

## RMD MONTHLY INFORMATICS



# SEPTEMBER-2020



PPC  
RMD KOLKATA



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# *Performance Highlights*

## *Production & Despatch:*

- RMD Mines achieved 100% APP of both production & despatch in September'20.
- Highest ever Iron Ore Production / Despatch for any month of September since inception.
- Kiriburu Iron Ore Mines has achieved highest ever Iron ore Production in any month since inception. (4.09 Lakh T; Previous best 3.91 Lakh T in Oct-17).
- Kiriburu Iron Ore Mines has achieved highest ever Fines Production in any month since inception. (3.17 Lakh T; Previous best 2.93 Lakh T in Nov-18).
- Bolani:: Production: 5, 39,081 T (Previous Best 4, 38, 490 T in Sept'18).
- Barsua::
  - i. Production: 2, 40,011 T (Previous Best 1, 72, 086 T in Sept'12)
  - ii. Despatch: 2, 54,987 T (Previous Best 1, 79, 240 T in Sept'12)
- Kalta::
  - i. Production: 1, 72,468 T (Previous Best 1, 32, 808 T in Sept'17)
  - ii. Despatch: 1, 72,963 T (Previous Best 1, 29, 137 T in Sept'17)
- Kuteshwar Limestone Mines has achieved best ever ROM feed of 1, 04,304 T to Departmental crusher since inception.
- Highest ever Iron Ore Production/Despatch in a Shift/ Daily during the month since inception.
  - a. Kiriburu: Highest nos of trips (127) in a Shift (Shift C on 20/09/2020).
  - b. Barsua: Highest ever shift production of 5376 T on C shift 04/09/2020.
  - c. Barsua: Highest despatch of 14, 604 T in a day on 19/09/2020.

# Performance Highlights

- *SALE of Fines:*
- RMD: Despatches for sale.

(Lakh T)	September-20	H1 2020-21
Bolani	2.47	3.65
Barsua	0.79	1.25
<b>Total</b>	<b>3.26</b>	<b>4.90</b>

- RMD: Booking for sale.

(Lakh T)	September-20	H1 2020-21
Bolani	2.00	6.40
Barsua	2.08	3.19
<b>Total</b>	<b>4.08</b>	<b>9.59</b>

- RMD has achieved highest ever Iron ore despatch in any month since inception. (20.63 Lakh T; Previous best 20.53 Lakh T in Jan-20)
- Bolani Ore Mines has achieved highest ever Iron ore despatch in any month since inception:
  - i. (6.83 Lakh T; Previous best 5.72 Lakh T in Dec-19)
  - ii. (185 Rakes; Previous best 164 Rakes in Dec-19)

## Others Highlights:

- Govt. of Odisha has given permission to despatch Iron ore Fines for Pellet conversion for captive consumption by RSP on 22/09/2020.
- Manoharpur Iron Mines has installed Continuous Ambient Air Quality Monitoring Station (CAAQMS) at its Manoharpur Railway Siding on 07/09/2020.

## Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF SEPTEMBER-20					20-21 TILL THE MONTH OF SEPTEMBER-20				
	CBT	ACT	%FF	Sep'19	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	98	91	93	84	8	588	370	63	583	-37
MEGHATUBURU	87	74	85	77	-4	522	259	50	560	-54
BOLANI	145	185	128	107	73	870	704	81	811	-13
BARSUA	50	72	144	33	118	300	268	89	221	21
TALDIH	25	24	96	26	-8	150	131	87	96	36
KALTA	55	45	82	2	2150	330	331	100	173	91
GUA	95	69	73	80	-14	570	330	58	534	-38
CHIRIA	15		0	18	-100	90	37	41	91	-59
RMD TOTAL	570	560	98	427	31	3420	2430	71	3069	-21

PLANTS	COMM	FOR THE MONTH OF SEPTEMBER-20					20-21 TILL THE MONTH OF SEPTEMBER-20				
		CBT	ACT	%FF	Sep'19	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		54.7		46.4	18		225.1	0.0	363.7	-38
	FINES		90.3		75.6	19		409.9	0.0	590.3	-31
	TOTAL	165	145.0	88	122.0	19	825	635.0	77	954.0	-33
DSP	LUMP		34.5		28.8	20		156.1	0	196.9	-21
	FINES		57.5		43.2	33		250.9	0	349.1	-28
	TOTAL	80	92.0	115	72.0	28	400	407.0	102	546.0	-25
RSP	LUMP		49.0		43.9	12		253.2	0	326.1	-22
	FINES		103.0		79.1	30		455.8	0	527.9	-14
	TOTAL	165	152.0	92	123.0	24	825	709.0	86	854.0	-17
ISP	LUMP		22.5		19.1	18		135.4	0	149.1	-9
	FINES		59.5		76.9	-23		363.6	0	455.9	-20
	TOTAL	130	82.0	63	96.0	-15	650	499.0	77	605.0	-18
BSP	LUMP					0		4.0	0		0
	FINES		4.0		14.0	-71		48.0	0	110.0	-56
	TOTAL	30	4.0	13	14.0	-71	150	52.0	35	110.0	-53
SALES	FINES		85.0					128.0			
	LUMP		160.7		138.2	16		773.8	0	1035.8	-25
	FINES		314.3		288.8	9		1656.2		2033.2	-19
SAIL TOTAL	TOTAL	570	560.0	98	427.0	31	2850	2430.0	85	3069.0	-21

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

Sep-20

**UNIT 000 TONNES**

**PRODUCTION**

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR Sep-19	TILL THE MONTH				GRTH % OVER LSTYR	CAP UTLN %
		2020-21	TGT	ACT	%FF	LAST YR Sep-19		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	900	75	92	122.3	80	14.2	375	357	95.2	558	-36.0	
	F	3200	280	317	113.4	217	46.0	1300	1200	92.3	1390	-13.7	
	T	4100	355	409	115.3	298	37.4	1675	1557	92.9	1948	-20.1	57
MEGHAHATUBURU 5000	L	750	75	76	101.0	94	-19.1	310	251	80.8	475	-47.2	
	F	2750	175	177	101.4	161	10.4	805	666	82.8	1314	-49.3	
	T	3500	250	253	101.3	254	-0.4	1115	917	82.2	1789	-48.7	37
BOLANI 6500	L	2100	180	166	92.3	102	62.6	975	819	84	1135	-27.9	
	F	4100	340	373	109.7	180	107.4	1930	1779	92.2	1919	-7.3	
	T	6200	520	539	103.7	282	91.1	2905	2598	89.4	3054	-14.9	80
BARSUA 2500	L	750	65	81	124.3	39	108.2	335	313	93.6	291	7.9	
	F	1450	120	159	132.7	71	123.2	605	594	98.1	443	34.0	
	T	2200	185	240	129.7	110	117.9	940	907	96.5	734	23.6	73
TALDIH 1000	L	350	30	30	101.3	43	-29.0	145	153	106	149	3.0	
	F	650	50	48	95.2	38	24.6	290	257	88.7	179	43.6	
	T	1000	80	78	97.5	81	-3.7	435	411	94.4	328	25.2	82
KALTA 2500	L	1100	75	70	94.0	10	601.1	518	507	97.8	307	64.8	
	F	1200	80	102	127.5	10	1615.9	575	730	127	232	214.8	
	T	2300	155	172	111.3	10	1093	1237	113	539	129.3	99	
GUA 4000	L	900	70	70	100.4	78	-9.8	330	309	93.6	514	-39.9	
	F	2700	220	177	80.3	209	-15.4	1070	828	77.3	1286	-35.6	
	T	3600	290	247	85.2	287	-13.9	1400	1137	81.2	1800	-36.8	57
MANOHARPUR 750	L	350	22		15	-100.0	130	61	47	155	-60.6		
	F	400	25		31	-100.0	163	64	39.2	185	-65.5		16
	T	750	47		47	-100.0	293	125	42.7	340	-63.3		
TOTAL 27750	L	7200	592	586	98.9	461	27.0	3118	2770	88.8	3584	-22.7	
	F	16450	1290	1353	104.9	908	49.1	6738	6118	90.8	6948	-11.9	
	T	23650	1882	1939	103.0	1369	41.7	9856	8888	90.2	10532	-15.6	64

