18466944	105288	4002700	0	1573793	0	0.07	0.55	3.31	18.88
2018-19	3090800	0	3090800	422803	18845542	110814	3307804.77	363065	1345070	762619	0.08	0.63	3.76	22.46
2019-20	2729087	34535	2763622	400233	18260687	102046	3694740	0	610365	87500	0.09	0.64	4.24	23.58
<b>2020-21</b>	<b>680090</b>	<b>7000</b>	<b>687090</b>	<b>71007</b>	<b>6090511</b>	<b>30504</b>	<b>669762</b>	<b>0</b>	<b>408622</b>	<b>0</b>	<b>0.07</b>	<b>0.64</b>	<b>5.65</b>	<b>28.29</b>
Apr-20	223739	0	223739	24576	1523870	8092	276813	0	69309	0	0.07	0.65	4.40	23.38
May-20	130734	0	130734	23313	1473458	9576	0	0	251000	0	0.09	0.52	5.87	38.15
Jun-20	128668	3000	131668	4458	1419973	4508	152822	0	68153	0	0.02	0.60	6.43	20.40
Jul-20	196949	4000	200949	18660	1673210	8328	240127	0	20160	0	0.07	0.77	6.43	32.00

### Consumption of Key Consumables in 2020-21

#### Brasua -Taldih

Item	HSD			Expl	Power	Lubricant	BARSUA ROM	TALDIH ROM	BARSUA OB		TALDIH OB		EXPL	HSD	POWER	LUB
	(in Liter)		(in kg)						DEPTT	CONT	DEPTT	CONT				
NORM	MINES	DGSET	TOTAL						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
2019-20	1398696	237480	1636176	264736	14801934	45360	1797862	1262832.12	563335	0	0	231646.7	0.07	0.69	6.27	19.21
<b>2020-21</b>	<b>461936</b>	<b>25110</b>	<b>487046</b>	<b>30550</b>	<b>4808148</b>	<b>18432</b>	<b>531591</b>	<b>309240</b>	<b>311420</b>	<b>0</b>	<b>0</b>	<b>110407</b>	<b>0.02</b>	<b>0.58</b>	<b>5.70</b>	<b>21.86</b>
Apr-20	113320	5000	118320	3650	1147597	4382	160817	80030	64255	0	0	40390	0.01	0.53	5.10	19.47
May-20	73755	5000	78755	8050	1248557	3990	20776	58571.25	145200	0	0	3325	0.04	0.47	7.52	24.04
Jun-20	137133	11950	149083	7625	843077	3990	161006	54410	60985	0	0	19845	0.03	0.67	3.80	17.97
Jul-20	137728	3160	140888	11225	1568917	6070	188992	116229	40980	0	0	46847	0.03	0.61	6.82	26.39

	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
2019-20	51501	172450	1092780	510	2363856	0.07	65841	69225	1523616	523	745690.57	0.09	104725	1494478.81	0.07	230475	2358226	0.10
<b>2020-21</b>	<b>16205</b>	<b>59450</b>	<b>339380</b>	<b>0</b>	<b>957300</b>	<b>0.06</b>	<b>15360</b>	<b>13450</b>	<b>585664</b>	<b>214</b>	<b>124995</b>	<b>0.11</b>	<b>7075</b>	<b>467069.3</b>	<b>0.02</b>	<b>105666</b>	<b>860691</b>	<b>0.12</b>
Apr-20	3670	10425	92780	0	351000	0.03	2992	7600	138969	2	36098	0.21	1250	133758	0.01	34551	284540	0.12
May-20	3285	10925	70400	0	241000	0.05	4392	5000	135284	14	45449	0.11	600	71658	0.01	20126	204007	0.10
Jun-20	4750	19100	88200	0	168300	0.11	3784	850	151010	48	43448	0.02	0	83323	0.00	20126	189499	0.11
Jul-20	4500	19000	88000	0	197000	0.10	4192	0	160401	150	0	#DIV/0!	5225	178330	0.03	30863	182645	0.17