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

Sep-20

UNIT 000 TONNES

**DESPATCHES**

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR Sep-19	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON		
		2020-21	TGT	ACT	%FF	LAST YR Sep-19		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END
			TGT	ACT	%FF	LAST YR Sep-19		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END
KIRIBURU	L	900	75	79	105.1	81	-3.0	370	330	89.2	559	-40.9	22	38	49
	F	3200	270	276	102.1	220	25.4	1175	1095	93.2	1542	-29.0	1023	1084	1127
	T	4100	345	355	102.8	301	17.8	1545	1425	92.2	2100	-32.2	1045	1122	1176
MEGHAHATUBURU	L	750	70	58	83.0	91	-35.8	310	233	75	540	-56.9	29	32	55
	F	2750	235	221	94.2	196	12.8	810	757	93.4	1541	-50.9	267	239	189
	T	3500	305	280	91.6	287	-2.6	1120	989	88.3	2080	-52.4	296	271	244
BOLANI	L	2100	180	190	105.6	145	31.1	955	881	92.3	1143	-22.9	85	43	21
	F	4100	370	493	133.3	258	90.8	1815	1712	94.3	1806	-5.2	1873	2048	1927
	T	6200	550	683	124.2	403	69.3	2770	2593	93.6	2949	-12.1	1958	2091	1948
BARSUA	L	750	65	73	112.0	42	71.7	300	301	100	310	-2.7	67	38	46
	F	1450	110	182	165.6	67	170.2	481	599	125	441	35.9	198	209	187
	T	2200	175	255	145.7	110	132.1	781	900	115	751	19.9	265	247	233
TALDIH	L	350	30	34	114.4	46	-24.8	160	161	101	150	7.3	44	3	
	F	650	50	48	95.6	46	4.0	280	267	95.5	174	54.1	253	5	6
	T	1000	80	82	102.6	92	-10.4	440	429	97.4	324	32.4	297	8	6
KALTA	L	1100	75	76	101.8	7	971.4	518	510	98.4	347	46.9		1	9
	F	1200	80	97	120.8	7	2327.9	1093	1239	127	285	156.1	8		9
	T	2300	155	173	111.6					113	632	96.1	8	1	9
GUA	L	900	75	76	100.7	65	16.4	335	320	95.6	463	-30.8	48	59	64
	F	2700	230	160	69.6	220	-27.2	1125	802	71.3	1253	-36.0	272	330	363
	T	3600	305	236	77.2	285	-17.3	1460	1122	76.9	1716	-34.6	320	389	427
MANOHARPUR	L	350	22		21	-100.0	127	70	55.2	164	-57.4	1		2	
	F	400	30		39	-100.0	155	65	42.2	163	-59.8	7	1	1	1
	T	750	52		60	-100.0	282	136	48.1	327	-58.6	8	1	3	
TOTAL	L	7200	592	586	99.0	498	17.7	3075	2806	91.3	3675	-23.6	296	214	237
	F	16450	1375	1477	107.4	1047	41.1	6416	6026	93.9	7203	-16.3	3901	3916	3809
	T	23650	1967	2063	104.9	1545	33.5	9491	8832	93.1	10879	-18.8	4197	4130	4046

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

**Sep-20**

**UNIT '000 TE**

**DEVELOPMENT**

	FOR MONTH			LAST YR Sep-19	GRTH %	TILL MONTH			LAST YR Sep-19	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		
KIRIBURU	95	76	80	72	4	850	767	90	804	-5
MEGHAHATUBURU	290	219	76	308	-29	1,963	1,741	89	1,594	9
BOLANI	325	208	64	309	-33	1,765	1,277	72	976	31
BARSUA	22	37	168	48	-24	441	378	86	286	32
TALDIH	47	5	11	19	-74	285	128	45	61	109
KALTA	30	-		24	-100	180	-		186	-100
GUA	110	88	80	77	15	720	510	71	362	41
MANOHARPUR	15	-		-		59	-		12	-100
<b>TOTAL</b>	<b>934</b>	<b>633</b>	<b>68</b>	<b>858</b>	<b>-26</b>	<b>6,263</b>	<b>4,802</b>	<b>77</b>	<b>4,283</b>	<b>12.1</b>

**ROM**

KIRIBURU	380	409	108	298	37	1,770	1,557	88	1,948	-20
MEGHAHATUBURU	300	254	85	309	-18	1,265	950	75	1,991	-52
BOLANI	520	549	106	277	98	2,905	2,608	90	3,022	-14
BARSUA	215	250	116	117	114	1,030	990	96	754	31
TALDIH	80	105	132	108	-3	435	494	113	433	14
KALTA	155	184	118	27	588	1,093	1,311	120	603	117
GUA	290	247	85	287	-14	1,400	1,137	81	1,800	-37
MANOHARPUR	47	-		47	-100	293	125	43	340	-63
<b>TOTAL</b>	<b>1,987</b>	<b>1,999</b>	<b>101</b>	<b>1,470</b>	<b>36</b>	<b>10,191</b>	<b>9,171</b>	<b>90</b>	<b>10,892</b>	<b>-15.8</b>

**TOTAL EXCAVATION**

KIRIBURU	475	485	102	370	31	2,620	2,324	89	2,753	-16
MEGHAHATUBURU	590	473	80	618	-23	3,228	2,691	83	3,585	-25
BOLANI	845	757	90	587	29	4,670	3,886	83	3,998	-3
BARSUA	237	287	121	165	74	1,471	1,369	93	1,041	31
TALDIH	127	110	87	127	-13	720	621	86	494	26
KALTA	185	184	99	51	262	1,273	1,311	103	790	66
GUA	400	335	84	364	-8	2,120	1,646	78	2,162	-24
MANOHARPUR	62	-		47	-100	352	125	36	352	-65
<b>TOTAL</b>	<b>2,921</b>	<b>2,632</b>	<b>90</b>	<b>2,328</b>	<b>13</b>	<b>16,454</b>	<b>13,973</b>	<b>85</b>	<b>15,175</b>	<b>-7.9</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	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
Aug-19	410850	320490	90360	578915	350100	228815	599032	493051	105981	187353	135788	51565	63168	47652	15516	27700	27700		410345	322830	87515	65108	65108		2342471	1762719	579752
Sep-19	370170	297810	72360	617661	309330	308331	586581	277302	309279	165141	116906	48235	127412	108322	19090	50700	26700	24000	363856	286830	77026	46629	46629		2328150	1469829	858321
Total	2752702	1948320	804382	3585247	1990980	1594267	3998236	3021908	976328	1040910	754435	286475	494417	433252	61165	789704	603300	186404	2161834	1799640	362194	352282	340386	11896	15175332	10892221	4283111

	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	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		
Aug-20	319410	265590	53820	434520	205020	229500	668427	474701	193726	238328	208358	29970	91113	78949	12164	170000	170000	232701	219791	12910			2154499	1622409	532090		
Sep-20	484830	409230	75600	473310	254070	219240	757433	549432	208001	287296	250426	36870	110374	105404	4970	183600	183600	335406	247000	88406			2632249	1999162	633087		
Total	2323980	1556730	767250	2691239	949950	1741289	3885621	2608126	1277495	1368635	990375	378260	621134	493593	127541	1310900	1310900	1646491	1136553	509938	124995	124995	13972995	9171222	4801773		

Change Over Last Year

DIFF	-428722	-391590	-37132	-894008	-1041030	147022	-112615	-413782	301167	327725	235940	91785	126717	60341	66376	521196	707600	-186404	-515343	-663087	147744	-227287	-215391	-11896	-1202337	-1720999	518662
%Chg	-15.6	-20.1	-4.6	-24.9	-52.3	9.2	-2.8	-13.7	30.8	31.5	31.3	32.0	25.6	13.9	108.5	66.0	117.3	-100.0	-23.8	-36.8	40.8	-64.5	-63.3	-100.0	-7.9	-15.8	12.1

## 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	
Aug-19	96623	223867	320490	84377	199584	283961	196442	293979	490421	44574	85833	130407	10403	29490	39893	23714	3041	26755	86283	236547	322830	21773	43335	65108	564189	1115676	1679865	
Sep-19	80314	217496	297810	93604	160647	254251	102200	179842	282042	38793	71357	110150	42815	38188	81003	10051	10051	77945	208885	286830	15294	31335	46629	461016	907750	1368766		
Total	558185	1389564	1947749	474874	1314012	1788886	1134967	1918951	3053918	290665	443163	733828	148993	179035	328028	307348	232001	539349	513968	1285672	1799640	155204	185183	340387	3584204	6947581	10531785	

Unit in Te	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	
Aug-20	75920	189670	265590	59885	148633	208518	151743	308688	460431	66087	133446	199533	35155	28731	63886	67234	91139	158373	71951	147840	219791				527975	1048148	1576122	
Sep-20	91760	317470	409230	75728	177426	253154	166162	372920	539082	80769	159242	240011	30384	47599	77983	70466	101947	172413	70290	176710	247000				585559	1353315	1938873	
Total	356704	1200026	1556730	250554	666362	916916	818751	1779220	2597971	313489	593801	907290	153433	257149	410582	506571	730245	1236816	309015	827538	1136553	61083	63912	124995	2769601	6118253	8887853	

Change Over Last Year																												
DIFC	-201481	-189538	-391019	-224320	-647650	-871970	-316216	-139731	-455947	22824	150638	173462	4441	78114	82554	199223	498244	697467	-204953	-458134	-663087	-94121	-121271	-215392	-814603	-829328	-1643931	
%Chg	-36	-14	-20	-47	-49	-49	-28	-7	-15	8	34	24	3	44	25	65	215	129	-40	-36	-37	-61	-65	-63	-23	-12	-16	

# 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
Aug-19	97197	225015	322212	96678	217620	314298	204511	320141	524652	46417	87433	133850	9867	25602	35469	32191	7703	39894	67554	220597	288151	18968	15446	34414	573383	1119558	1692941
Sep-19	81263	219828	301091	90536	196358	286893	144955	258410	403365	42417	67431	109847	45638	45984	91622	7124	7124	64882	219808	284690	21038	38926	59964	497852	1046744	1544597	
Total	558679	1541699	2100378	539608	1540515	2080123	1142731	1805847	2948577	309653	441043	750696	150342	173517	323859	347065	284500	631565	462905	1253301	1716206	164301	162956	327257	3675284	7203377	10878661