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

Status as on July'2020

MINE	GRANTED	VALID	AREA ( in ha)	RENEWAL APPL.DATE	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)
					ON	UPTO	
Amalgamated ML	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 quires were forwarded by State Govt. to MoEFCC on 05.04.2016 but kept pending due to Carrying capacity study by ministry. 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 . For resolving the matter, series of meeting was held & identified CA land report submitted to DFO, Saranda on 21.08.2019. Again, CA scheme of Gumla Division was revised on 11.01.2020 and revised demand letter issued by DFO, Saranda on 25.01.2020. Thereafter, DFO, Saranda has revised the differential CA demand and asked SAIL to pay an amount of Rs. 6.2 Crore on 28.02.2020. Payment of Rs. 6.2 crores was made by SAIL on 05.03.2020 and intimated DFO, Saranda on 06.03.2020. DFO, Saranda vide letter dated 16.03.2020 which was forwarded to RCCF, Jamshedpur The compliance report was forwarded by RCCF, Jamshedpur to PCCF (Nodal) on 17.03.2020. Chairman, SAIL vide letter dated 28.04.20 requested CS, GoJ to forward the compliance report to MoEFCC. Further, PCCF (Nodal), GoJ on 22.05.2020 sought NPV payment details of the lease from DFO, Saranda which was submitted on 28.05.2020. Thereafter, PCCF (Nodal), Govt. of Jharkhand forwarded the compliance report to Principal Secretary (F, E & CC), Govt. of Jharkhand on 12.06.2020.Vide letter dated 28.07.2020, Principal, Secretary (F, E & CC), GoJ was requested to	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 capacities has been renewed by JSPCB on 24.12.2019 with validity up to 31.12.2024. EC amendment order for selling of tailings in open market has been issued by MoEFCC, New Delhi on 30.07.2020.	
Government of Jharkhand has extended the mining lease period of amalgamated lease of Kiriburu-Meghatuburu Iron Ore Mines up to 27.03.2030 vide letter dated 30.07.2019. Amalgamated Lease deed executed on 25.10.2019					Forestry clearance for the total broken area of 55.9 ha was granted on 11.04.2005.	Ore Beneficiation Plant & loading facilities of Meghatuburu Iron Ore Mine are located in the lease-II.	
Amalgamated ML					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 July'2020

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 27.03.2020 & Valid upto 31.03.2021. EC amendment order for selling of dump fines in open market has been issued by MoEFCC, New Delhi on 30.07.2020.	
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	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. In addition to that, MoEFC&CC vide letter dated 24.07.17 issued amended Stage-I FC order of Hal forest. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are approved on 27.10.2018 and in line with the demand letter received from DFO, Rs 16.35 Crore was paid. After complete compliance of Stage-I FC conditions, status report was submitted to DFO, Keonjhar on 29.12.2018 for onward submission for grant of Stage-II FC. However, due to change in labour wage rate, all the schemes have been revised and approved by the State Forest Department and directed to deposit the differential amounts. Differential amount of Rs. 2.9 Crores has been paid on 20.02.2019. The revised compliance report was submitted to DFO, Keonjhar on 23.02.2019. DFO, Keonjhar forwarded the proposal to RCCF, Rourkela on 25.03.2019. Stage – I FC compliance report was forwarded to Addl. PCCF (N) on 12.04.2019 and forwarded to MoEF&CC on 02.07.2019 for grant of Stage – II FC. 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. Identification of CA land is under process.	Granted EC on 21.12.12 for production of 15000 TPA Manganese Ore. Consent to Establish (CTE) for production of 15000 TPA Mn Ore was extended by OSPCB upto 20.12.2023 on 22.05.2019. CTO for 15000 TPA Mn ore mining was renewed by OSPCB on 27.03.2020 for validity up to 31.03.2021. CTO for Railway Siding of Bolani Ores Mines mines was renewed by OSPCB on 27.03.2020 for validity up to 31.03.2021.	
Govt. of Odisha vide letter dated 17.03.2020 extended the 6.9 Sq. mile lease of Bolani Ores Mines upto 13.11.2032 as per MMGC Rules, 2015. Lease deed yet to be executed.							