	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
Aug-20	71997	210938	282935	56690	174447	231137	171166	309240	480406	65734	127504	193238	33305	32698	66003	68172	94912	163085	66151	187274	253425			533215	1137013	1670228	
Sep-20	78824	275767	354590	58079	221420	279499	189990	493032	683022	72815	182172	254987	34312	47804	82116	76327	96635	172963	75554	159978	235532			585901	1476808	2062709	
Total	330064	1094691	1424755	232560	756746	989306	881172	1711699	2592871	301151	599206	900357	161248	267447	428696	509886	728664	1238550	320199	802092	1122291	70044	65468	135512	2806324	6026013	8832337

Change Over Last Year

DIFF	-228615	-447008	-675623	-307048	-783769	-1090817	-261559	-94147	-355706	-8501	158163	149662	10906	93931	104837	162821	444164	606985	-142706	-451209	-593915	-94257	-97488	-191746	-868960	-1177364	-2046324
%Chg	-40.9	-29.0	-32.2	-56.9	-50.9	-52.4	-22.9	-5.2	-12.1	-2.7	35.9	19.9	7.3	54.1	32.4	46.9	156.1	96.1	-30.8	-36.0	-34.6	-57.4	-59.8	-58.6	-23.6	-16.3	-18.8

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Sep-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	65	79	121	335	319	95	80	301	95	231	243	640	921	144	673	37	160	310	194	975	1240	127	752	65	
MBR	70	58	83	310	226	73	274	-18	80	39	49	460	333	72	525	-37	150	97	65	770	558	73	799	-30	
BOL	18	66	365	68	175	257	366	-52	50	68	135	175	179	102	285	-37	68	133	196	243	354	146	651	-46	
BAR		4			74		310	-76	15			40	15	36	441	-97	15	4	24	40	89	222	751	-88	
TAL							130	-100							63	-100								194	-100
KAL	20			60			3	-100	15	8	54	100	126	126	33	278	35	8	23	160	126	79	37	243	
GUA							26	-100							73	-100								98	-100
MPR	22			120	64	54	117	-45	10			35	4	10	60	-94	32			155	68	44	178	-62	
RMD TOT	195	206	106	893	858	96	1306	-34	265	346	131	1450	1577	109	2153	-27	460	552	120	2343	2435	104	3459	-30	
DRZ		11			23													11			23				
PUR																									
GR TOT	195	217	111	893	880	99	1306	-33	265	346	131	1450	1577	109	2153	-27	460	564	123	2343	2458	105	3459	-29	

FLUXES

KTR	30	40	133	112	112	100	231	-52
TDMR							39	-100
TOT	30	40	133	112	112	100	270	-59

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**Sep-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	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB									15			15					15			15				
MBR							5	-100								86	-100						91	-100
BOL	100	119	119	581	589	101	543	8	205	168	82	990	887	90	892	-1	305	286	94	1571	1476	94	1436	3
BAR																								
TAL																								
KAL							4																4	
GUA	10	9	94	35	11	31	166	-93		28		65	30	47	314	-90	10	38	375	100	41	41	480	-91
MPR																								
RMD TOT	110	128	116	616	604	98	714	-15	205	210	103	1055	932	88	1293	-28	315	338	107	1671	1536	92	2006	-23
DRZ																								
PUR																								
GR TOT	110	128	116	616	604	98	714	-15	205	210	103	1055	932	88	1293	-28	315	338	107	1671	1536	92	2006	-23

FLUXES

KTR	5	4	78	15	12	79	28	-57
TDMR								
TOT	5	4	78	15	12	79	28	-57

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**  
**Sep-20**  
**राउरकेला इस्पात संयंत्र**

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			35	11	32	479	-98	75	23	31	175	27	15	685	-96	85	23	27	210	38	18	1164	-97		
MBR				7		261	-97	15	105	702	120	189	158	741	-74	15	105	702	120	196	164	1002	-80			
BOL																										
BAR	65	69	107	300	202	67			40	103	259	210	460	219			105	173	164	510	662	130				
TAL	30	34	114	160	161	101	20	713	50	48	96	280	267	96	110	143	80	82	103	440	429	97	130	230		
KAL	55	76	139	458	506	110	344	47	65	89	136	455	579	127	251	131	120	165	137	913	1085	119	595	82		
GUA															11	-100								11	-100	
MPR				7	6	83	44	-87	20			120	62	52	97	-36	20			127	68	53	140	-52		
RMD TOT	160	180	112	960	893	93	1147	-22	265	368	139	1360	1584	116	1894	-16	425	548	129	2320	2478	107	3042	-19		
PUR																										
DRZ																										
GR TOT	160	180	112	960	893	93	1147	-22	265	368	139	1360	1584	116	1894	-16	425	548	129	2320	2478	107	3042	-19		
FLUXES																										
KTR	15	16	106	35	32	91	136	-77																		
TDMR																										
TOT	15	16	106	35	32	91	139	-77																		

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**Sep-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									40	77	192	130	235	180	188	25	40	77	192	130	235	180	188	25	
BOL	62	6	9	306	118	38	233	-50	15	11	73	250	280	112	629	-55	77	17	22	556	398	72	862	-54	
BAR					10																	10			
TAL																									
KAL																									
GUA	65	66	102	300	309	103	271	14	230	124	54	1060	754	71	662	14	295	191	65	1360	1063	78	933	14	
MPR							3	-100								3	-100						7	-100	
RMD TOT	127	72	57	606	436	72	508	-14	285	212	74	1440	1268	88	1482	-14	412	284	69	2046	1705	83	1990	-14	
DRZ																									
PUR																									
GR TOT	127	72	57	606	436	72	508	-14	285	212	74	1440	1268	88	1482	-14	412	284	69	2046	1705	83	1990	-14	
FLUXES																									
KTR																									
TDMR																									
TOT																									

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

Sep-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	7	11	320	132	41	184	-28	60	7	11	320	132	41	184	-28						
MBR																														
BOL																														
BAR						15																			15					
TAL																														
KAL										20	23	117								20	23	117								
GUA										7			18		194	-91			7			18		194	-91					
MPR															3	-100									3	-100				
RMD TOT					15				60	14	24	340	173	51	381	-54	60	14	24	340	189	55	381	-50						
DRZ																														
PUR																														
GR TOT					15				60	14	24	340	173	51	381	-54	60	14	24	340	189	55	381	-50						
FLUXES																														
KTR	20	20	100	83	68	82	274	-75																						
TDMR															24	-100														
TOT	20	20	100	83	68	82	298	-77																						

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**Sep-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	75	79	105	370	330	89	559	-41	230	276	120	1135	1095	96	1542	-29	305	355	116	1505	1425	95	2100	-32	
MBR	70	58	83	310	233	75	540	-57	135	221	164	710	757	107	1541	-51	205	280	136	1020	989	97	2080	-52	
BOL	180	190	106	955	881	92	1143	-23	270	246	91	1415	1346	95	1806	-25	450	436	97	2370	2228	94	2949	-24	
BAR	65	73	112	300	301	100	310	-3	55	103	188	250	474	190	441	8	120	176	147	550	775	141	751	3	
TAL	30	34	114	160	161	101	150	7	50	48	96	280	267	96	174	54	80	82	103	440	429	97	324	32	
KAL	75	76	102	518	510	98	347	47	80	97	121	575	729	127	285	156	155	173	112	1093	1239	113	632	96	
GUA	75	76	101	335	320	96	463	-31	230	160	70	1125	802	71	1253	-36	305	236	77	1460	1122	77	1716	-35	
MPR	22			127	70	55	164	-57	30			155	65	42	163	-60	52			282	136	48	327	-59	
RMD TOT	592	586	99	3075	2806	91	3675	-24	1080	1151	107	5645	5536	98	7203	-23	1672	1737	104	8720	8342	96	10879	-23	
PUR		11			23													11			23				
DRZ																									
GR TOT	592	597	101	3075	2829	92	3675	-23	1080	1151	107	5645	5536	98	7203	-23	1672	1748	105	8720	8365	96	10879	-23	

**FLUXES**

KTR	70	80	114	245	223	91	669	-67
TDMR							65	-100
TOT	70	80	114	245	223	91	734	-70

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

**Sep-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									40			40					40			40				
MBR									100			100					100			100				
BOL									100	247	247	400	365	91			100	247	247	400	365	91		
BAR									55	79	143	231	125	54			55	79	143	231	125	54		
TAL																								
KAL																								
GUA																								
RMD TOT									295	325	110	771	490	64			295	325	110	771	490	64		
PUR																								
DRZ																								
GR TOT									295	325	110	771	490	64			295	325	110	771	490	64		

## FLUX MINES OPERATIONS

Sep-20

UNIT 000 TONNES

### PRODUCTION

MINE		PLAN 2020-21	FOR THE MONTH				GRTH % OVER LSTYR Sep-19	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Sep-19		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	750	70	81	116.3	124	-34.5	245	220	89.7	664	-66.9
TULSIDAMAR	DOLO					18	-100.0				93	-100.0
RMD TOTAL		750	70	81	116.3	142	-42.7	245	220	89.7	758	-71.0