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL										Status as on July'2020	
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)					ENVIRONMENT CLEARANCE (EC)	
	ON	UPTO	(in ha)	APPL.DATE							
<b>GUJ</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, State Govt. forwarded the proposal to MoEFCC, New Delhi on 30.07.2015/23.09.2015 for grant of Stage-II FC but kept pending for carrying capacity study by Ministry. 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. Proposal for grant of Stage-II FC has been forwarded to MOEFCC, New Delhi on 01.10.2019. Again, additional information sought by MoEFCC on 15.11.2019. The revised kml files & geo-referenced map has been prepared & submitted to DFO, Saranda in different period of time by Jan'2020 for further analysis of the report. The report submitted to PCCF (Nodal), GoJ office on 02.03.2020. The office of PCCF (Nodal), GoJ observed certain discrepancies in CA schemes and raised EDS on 17.03.2020. Chairman, SAIL vide letter dated 28.04.20 requested CS, GoJ to forward the compliance report to MoEFCC. The same has been intimated to PCCF (Nodal), Govt. of Jharkhand on 06.06.2020 through DFO, Saranda and RCCF, Jamshedpur. Further, DFO, Saranda vide letter dated 17.06.2020 raised a demand for payment of Rs. 42.8 lakhs towards boundary pillaring of CA sites. The demand was uploaded in MoEFCC portal on 18.06.2020. After, approval of demand by the Office of PCCF (Nodal), Govt. of Jharkhand on 18.07.2020, the payment Rs. 42.8 lakhs was made on 20.07.2020 and subsequently, intimation was given to DFO, Saranda with a copy to PCCF (Nodal), Govt. of Jharkhand on the same day. DFO, Saranda vide letter dated 29.07.2020 forwarded the payment status to RCCF, Jamshedpur for further needful.	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 Duarguburu 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 indentification is under progress.	ToR for conduting EIA study for production of 61,362 TPA Manganese Ore was granted by MoEF &CC on 04.03.2015. Final EIA/EMP report was submitted online on 04.01.2017 for EAC meeting & grant of EC. MoEF&CC on 13.11.17sought additional details and directed to apply online as per notification dated 14.03.17. The reply of the ADS was submitted & as per the provisions of notification dated 14.03.17, the ToR proposal was submitted online on 02.12.17. Again vide notification dated 16.03.2018, MoEFCC directed for re-submission of the ToR proposal. Proposal was re-submitted to MoEFCC online on 4.4.18 for issue of TOR and requested to consider the proposal as a special case as Public hearing already held and final EIA submitted. EAC meeting held on 29.08.2018. ADS asked on 13.09.2018 which is under compliance.					
Jhilingburu - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC for 30.43 ha of forest land was granted on 29.01.2013. Stage-I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi for grant of Stage-II FC. The query raised by MoEFCC, Ranchi pertaining to CA levies information/record was submitted by Dy. Secy. (F,E&CC Dept.), GoJ to DCF (Central), MoEFFCC, 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. Geo-referenced map, topo sheet map & kml/shape files were prepared and submitted to DFO, Porahat, which was forwarded to the office of DFO, Saranda. Vide letter dated 20.03.2020, DFO, Saranda was requested to forward the compliance of the query raised by MoEFCC, RO, Ranchi.	EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.					
Lease period has been extended upto 11.05.2020 by Govt of Jharkhand on 30.10.2019 &lease deed executed on 17.01.2020 & registration done on 22.01.2020.											
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. EC amendment order for selling in open market has been granted by MoEFCC on 19.05.2020. Subsequently, CTE application submitted to JSPCB on 30.05.2020. CTE order issued by JSPCB on 19.06.2020. CTO order issued by JSPCB on 28.07.2020.					
Lease period has been extended upto 08.03.2040 by Govt of Jharkhand on 23.10.2019 & lease deed executed on 17.01.2020 & registration done on 22.01.2020											

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

							Status as on July'2020
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		ENVIRONMENT CLEARANCE (EC)
	ON	UPTO	( in ha)	APPL.DATE			
<b>CHIRIA</b>							
Budhaburu (McLellan)	08.12.45	31.03.20	823.617	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18. After verification at different level, the information was forwarded to MoEFCC by Govt.	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	
<b>BARSUA-KALTA</b>							
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 for ML-130 lease of Barsua-Taldih-Kalta mines (8.05 MTPA) was renewed by OSPCB on 27.03.2020 for validity up to 30.03.2021. CTO for Barsua Railway Siding was renewed by OSPCB on 30.03.2020 for validity up to 31.03.2021. CTO for Roxy Railway Siding of Kalta Iron Mine was renewed by OSPCB on 30.03.2020 for validity up to 31.03.2024. EC amendment order issued by MOEFCC on 03.07.2020.	
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

MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		Status as on July'2020
					ON	UPTO ( in ha)	APPL.DATE
<b>BHAWANATHPUR</b>							
GORGON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgon, 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 &		
GHAGHRA	23.10.72	31.03.20	675.678	18.10.11 (2nd RML)	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 Gorgon on 08.05.19 and Ghagra & Saraiya leases on 09.05.19. A request letter was submitted to DC, Garhwa		
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)	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.		
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 with validity upto 31.01.2020. CTO renewed by MPPCB on 24.12.2019 with validity up to 31.01.2021.	
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. Matter is pending at Court.	