### DESPATCHES

MINE		PLAN 2020-21	FOR THE MONTH				GRTH % OVER LSTYR Sep-19	TILL THE MONTH				GRTH % OVER LSTYR
			TGT	ACT	%FF	LAST YR Sep-19		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	750	70	80	113.8	128	-37.8	245	223	91	669	-66.7
TULSIDAMAR	DOLO					4	-100.0				65	-100.0
RMD TOTAL		750	70	80	113.8	132	-39.7	245	223	91	734	-69.6

## 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
Aug-19	114438	118764	18702	8038	133140	126802
Sep-19	124344	127962	17721	4121	142065	132083
Total	664383	669196	93292	64952	757675	734148

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
Aug-20	59214	64410			59214	64410
Sep-20	81441	79651			81441	79651
Total	219748	223078			219748	223078

Over Last Year

DIFF	-444635	-446118	-93292	-64952	-537927	-511070
%Chg	-66.9	-66.7	-100.0	-100.0	-71.0	-69.6

**QUALITY ANALYSED AT PLANT**

**Sep-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	61.26	5.74	1.88	18.17	21.55	61.01	5.82	2.16	5.62	41.95		MTH ACT					
CUM	2020-21	62.22	4.15	2.04	17.35	21.53	61.36	5	2.42	5.62	39.66	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	61.5	5.13	2.12	17.24	22.86	61.05	5.87	2.03	5.58	42.18		MTH ACT	43.15	4.79	3.86	9.64	23.36
CUM	2020-21	61.69	4.52	2.46	15.8	26.62	61.07	5.26	2.63	5.54	40.18	CUM	2020-21	43.87	4.68	3.75	6.73	29.52
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	62.52	3.7	2	16.43	23.9	61.66	4.68	2.26	5.28	40.38
CUM	2020-21	62.59	3.41	2.15	20.77	20.89	61.7	4.46	2.41	5.37	39.83
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	60.66	5.52	2.88	1.3	30.6					
CUM	2020-21	62.38	3.07	2.88	17.73	24.43	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						63.02	3.26	1.99	4.43	37.6
CUM	2020-21						62.86	3.34	2.25	3.44	32.87
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										
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

**QUALITY ANALYSED AT PLANT**

**Sep-20**

**द्रगांपूर 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						61.63	5.6	2.17	9.2	51.7		MTH ACT					
CUM	2020-21						61.63	5.6	2.17	9.2	51.7	CUM	2020-21					
CUM	2019-20											CUM	2019-20					

MBR		62.3	3.8	2.2	10	10	61	4.9	2.6	5	40	KTR	NORM	50	2.25	3.5	5	5
MBR		MTH ACT											MTH ACT	45.9	2.4	3.8	4	9.8
CUM	2020-21											CUM	2020-21	46.64	1.40	3.00	6.27	11.74
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		62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45							
GUA		MTH ACT	61.45	3.95	2.5	25.15	12.7	60.27	6.43	2.59	3.94	41.43						
CUM	2020-21	60.88	4.5	2.51	24.08	11.38	60.5	5.98	2.58	3.89	42.42							
CUM	2019-20	61.85	3.86	2.1	13.95	12.49	62.39	3.64	2.48	4.61	48.94							

BOL		62.4	3.1	2.5	10	10	62.2	3.2	2.8	5	35							
BOL		MTH ACT	62.45	2.66	1.69	26.59	11.13	62.87	2.93	2.04	9.43	38.82						
CUM	2020-21	62.44	2.61	1.77	28.57	11	62.39	3.21	2.36	8.86	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**

**Sep-20**

**राउरकेला इस्पात संयंत्र**

**लौह अपरक्त लम्प**

**लौह अपरक्त 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						61.10	4.17	3.37				MTH ACT					
CUM	2020-21	62.06	3.28	3.12	10.69	24.38	61.28	3.93	3.31	1.59	7.75	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						61.07	4.52	3.02	6.93	39.71		MTH ACT	49.03	2.97	3.83		
CUM	2020-21	62.00	3.50	3.00			61.27	4.26	3.01	6.79	39.83	CUM	2020-21	48.77	3.05	3.93		
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		

BAR	NORM	62.3	2.8	3	10	10	61.3	3.7	3.5	8	40
	MTH ACT	61.92	3.68	2.87	7.78	20.87	61.01	4.03	3.68	7.35	39.71
CUM	2020-21	62.02	3.30	3.10	7.86	21.18	61.37	3.56	3.56	7.27	40.40
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	63.20	2.37	2.33	6.44	13.44	62.39	3.03	2.72	5.12	36.94
CUM	2020-21	63.11	2.32	2.50	6.17	13.82	62.79	2.56	2.56	5.64	39.19
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										
CUM	2020-21	63.25	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	63.15	2.80	2.13	7.25	17.00	61.37	3.61	3.54	6.50	38.50
CUM	2020-21	63.09	2.44	2.45	7.00	15.28	62.43	2.70	2.90	6.46	39.31
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**

**Sep-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%
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						61.18	4.64	3.38	8.62	36.80		MTH ACT					
CUM		2020-21					61.55	4.30	3.22	8.98	38.02	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	63.20	3.38	1.97	13.45	5.63	61.67	4.44	3.01	6.78	40.89
CUM	2020-21	63.17	3.28	2.04	15.89	4.89	62.08	3.95	2.87	7.11	42.07
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	64.21	1.51	2.15	15.09	6.16	60.97	4.95	3.40	6.87	43.87
CUM	2020-21	63.10	3.37	1.95	24.85	4.25	62.19	3.62	2.99	9.16	40.60
CUM	2019-20	63.07	3.66	1.88	23.47	6.32	62.52	3.76	2.48	8.71	40.57

BAR	NORM	62.3	2.8	3	10	10	61.3	3.7	3.5	8	40
	MTH ACT										
CUM	2020-21	60.8	3.88	4.98	25.08	9.84					
CUM	2019-20										

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**

**Sep-20**

**भिलाई इस्पात संयत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फार्इन्स**

**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						62.44	5.52	1.69	4.15	60.70		MTH ACT					
CUM	2020-21						62.80	3.90	2.18	5.99	46.99	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

MBR		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		49.71	2.36	3.74	8.94	13.56	
CUM	2020-21											CUM	2020-21	49.79	2.33	3.74	6.36	13.86
CUM	2019-20											CUM	2019-20	49.85	2.16	3.87	9.05	18.42

GUA		62.5	3.5	2.1	10	10	62.5	3.7	2.3	5	45							
MTH ACT						59.75	6.60	3.43	2.95	45.88								
CUM	2020-21						60.18	6.36	3.26	4.03	42.42							
CUM	2019-20						62.85	4.35	2.13	2.61	54.33							

BAR		62.3	2.8	3	10	10	61.3	3.7	3.5	8	40							
MTH ACT																		
CUM	2020-21	61.61	3.27	3.25	40.63	10.59												
CUM	2019-20																	

KAL		63	2.6	2.2	5	5	63	2.9	2.5	5	40							
MTH ACT																		
CUM	2020-21																	
CUM	2019-20						62.89	3.62	2.69	2.23	48.01							

**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	62.10	4.28	2.05	17.43	21.61	6.33	0.48	68381
Sep-20	61.26	5.74	1.88	18.17	21.55	7.62	0.33	78610
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.21	4.12	2.08	17.12	21.63	6.21	0.50	330557

**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	60.94	5.84	2.32	5.25	41.17	8.16	0.40	207293
Sep-20	61.05	5.71	2.22	5.58	42.47	7.93	0.39	267013
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.52	4.86	2.41	5.66	40.60	7.27	0.50	1079324

**मंधाहातुबुरू**

**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	61.46	4.73	2.59	14.90	31.32	7.32	0.55	98087
Sep-20	61.50	5.13	2.12	17.24	22.86	7.25	0.41	66207
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.70	4.50	2.47	15.76	26.57	6.97	0.55	273022

**मंधाहातुबुरू**

**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	60.97	4.96	3.06	6.74	39.04	8.02	0.62	172822
Sep-20	61.11	4.78	3.00	7.35	39.02	7.78	0.63	217554
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.27	4.74	2.90	6.91	39.41	7.64	0.61	751377

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	62.63	2.87	1.57	29.50	12.08	4.44	0.55	164235
Sep-20	62.53	2.99	1.81	22.72	15.40	4.80	0.61	185095
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.56	2.88	1.87	26.53	11.99	4.75	0.65	850775

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	62.88	3.63	2.07	8.49	5.47	5.70	0.57	63943
Sep-20	62.98	3.45	2.04	14.93	6.52	5.49	0.59	73170
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.08	3.32	2.06	16.29	5.13	5.38	0.62	317432

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	62.40	3.50	2.21	8.43	38.04	5.71	0.63	270361
Sep-20	62.45	3.50	2.16	8.19	39.48	5.66	0.62	243798
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.24	3.46	2.48	8.28	38.88	5.95	0.72	1266149

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	61.07	4.69	3.51	8.08	39.24	8.20	0.75	169861
Sep-20	61.39	4.81	2.97	6.22	41.19	7.78	0.62	161302
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.00	4.05	2.87	6.96	42.11	6.93	0.71	776862

**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	62.00	3.23	3.27	9.51	23.78	6.49	1.01	69114
Sep-20	61.86	3.77	2.87	7.47	21.34	6.64	0.76	72815
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.06	3.28	3.08	16.63	20.12	6.36	0.94	304013

**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	63.03	2.29	2.68	6.90	16.10	4.97	1.17	39227
Sep-20	63.15	2.80	2.13	7.25	17.00	4.93	0.76	32258
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.09	2.44	2.45	7.01	15.27	4.89	1.00	163547

**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	61.44	3.51	3.53	6.60	40.80	7.04	1.01	131361
Sep-20	61.01	4.03	3.68	7.35	39.71	7.71	0.91	103421
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.39	3.61	3.51	7.25	40.37	7.11	0.97	566478

**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	62.69	2.50	2.71	7.00	38.50	5.21	1.08	32698
Sep-20	61.37	3.61	3.54	6.50	38.50	7.15	0.98	52992
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.43	2.70	2.90	6.47	39.31	5.60	1.08	271653

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

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	63.06	2.27	2.57	6.10	13.40	4.84	1.13	72169
Sep-20	63.20	2.37	2.33	6.44	13.44	4.70	0.98	69182
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.10	2.31	2.51	6.21	13.80	4.82	1.08	506393

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

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	62.90	2.58	2.47	5.39	39.38	5.05	0.96	97129
Sep-20	62.44	3.05	2.66	5.06	36.99	5.71	0.87	102126
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.83	2.73	2.51	5.13	38.27	5.24	0.92	726192

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	61.90	4.23	2.38	16.84	26.55	6.61	0.56	216803
Sep-20	61.71	4.93	2.01	17.07	22.82	6.94	0.41	212475
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.22	3.90	2.28	16.92	22.73	6.18	0.58	895599

गुणवत्ता:: द्रौगापूर

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	62.59	2.77	1.39	32.28	9.85	4.16	0.50	123240
Sep-20	62.38	2.76	1.75	26.48	11.25	4.51	0.64	124605
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.41	2.64	1.80	28.35	11.00	4.44	0.68	581685

गुणवत्ता :: बोकारो

फाईस्स

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	61.03	5.46	2.45	4.94	40.96	7.92	0.45	310961
Sep-20	61.19	5.54	2.16	5.52	41.57	7.71	0.39	343998
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	61.46	4.85	2.45	5.40	39.23	7.30	0.51	1584348

गुणवत्ता:: द्रौगापूर

फाईस्स

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	62.64	3.22	2.08	9.23	37.58	5.30	0.65	211640
Sep-20	62.57	3.33	2.10	8.80	39.12	5.44	0.63	188110
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.34	3.29	2.37	8.72	38.26	5.66	0.72	904020

गुणवत्ता :: राउरकेला

BLEND

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 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	62.70	2.59	2.83	7.17	16.72	5.42	1.10	165573
Sep-20	62.67	2.98	2.51	7.14	17.13	5.49	0.84	170717
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.87	2.55	2.62	6.65	15.51	5.17	1.02	855106

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	RECPT
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	62.92	3.58	2.07	8.52	5.55	5.65	0.58	69540
Sep-20	63.28	3.23	1.98	13.58	5.67	5.21	0.61	69540
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	63.10	3.32	2.08	18.55	4.82	5.40	0.63	432779

गुणवत्ता :: राउरकेला

BLEND

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 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	61.99	3.23	3.04			6.27	0.94	305623
Sep-20	61.44	3.85	3.22			7.07	0.84	366234
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.12	3.08	2.98			6.05	0.97	1575513

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	RECPT
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	60.97	4.75	3.57	8.32	38.22	8.32	0.75	225480
Sep-20	61.46	4.54	3.16	7.45	39.56	7.70	0.70	225479
Oct-20								
Nov-20								
Dec-20								
Jan-21								
Feb-21								
Mar-21								
CUMML	62.00	3.96	2.96	7.84	41.02	6.92	0.75	1184531

### भिलाई

### BF Limestone

	CaO	MgO	SiO2	OS	US
Act 19-20	49.85	2.16	3.87	9.05	18.42
APP 20-21	50.00	2.25	3.50	5.00	5.00
Apr-20					
May-20					
Jun-20	49.20	2.74	4.10	4.30	12.00
Jul-20	50.71	1.72	3.47	4.90	18.66
Aug-20	49.17	2.75	3.88	6.07	10.07
Sep-20	49.71	2.36	3.74	8.94	13.56
Oct-20					
Nov-20					
Dec-20					
Jan-21					
Feb-21					
Mar-21					
CUMML	49.79	2.33	3.74	6.36	13.86

### बोकारो

### BF Limestone

	CaO	MgO	SiO2	OS	US
Act 19-20	42.96	3.93	3.64	10.22	17.95
APP 20-21	50.00	2.25	3.50	5.00	5.00
Apr-20					
May-20					
Jun-20	43.06	5.22	3.62	5.14	32.23
Jul-20	44.75	4.17	3.64	4.56	32.92
Aug-20	44.63	4.55	3.74	5.21	33.58
Sep-20	43.15	4.79	3.86	9.64	23.36
Oct-20					
Nov-20					
Dec-20					
Jan-21					
Feb-21					
Mar-21					
CUMML	43.87	4.68	3.75	6.73	29.52

### राउरकेला

### BF Limestone

	CaO	MgO	SiO2	OS	US
Act 19-20	49.60	2.46	3.69		
APP 20-21	50.00	2.25	3.50	5.00	5.00
Apr-20					
May-20					
Jun-20					
Jul-20	48.40	3.20	4.10		
Aug-20	48.54	3.11	3.96		
Sep-20	49.03	2.97	3.83		
Oct-20					
Nov-20					
Dec-20					
Jan-21					
Feb-21					
Mar-21					
CUMML	48.77	3.05	3.93		

### कुटेश्वर

### PLANT BLEND Limestone

	CaO	MgO	SiO2	OS	US
Act 19-20	47.47	2.85	3.73	6.42	12.12
APP 20-21	50.00	2.25	3.50	5.00	5.00
Apr-20					
May-20					
Jun-20	45.08	4.40	3.78	4.86	25.56
Jul-20	48.03	2.72	3.56	4.17	19.85
Aug-20	43.61	3.19	3.54	4.28	15.47
Sep-20	47.09	3.28	3.80	7.28	14.28
Oct-20					
Nov-20					
Dec-20					
Jan-21					
Feb-21					
Mar-21					
CUMML	46.58	3.54	3.74	5.54	19.23