ACCIDENT STATISTICS OF RMD MINES

	FATAL(in Nos)						SERIOUS(in Nos)						REPORTABLE(in Nos)						MANDAYS LOST(in Days)						
	JUNE'20			2020-21			JUNE'20			2020-21			JUNE'20			2020-21			JUNE'20			2020-21			
	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																									
Meghatuburu				1		1																	6000		6000
Bolani																									
Barsua																									
Taldih																									
Kalta																									
Gua																									
Maboharpur																									
Kuteshwar																									
Tulsidamar																									
RMD Total				1		1																	6000		6000

**RMD MANPOWER POSITION AS ON 01.08.2020**

	<b>Executives</b>	<b>Non-Executives</b>	<b>Total</b>
<b>A. Ore Mines</b>			
Kiriburu	85	514	599
Meghatuburu	65	487	552
Bolani	86	457	543
Barsua	61	269	330
Kalta	14	57	71
Gua	57	470	527
Chiria	15	54	69
<b>A. Total</b>	<b>383</b>	<b>2308</b>	<b>2691</b>
<b>B. Flux Mines</b>			
Purnapani	0	5	5
Kuteshwar	23	60	83
BNP & TDMR	10	47	57
<b>B. Total</b>	<b>33</b>	<b>112</b>	<b>145</b>
<b>C. Offices</b>			
Kolkata	69	31	100
Rourkela	11	16	27
Bokaro	1	3	4
Durgapur	0	4	4
Delhi	3	2	5
Bhubaneswar	2	2	4
Ranchi	1	2	3
Burnpur	0	1	1
MT	20	NA	20
<b>C. Total</b>	<b>107</b>	<b>61</b>	<b>168</b>
<b>Grand Total (A+B+C)</b>	<b>523</b>	<b>2481</b>	<b>3004</b>
Manpower as on 01.07.2020	530	2505	3035
Reduction(-)/Increase(+)	-7	-24	-31

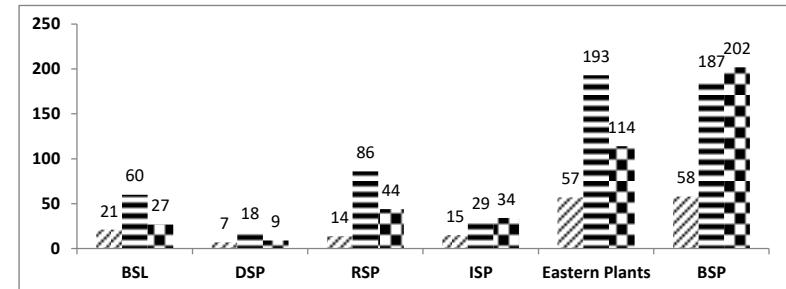
# IRON ORE STOCK INVENTORY BEHAVIOUR

Jul-20

## IRON ORE LUMP

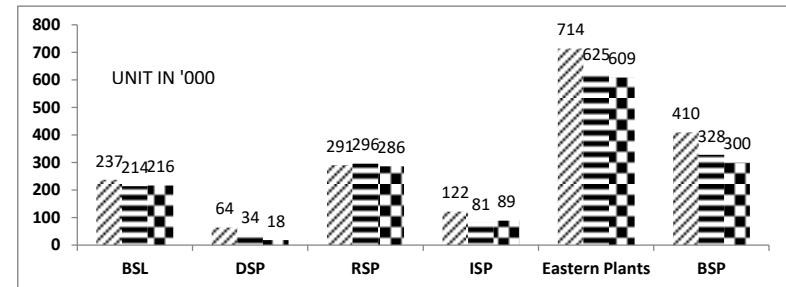
UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.07.2020	MTH	CUM	MTH	CUM	01.08.2020	MTH	YR
BSL	21	60	160	463	198	461	27	-33	6
DSP	7	18	100	334	109	332	9	-9	2
RSP	14	86	168	588	162	414	44	-42	30
ISP	15	29	93	294	83	257	34	5	19
<b>Eastern Plants</b>	<b>57</b>	<b>193</b>	<b>521</b>	<b>1678</b>	<b>552</b>	<b>1464</b>	<b>114</b>	<b>-79</b>	<b>57</b>
BSP	58	187		<u>15</u>	227	722	202	15	144
<b>TOT</b>	<b>115</b>	<b>380</b>	<b>521</b>	<b>1693</b>	<b>779</b>	<b>2186</b>	<b>316</b>	<b>64</b>	<b>201</b>