# PERFORMANCE REPORT OF HEMM

KIRIBURU IRON ORE MINES

Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar-20	UTILIS. UPTO Sept-20	MAKE / TYPE	CAP	DATE OF COMMISSION	September-19												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 [4]</b>																													
BE-18	23133	23133	BEML,BE-1000	4.5CU.M	31-Jul-08	600	600											3340	3340										
EX-20	27411	29087	KOMATSU PC2000-8	9.5 CU.M	17-Feb-12	600	163	142	437	295	72.8	49.2	67.5	2398	8.13	81.02	3340	659	1005	2681	1676	80.3	62.5	50.2	9328	5.57	66.53		
EX-22	18554	20405	KOMATSU PC2000-8	9.5 CU.M	11-Aug-15	600	10	210	590	380	98.3	63.3	64.4	2103	5.53	64.47	3340	295	1194	3045	1851	91.2	60.8	55.4	11145	6.02	69.69		
EX-23	19279	20049	KOMATSU PC2000-8	9.5 CU.M	28-Sep-15	600	318	135	282	147	47.0	24.5	52.1	886	6.03	63.95	3340	1821	749	1519	770	45.5	50.7	23.1	5349	6.95	66.88		
						TOTAL	1800	491	487	1309	822	72.7	62.8	45.7	5387	6.55	70.32	10020	2775	2948	7245	4297	72.3	59.3	42.9	25822	6.01	67.95	
<b>DUMPERS-85T&amp;100T [8]</b>																													
DUM-87	13802	13802	BEML,BH-85	85Te	30-Mar-08	600	600										-	-	3340	3340									
DUM-88	32004	32982	KOMATSU HD785-7	100 Te	23-Jul-10	600	14	227	586	359	97.67	59.83	61.26	1648	4.59	45.13	3340	1134	1228	2206	978	66.0	44.3	29.3	4992	5.10	43.87		
DUM-89	36420	37733	KOMATSU HD785-7	100Te	23-Jul-10	600	142	221	458	237	76.33	39.50	51.75	1059	4.47	52.11	3340	661	1366	2679	1313	80.2	49.0	39.3	5436	4.14	41.77		
DUM-91	19584	20122	CAT 777D	100T	2-Feb-12	600	244	208	356	148	59.33	24.67	41.57	594	4.01	39.86	3340	1408	1394	1932	538	57.8	27.8	16.1	2718	5.05	39.59		
DUM-92	21991	22095	CAT 777D	100T	2-Feb-12	600	500	79	100	21	16.67	3.50	21.00	77	3.67	71.43	3340	2952	285	389	104	11.6	26.8	3.1	322	3.10	49.52		
DUM-93	10379	10669	BEML BH-100	100T	2-May-15	600	600									-	-	3340	2627	423	713	290	21.3	40.7	8.7	1087	3.75	60.69	
DUM-94	9498	10975	BEML BH-100	100T	2-May-15	600	288	131	313	182	52.08	30.33	58.24	726	3.99	52.20	3340	553	1311	2788	1477	83.5	53.0	44.2	6160	4.17	45.33		
DUM-95	7350	8489	BEML BH-100S	100T	May 2016	600	34	279	567	288	94.42	48.00	50.84	1263	4.39	44.79	3340	175	2027	3166	1139	94.8	36.0	34.1	5059	4.44	38.76		
						TOTAL	4200	1821	1144	2379	1235	56.64	51.91	29.40	5367	4.35	47.25	23380	9509	8033	13872	5839	59.3	42.1	25.0	25774	4.41	43.31	
<b>DRILL [5]</b>																													
DM-17	23260	23536	IR-ROTACOL-IDM-30	160mm	24-Mar-05	480	429	47	51	4	10.63	0.83	7.84			25.00	2672	2056	340	616	276	23.1	44.8	10.3	1536	5.57	23.73		
DM-18	27113	27740	AC-ROTACOL-IDM-30	160mm	19-May-08	480	350	95	130	35	27.08	7.29	26.92			37.14	2672	1132	914	1540	627	57.6	40.7	23.4	1893	3.02	25.30		
DM-19	18828	18963	AC-ROTACOL-IDM-30	160mm	14-Oct-09	480	345			36						28.17	2672	2537		135	135	5.1	100.0	5.1			7.41		
DM-20	12516	12965	AC-ROTACOL-IDM-30	160mm	Oct '14	480	110	194	370	177	77.08	36.77	47.70			27.76	2672	1658	566	1014	449	37.9	44.2	16.8	1664	3.71	27.20		
DM-21			AC-ROTACOL-IDM-30	160mm	July'20	480	171			173						26.01	928	243	147	685	538	73.8	78.5	58.0	2872	5.34	17.47		
						TOTAL	1920	1234	336	686	351	35.73	51.09	18.26			20.83	10688	7383	1819	3305	1486	30.9	45.0	13.9	5093	3.43	23.96	
<b>DOZER [6]</b>																													
DOZ-29	18180	18180	BEML, D-355	410HP	11-Jun-04	480	480									-	-	2672	2672										
DOZ-30	21866	22322	BEML, D-355	410HP	8-Jul-07	480	480									-	-	2672	1508	708	1164	456	43.6	39.2	17.1			28.07	
DOZ-31	20482	20482	BEML, D-355	410 HP	19-Feb-09	480	480									-	-	2672	2672										
DOZ-32	7480	7521	BEML, D-355	410 HP	17-Apr-15	480	480									-	-	2672	2557	74	115	41	4.3	35.7	1.5			42.68	
DOZ-33	6174	6550	BEML, D-356	410HP	22-Sep-17	480	68	174	412	238	85.8	49.6	57.8			26.68	2672	1973	324	699	376	26.2	53.7	14.1			26.63		
DOZ-34	3074	4592	BEML, D-356	410HP	31-Dec-18	480	54	172	426	254	88.8	52.9	59.6			30.12	2672	168	986	2504	1518	93.7	60.6	56.8			29.31		
						TOTAL	2880	2042	346	838	492	29.1	58.7	17.1			28.46	16032	11550	2092	4482	2391	28.0	53.3	14.9			28.89	
<b>PAY LOADER [1]</b>																													
FEL-4	13839	14470	KOMATSU WA-470-3	2.9 CU.M	16-Jan-09	240	28	96	212	116	88.33	48.33	54.72			16.4	1336	187	518	1149	631	86.0	54.9	47.2			16.80		
<b>MPTOR GRADER [3]</b>																													
MG-7	6322	6322	BEML, BG825	280HP	10-Jul-91											-	-	872	208	664	664		76.15						
MG-8	3137	3137	BEML, BG825	280HP	19-May-12	240	240									-	-	1336	1128	208	208		15.57						
MG-9	454	691	BEML, BG825	280HP	5-Mar-19	240	62	120	178	58	74.17	24.17	32.58			22.41	1336	432	667	904	237	67.7	26.22	17.74			25.74		
						TOTAL	480	302	120	178	58	37.08	32.58	12.08			22.41	3544	1768	1539	1776	237	50.11	13.34	6.69			25.74	
<b>WATER TANKER [3]</b>																													
WT-83	20862	20862	BEML, WS-28-2	28KL	21-Mar-05	600	600									-	-	3340	2820	520	520		15.6						
WT-90	13584	13802	BEML, WS-28-2	28KL	Mar '11	600	140	458	460	2	76.7	0.3	0.4			125.00	3340	839	2283	2501	218	74.9	8.7	6.5			24.08		
WT-96	1121	1470	BEML, WS-28-2	28KL	17-Feb-19	600		501	600	99	100.0	16.5	16.5			12.12	3340	650	2341	2690	349	80.5	13.0	10.4			20.34		
						TOTAL	1800	740	959	1060	101	58.9	9.5	5.6			14.36	10020	4309	5144	5711	567</							

## MEGHAHATBURU IRON ORE MINES

## Equipment Performance Report

SAIL-RMD

PROJ. NO.	UTILIS. UPTO Sept-20	MAKE / TYPE	CAPACITY	DATE OF COMM	September-20											2020-2021													
					SCH. HRS.	B/D HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT %	UT% net	TRIP	F/RATE	HSD/ HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	TRIP / MT.	FEED RATE	HSD/ HR			
<b>EXCAVATORS 4.5 CUM. [ 1 ]</b>																													
BE-11	38110	BEML	4.5 CUM	30-09-2005	624	435	71	189	118	30.3	62.4	18.9	123	1.0	24	3864	1530	1849	2335	486	60.4	20.8	12.6	495	1.0	23			
<b>EXCAVATORS 9.5 CUM. [ 3 ]</b>																													
PC-14	36953	KOMATSU	9.5 CUM	20-01-2012	624	147	212	478	266	76.5	55.7	42.6	2081	7.8	86	3864	1195	1213	2669	1456	69.1	54.6	37.7	10912	7.5	84			
PC-17	20894	KOMATSU	9.5 CUM	24-07-2015	624	223	194	401	207	64.3	51.6	33.2	1420	6.9	85	3864	2376	744	1488	744	38.5	50.0	19.3	5674	7.6	86			
PC-18	33759	KOMATSU	9.5 CUM	11-07-2016	624	210	206	415	209	66.4	50.4	33.5	1635	7.8	86	3864	1072	1247	2793	1546	72.3	55.4	40.0	11486	7.4	84			
					TOTAL	1872	579	611	1293	682	69.1	52.7	36.4	5136	7.5	85	11592	4643	3204	6950	3746	60.0	53.9	32.3	28072	7.5	84		
<b>DUMPER,50 TE [ 2 ]</b>																													
D - 49	28294	BEML	50 TON	05-03-2007												-	-									-	-	-	
D - 50	24121	BEML	50 TON	15-04-2007	624	624										-	-	3864	3142	572	722	150	18.7	20.8	3.9	132	0.9	24	
					TOTAL	624	624									-	-	3864	3142	572	722	150	18.7	20.8	3.9	132	0.9	24	
<b>DUMPER,100 TE [ 7 ]</b>																													
D - 51	34266	KOMATSU	100 TON	01-09-2010	624	624										-	-	3864	2420	625	1445	820	37.4	56.8	21.2	4124	5.0	36	
D - 52	35965	KOMATSU	100 TON	01-09-2010	624	106	316	519	203	83.1	39.2	32.5	902	4.4	38	3864	808	1477	3057	1580	79.1	51.7	40.9	7185	4.5	35			
D - 53	34511	KOMATSU	100 TON	01-09-2010	624	474	92	151	59	24.1	39.2	9.5	261	4.4	40	3864	1299	1393	2565	1172	66.4	45.7	30.3	5212	4.4	35			
D - 54	17466	CATER	100 TON	06-02-2012	624	124	171	501	330	80.2	65.9	52.9	1308	4.0	32	3864	1082	1974	2783	809	72.0	29.1	20.9	3355	4.1	33			
D - 55	20661	CATER	100 TON	06-02-2012	624	231	197	394	197	63.1	50.1	31.6	843	4.3	33	3864	909	2177	2955	778	76.5	26.3	20.1	3438	4.4	34			
D - 56	10870	BEML	100 TON	09-05-2016	624	128	262	497	235	79.6	47.3	37.7	1032	4.4	35	3864	883	2317	2982	665	77.2	22.3	17.2	2736	4.1	34			
D - 57	10417	BEML	100 TON	09-05-2016	624	99	311	525	214	84.1	40.8	34.3	913	4.3	30	3864	798	2481	3067	586	79.4	19.1	15.2	2471	4.2	34			
					TOTAL	4368	1784	1347	2585	1238	59.2	47.9	28.3	5259	4.2	34	27048	8197	12442	18852	6410	69.7	34.0	23.7	28521	4.4	35		
<b>DRILL [ 4 ]</b>																													
DM - 7	26499	IR	6" DIA	01-04-2005	312	57	52	255	203	81.7	79.6	65.1	966	4.8	35	1932	560	523	1373	850	71.0	61.9	44.0	4730	5.6	36			
DM - 8	24858	IR	6" DIA	05-05-2008	312	70	70	242	173	77.6	71.3	55.3	966	5.6	36	1932	427	391	1505	1114	77.9	74.0	57.7	7728	6.9	34			
DM - 9	22658	IR	6" DIA	16-09-2009	312	162	84	150	66	48.1	44.0	21.2	496	7.5	36	1932	683	478	1249	771	64.6	61.7	39.9	5118	6.6	35			
DM - 10	14805	IR	6" DIA	06-11-2014	312	312										-	-	1932	1932							-	-	-	
					TOTAL	1248	601	206	647	442	51.8	68.2	35.4	2428	5.5	35	7728	3602	1392	4127	2735	53.4	66.3	35.4	17576	6.4	35		
<b>DOZER [ 7 ]</b>																													
DOZ-23	22218	BEML	410 HP	02-10-2008	624	624										-	-	3864	3864								-	-	-
DOZ-24	21199	BEML	410 HP	06-04-2010	624	198	302	426	124	68.3	29.1	19.9				36	3864	957	2199	2908	709	75.2	24.4	18.3			35		
DOZ-25	10346	BEML	410 HP	28-12-2010	624	258	237	367	130	58.7	35.3	20.8				35	3864	1354	1900	2510	610	65.0	24.3	15.8			36		
DOZ-26	17202	BEML	410 HP	16-05-2011	624	406	152	218	66	34.9	30.3	10.6				35	3864	3646	152	218	66	5.6	30.3	1.7			-		
DOZ-27	11198	BEML	410 HP	28-04-2015	624	300	202	325	123	52.0	37.9	19.7				35	3864	1996	1451	1869	418	48.4	22.4	10.8			35		
DOZ-28	6146	BEML	410HP	31-03-2018	624	200	240	424	184	67.9	43.4	29.5				35	3864	1513	1559	2352	793	60.9	33.7	20.5			34		
DOZ-29	4400	BEML	410HP	19-12-2018	624	624										-	-	3864	1505	1564	2359	795	61.1	33.7	20.6			34	
					TOTAL	4368	2609	1133	1759	627	40.3	35.6	14.3			35	27048	14834	8824	12215	3391	45.2	27.8	12.5			-		
<b>PAY LOADER [ 1 ]</b>																													
PL - 03	4756	HYUNDAI	3.7 CU.M	18-09-2012	624	624										-	-	3864	3864										
<b>BACK HOE [ 3 ]</b>																													
BE-12A	24190	BEML	1.2 CUM	Nov'08	624	357	137	267	130	42.8	48.7	20.8				25	3864	1514	1704	2350	646	60.8	27.5	16.7			23		
HT-15	23405	TCECL	1.5 CUM	03-10-2012	624	116	291	509	218	81.5	42.8	34.9				23	3864	1217	1267	2647	1381	68.5	52.2	35.7	58		23		
HT-16	13526	TCECL	1.5 CUM	01-12-2014	624	624										-	-	3864	3864										-
					TOTAL	1872	1097	428	776	348	41.4	44.8	18.6			24	11592	6595	2970	4997	2027	43.1	40.6	17.5	58		23		
<b>WATER TANKER [ 3 ]</b>																													
WT - 05	20633	BEML	28 KL	15-02-2007	624	624										-	-	3864	3607	139	257	118	6.7	45.9	3.1	50	0.4	26	
WT - 06	13006	BEML	28 KL	17-08-2012	624	83	455	542	87	86.8	16.0	13.9	64	0.7	22	3864	942	2369	292										

## PERFORMANCE REPORT OF HEMM

BOLANI ORE MINES

Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILS. UPTO Sept-20	MAKE / TYPE	CAPACITY	DATE OF COMMISSION.	September-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 [ 6 ]</b>																												
EX-26	32156	BEML PC-1000(D)	4.5 CuM	24-Jun-05	720	54	611	666	55	92.5	8.3	7.6	340	6.18	36.3	4008	1696	1908	2312	405	57.69	17.49	10.09	2978	7.36	33.58		
					SUB TOTAL	720	54	611	666	55	92.5	8.3	7.6	340	6.18	36.3	4008	1696	1908	2312	405	57.69	17.49	10.09	2978	7.36	33.58	
EX-28	16020	BE-1600	7.5 Cu.m	22-Jun-10	720	114	583	606	23	84.2	3.8	3.2	152	6.68	94.1	4008	1573	2308	2435	127	60.75	5.22	3.17	457	3.60	63.54		
EX-29	29969	KOMATSU PC-2000-8	9.5 Cu.M	01-Nov-10	720	103	326	617	291	85.7	47.2	40.5	1741	5.98	76.1	4008	502	2068	3506	1438	87.47	41.03	35.89	6861	4.77	82.69		
EX-30	20412	KOMATSU PC-2000-8	9.5 Cu.M	03-Aug-15	720	87	343	633	290	88.0	45.8	40.3	1720	5.92	71.6	4008	370	1737	3638	1901	90.77	52.25	47.43	10431	5.49	75.58		
EX-31	18747	KOMATSU PC-2000-8	9.5 Cu.M	05-Sep-15	720	58	269	662	393	91.9	59.3	54.5	2245	5.72	79.6	4008	998	1428	3010	1582	75.11	52.55	39.47	7233	4.57	78.02		
					SUB TOTAL	2880	362	1521	2518	997	87.4	39.6	34.6	5858	5.88	76.6	16032	3443	7541	12589	5048	78.53	40.10	31.49	24982	4.95	78.07	
					TOTAL	3600	416	2132	3184	1052	88.5	33.0	29.2	6198	5.89	74.5	20040	5138	9449	14902	5453	74.36	36.59	27.21	27960	5.13	74.77	
<b>DUMPER,50</b>																												
HP-30	17683	C.I.773D(I)	50 T	01-Mar-06	720	720										-	-	4008	3788	196	220	24	5.49	10.91	0.60	246	10.25	28.13
HP-32	24719	BEML BH-50M	50 T	06-Mar-08	720	37	636	683	47	94.8	6.9	6.5	305	6.49	8.5	4008	618	2887	3390	503	84.59	14.84	12.55	3906	7.77	19.88		
					TOTAL	1440	757	636	683	47	47.4	6.9	3.3	305	6	8.5	8016	4406	3083	3610	527	45.04	14.60	6.57	4152	7.88	20.26	
<b>DUMPER,10</b>																												
HP-32A	33409	KOMATSU HD785-7	100 T	22-Jun-10	720	37	270	684	414	94.9	60.5	57.5	1387	3.35	39.3	4008	233	1569	3775	2206	94.19	58.44	55.04	6259	2.84	38.93		
HP-34	30371	KOMATSU HD785-7	100 T	22-Jun-10	720	36	286	684	398	95.0	58.2	55.3	1351	3.39	35.9	4008	895	1446	3113	1667	77.67	53.56	41.60	4748	2.85	36.10		
HP-35	17210	BEML BH-100	100 T	22-Jun-10	720	720										-	-	4008	2558	1220	1450	230	36.18	15.86	5.74	542	2.36	45.99
HP-36	12369	BEML BH-100	100 T	22-Jun-10	720	720										-	-	4008	3546	409	463	54	11.54	11.68	1.35	161	2.98	27.13
HP-37	22136	CAT 777D	100 T	25-Jan-12	720	720										-	-	4008	3984	8	24	16	0.60	66.67	0.40			
HP-38	13582	BEML BH-100S	100 T	03-May-16	720	596	54	124	70	17.2	56.3	9.7	258	3.71	41.2	4008	1483	1475	2525	1050	62.99	41.58	26.19	2953	2.81	35.73		
HP-39	13210	BEML BH-100S	100 T	03-May-16	720	129	235	591	357	82.1	60.3	49.5	1368	3.84	41.6	4008	1335	1226	2673	1447	66.69	54.13	36.10	4225	2.92	41.56		
HP-40	12087	BEML BH-100S	100 T	03-May-16	720	201	258	519	261	72.1	50.3	36.3	981	3.76	38.7	4008	1034	1630	2974	1344	74.19	45.19	33.53	4407	3.28	39.54		
					TOTAL	5760	3158	1103	2602	1499	45.2	57.6	26.0	5345	3.57	38.9	32064	15068	8982	16996	8014	53.01	47.15	24.99	23295	2.91	38.54	
<b>DRILL [ 4 ]</b>																												
DM-11	19036	AC-ROTACOL-IDM-30	160mm	14-Feb-08	480	127	244	353	108	73.5	30.7	22.6	970	8.95	28.3	2672	759	1288	1913	625	71.60	32.66	23.39	7242	11.59	36.78		
DM-12	19824	AC-ROTACOL-IDM-30	160mm	12-Aug-09	480	179	167	302	134	62.8	44.6	28.0	1866	13.88	31.8	2672	915	1268	1758	489	65.77	27.84	18.31	8733	17.85	37.00		
DM-12A	17731	AC-ROTACOL-IDM-30	160mm	22-Mar-11	480	213	187	267	80	55.6	30.0	16.7	625	7.81	40.8	2672	1668	808	1004	196	37.59	19.53	7.34	2374	12.10	54.50		
DM-14	12996	AC-ROTACOL-IDM-30	160mm	19-Nov-14	480	255	104	225	121	46.8	53.7	25.1	1565	12.98	29.4	2672	469	1172	2203	1031	82.45	46.81	38.60	14457	14.02	32.90		
					TOTAL	1920	774	702	1146	443	59.7	38.7	23.1	5026	11.33	31.9	10688	3810	4537	6878	2342	64.35	34.04	21.91	32806	14.01	36.60	
<b>DOZER [ 8 ]</b>																												
DOZ-22	16088	BEML BD355	410 HP	06-Jul-07												-	-											
DOZ-23	13294	BEML BD355	410 HP	27-Aug-08	480	1	471	479	8	99.8	1.7	1.7			165.0	3056	360	2388	2696	308	88.2	11.4	10.1			50.8		
DOZ-24	14897	BEML BD355	410 HP	09-Mar-10	480	124	212	357	145	74.3	40.6	30.2			30.8	2672	682	1181	1990	809	74.5	40.7	30.3			29.6		
DOZ-25	13144	BEML BD355	410 HP	09-Mar-10	480	99	265	381	116	79.4	30.4	24.2			44.3	2872	634	1671	2238	567	77.9	25.3	19.7			43.6		
DOZ-26	8686	BEML BD355	410 HP	03-May-14	480	480									-	-	2672	2672										
DOZ-27	8159	BEML BD355	410 HP	03-May-14	720	29	599	691	92	96.0	13.3	12.8			62.9	3664	498	2663	3166	503	86.4	15.9	13.7			56.3		
DOZ-28	8377	BEML BD355	410 HP	26-Apr-16	720	154	471	566	95	78.6	16.7	13.1			59.5	3976	542	2863	3434	572	86.4	16.6	14.4			43.9		
DOZ-29	3780	BEML BD355	410 HP	15-Apr-19	480	29	213	452	239	94.1	52.9	49.8			28.4	2672	279	1073	2393	1320	89.5	55.2	49.4			27.9		
					TOTAL	3840	915	2231	2925	694	76.2	23.7	18.1			41.9	21584	5667	11838	15917	4079	73.7	25.6	18.9			37.9	
<b>PAY LOADEI</b>																												
PL-20	14972	Kawasaki, 90Ziv-2	256 HP	26-Aug-09	720	570	124	150	26	20.8	17.2	3.6			15.2	4008	3725	209	283	74	7.06	26.18	1.85			9.54		
PL-22	11029	Hyundai-HI770-7A	280 HP	26-May-10	720	720									-	-	4008	3325	612	683	71	17.04	10.40	1.77			20.24	
PL-23	13963	Kawasaki, 90ZV	257 HP	07-Oct-15	720	33	417	687	270	95.4	39.2	37.4			16.5	4008	605	2292	3403	1111	84.91	32.64						