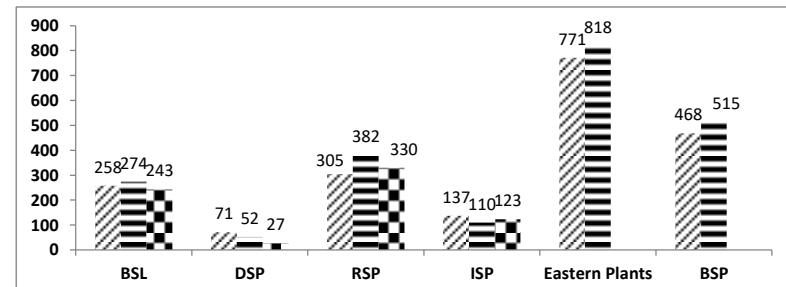
## IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.07.2020	MTH	CUM	MTH	CUM	01.08.2020	MTH	YR
BSL	237	214	295	929	303	980	216	2	-21
DSP	64	34	168	504	184	550	18	-16	-46
RSP	291	296	338	948	379	1037	286	-10	-5
ISP	122	81	257	797	260	845	89	8	-33
<b>Eastern Plants</b>	<b>714</b>	<b>625</b>	<b>1058</b>	<b>3179</b>	<b>1126</b>	<b>3412</b>	<b>609</b>	<b>-16</b>	<b>-105</b>
BSP	410	328	<u>24</u>	<u>115</u>	359	1112	300	-28	-110
<b>TOT</b>	<b>1124</b>	<b>953</b>	<b>1083</b>	<b>3294</b>	<b>1485</b>	<b>4524</b>	<b>909</b>	<b>44</b>	<b>215</b>



## IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.07.2020	MTH	CUM	MTH	CUM	01.08.2020	MTH	YR
BSL	258	274	455	1392	501	1441	243	-31	-15
DSP	71	52	268	838	293	882	27	-25	-44
RSP	305	382	506	1536	541	1451	330	-52	25
ISP	137	110	351	1091	343	1102	123	13	-14
<b>Eastern Plants</b>	<b>771</b>	<b>818</b>	<b>1579</b>	<b>4857</b>	<b>1678</b>	<b>4876</b>	<b>723</b>	<b>-95</b>	<b>-48</b>
BSP	468	515	<u>24</u>	<u>130</u>	586	1834	502	-13	34
<b>TOT</b>	<b>1239</b>	<b>1333</b>	<b>1603</b>	<b>4987</b>	<b>2264</b>	<b>6710</b>	<b>1225</b>	<b>108</b>	<b>14</b>



\* BSP RECEIPT FROM RMD MINES

# PRODUCTION PERFORMANCE

Jul-20

## हॉट मेटल

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Jul-19	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	242	303	125	370	-18	834	881	106	1447	-39
दूर्गापूर	155	190	123	218	-13	529	567	107	797	-29
राउरकेला	205	310	151	312	-1	737	839	114	1257	-33
बर्नपूर	234	191	81	226	-16	699	654	94	754	-13
<b>पूर्वी इस्पात संयंत्र</b>	<b>836</b>	<b>994</b>	<b>119</b>	<b>1126</b>	<b>-12</b>	<b>2799</b>	<b>2940</b>	<b>105</b>	<b>4254</b>	<b>-31</b>
भिलाई	350	332	95	397	-16	1106	1067	96	1587	-33
<b>TOTAL</b>	<b>1186</b>	<b>1326</b>	<b>112</b>	<b>1523</b>	<b>-13</b>	<b>3905</b>	<b>4007</b>	<b>103</b>	<b>5841</b>	<b>-31</b>

## सिन्तर

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Jul-19	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	346	395	114	537	-26	1258	1289	102	1926	-33
दूर्गापूर	219	284	130	309	-8	763	836	110	1089	-23
राउरकेला	340	331	97	546	-39	1213	1198	99	2038	-41
बर्नपूर	339	298	88	344	-13	1050	1042	99	1170	-11
<b>पूर्वी इस्पात संयंत्र</b>	<b>1244</b>	<b>1308</b>	<b>105</b>	<b>1735</b>	<b>-25</b>	<b>4284</b>	<b>4364</b>	<b>102</b>	<b>6223</b>	<b>-30</b>
भिलाई	525	527	100	587	-10	1655	1640	99	2377	-31
<b>TOTAL</b>	<b>1769</b>	<b>1836</b>	<b>104</b>	<b>2322</b>	<b>-21</b>	<b>5939</b>	<b>6005</b>	<b>101</b>	<b>8600</b>	<b>-30</b>

**IRON ORE RECEIPT FOR THE MONTH OF JULY-20**

***FIGS IN '000 T***

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	43	39	42	16					19		160
DSP			100								100
RSP	8			35	45	80					168
ISP			18				76				93
BSP											
TOT	51	39	159	52	45	80	76		19		521

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	168	62	52			13					295
DSP			168								168
RSP		22		123	65	117			10		338
ISP		57	49				152				257
BSP	24										24
TOT	193	140	269	123	65	130	152		10		1083

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	212	101	94	16		13			19		455
DSP			268								268
RSP	8	22		159	110	197			10		506
ISP		57	66				228				351
BSP	24										24
TOT	244	179	428	175	110	210	228		30		1603

**IRON ORE RECEIPT TILL THE MONTH OF JULY-20**

**FIGS IN '000 T**

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	172	102	67	56					65		463
DSP			326			4	4				334
RSP	11	6		111	92	361			6		588
ISP			108	9			177				294
BSP				15							15
TOT	184	109	501	191	92	365	180		71		1693

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	510	226	66	15		109			4		929
DSP			500				4				504
RSP	4	29		272	190	394			59		948
ISP		106	186	64			442				797
BSP	91					24					115
TOT	605	361	752	351	190	527	446		63		3294

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	683	329	133	70		109			69		1392
DSP			827			4	8				838
RSP	15	35		383	282	755			65		1536
ISP		106	294	73			618				1091
BSP	91			15		24					130
TOT	789	470	1253	541	282	892	626		134		4987

**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	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
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	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
BHAWANATHPUR (PSBS)	369	<b>585.80</b>	491	<b>763.80</b>	468	<b>476.50</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-0%)**

	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	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
KRBU(N/B) (FOS)	371	<b>699.93</b>	409	<b>785.09</b>	90	<b>213.68</b>	377	<b>742.25</b>	539	<b>998.76</b>
KRBU(O/B) (SOBK)	371	<b>699.93</b>	409	<b>785.09</b>	90	<b>213.68</b>	377	<b>742.25</b>	539	<b>998.76</b>
MBR (SSMK)	371	<b>699.93</b>	409	<b>785.09</b>	90	<b>213.68</b>	377	<b>742.25</b>	539	<b>998.76</b>
BOLANI (BYFS)	272	<b>534.14</b>	318	<b>616.56</b>	223	<b>491.19</b>	286	<b>576.56</b>	673	<b>1252.97</b>
BARSUA (PBSB)	342	<b>658.25</b>	390	<b>742.25</b>	69	<b>213.68</b>	356	<b>699.93</b>	519	<b>998.76</b>
ROXY (HLSR)	332	<b>658.25</b>	379	<b>742.25</b>	59	<b>213.68</b>	346	<b>658.25</b>	509	<b>998.76</b>
GUA (ISCG)	265	<b>534.14</b>	311	<b>616.56</b>	216	<b>448.14</b>	279	<b>576.56</b>	665	<b>1252.97</b>
MANOHARPUR (IISM)	241	<b>490.98</b>	287	<b>576.56</b>	33	<b>213.68</b>	255	<b>534.14</b>	483	<b>912.66</b>
DALLIRAJHARA (DRZ)	827	<b>1504.65</b>	871	<b>1587.71</b>	533	<b>998.76</b>	832	<b>1504.65</b>	83	<b>213.68</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	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
BHAWANATHPUR (PSBS)	369	<b>615.09</b>	491	<b>801.99</b>	468	<b>500.33</b>	459	<b>763.77</b>	909	<b>1468.11</b>
KHANABANJARI (BLSG)	712	<b>1175.69</b>	834	<b>1322.27</b>	675	<b>1101.14</b>	802	<b>1322.27</b>	496	<b>801.99</b>