## BARSUA IRON MINES

## PERFORMANCE REPORT OF HEMM

## Equipment Performance Report



SAIL-RMD

PROJ. NO.	UTILIS. UPTO Mar-20	UTILIS. UPTO Sept-20	MAKE / TYPE	CAP	DATE OF COMMISSION	September-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			
EXCAVATORS [ 6 ]																													
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	22466	BEML,BE-1000	4.5 CuM	22-Dec-08	672	187	236	485	249	72.17	51.34	37	1534	6.16	52.49	3768	1308	1081	2460	1379	65.3	56.1	36.6	5.93	49.4			
EX-23	16253	17272	BEML, BE-1000	4.5CuM	18-Feb-10	672	276	204	396	192	58.93	48.48	29	1075	5.60	45.10	3768	1276	1473	2492	1019	66.1	40.9	27.0	4.92	44.7			
EX-27	4523	5907	BEML, BE-1000-1	4.5 CuM	19-Dec-17	656	230	137	426	289	64.94	67.84	44	2337	8.09	64.17	3752	678	1690	3074	1384	81.9	45.0	36.9	6.58	61.8			
						TOTAL	2000	693	577	1307	730	65.35	55.85	36.50	4946	6.78	55.17	11888	3439	4516	8449	3933	71.1	46.5	33.1	5.92	52.4		
EX-21	18158	18158	TELCON,1200V-1018	5.9 CuM	28-May-07	624		624	624		100.00				-	-	3720	3096	624	624			16.8						
EX-24	14045	14146	BEML, BE-1600	7.5CuM	04-Aug-11	624		624							-	-	3720	3444	175	276	101	7.4	36.6	2.7	7.55	80.2			
						TOTAL	1248	624	624	624		50.00											7440	6540	799	900	101		
DUMPER,50 TE [ 5 ]																													
HPD-90	17679	18176	BEML,210M	50T	1-Apr-05	672	133	371	539	168	80.21	31.17	25.00	473	2.82	29.09	3768	1966	1305	1802	497	47.8	27.6	13.2	2.69	31.9			
BH-93	24399	24415	BH-50 M	50T	1-Feb-08	640	569	55	71	16	11.09	22.54	2.50	35			640	569	55	71	16	11.1	22.5	2.5	2.19	26.6			
BH-94	23537	23827	BH-50 M	50T	22-Dec-08	672	304	267	368	101	54.76	27.45	15.03	275	2.72	30.10	3768	1874	1604	1894	290	50.3	15.3	7.7	2.57	31.7			
BH-95	31498	32073	BH-50 M	50T	6-Feb-09	640	473	127	167	40	26.09	23.95	6.25	122	3.05	33.25	3736	1083	2078	2653	575	71.0	21.7	15.4	2.68	29.2			
BH-96	26943	27615	BH-50 M	50T	20-Aug-09	416	195	218	221	3	53.13	1.36	0.72					3512	1054	1786	2458	672	70.0	27.3	19.1	2.62	29.6		
BH-99	23750	23848	BH-50 M	50T	20-Feb-14										-	-	2272	109	2065	2163	98	95.2	4.5	4.3		14.1			
						TOTAL	3040	1674	1038	1366	328	44.93	24.01	10.79	905	2.76	29.52	17696	6655	8893	11041	2148	62.4	19.5	12.1	2.64	29.6		
DUMPER,60 TE [ 3 ]																													
HPD-101	7543	9553	BEML,BH-60	60 T	16-Nov-17	672	108	132	564	432	83.93	76.60	64.29	1282	2.97	39.34	3768	522	1236	3246	2010	86.1	61.9	53.3	3.17	46.5			
HPD-102	8067	9555	BEML,BH-60	60 T	23-Nov-17	672	104	151	568	417	84.52	73.42	62.05	1181	2.83	38.18	3768	1020	1260	2748	1488	72.9	54.1	39.5	3.23	45.9			
HPD-103	4179	6185	BEML,BH-60	60 T	08-May-19	672	95	121	577	456	85.86	79.03	67.86	1312	2.88	35.22	3768	574	1188	3194	2006	84.8	62.8	53.2	2.86	41.6			
						TOTAL	1344	212	283	1132	849	84.23	75.00	63.17	2463	2.90	38.77	11304	2116	3684	9188	5504	81.3	59.9	48.7	2.03	44.5		
DUMPER,100 TE [ 2 ]																													
BH-97	10132	10298	BEML,BH-100	100 T	4-Aug-11	656	142	400	514	114	78.35	22.18	17.38	247	2.17	40.96	3752	1581	2005	2171	166	57.9	7.6	4.4	2.12	42.6			
BH-98	8941	9263	BEML,BH-100	100 T	04-Aug-11	624	562	53	62	9	9.94	14.52	1.44	19	2.11	50.56	3720	1315	2083	2405	322	64.7	13.4	8.7	2.61	49.0			
						TOTAL	1280	704	453	576	123	45.00	21.35	9.61	266	2.16	41.67	7472	2896	4088	4576	488	61.2	10.7	6.5	2.44	46.8		
DRILL [ 3 ]																													
DM-7	23690	23690	AC - IDM-30	160mm	29-Jan-98	416	416								-	-	2480	1944	536	536		21.6							
DM-9	10417	10665	AC - IDM-30	160mm	30-Sep-09	432	311	64	121	57	28.01	47.11	13.19				34.91	2496	1403	845	1093	248	43.8	22.7	9.9	2.97	36.3		
DM-10	5936	6432	AC - IDM-30	160mm	14-Jan-15	464	125	210	339	129	73.06	38.05	27.80				36.89	2528	946	1086	1582	496	62.6	31.4	19.6	4.16	33.7		
						TOTAL	1312	852	274	460	186	35.06	40.43	14.18				36.28	7504	4293	2467	3211	744	42.8	23.2	9.9	3.76	34.5	
DOZER [ 6 ]																													
TR-36 (B/V)	14105	14974	BEML,D-155A	320 HP	23-Apr-05	696	100	385	596	211	85.63	35.40	30.32				35.40	3792	1478	1445	2314	869	61.0	37.6	22.9		38.8		
TR-37	16010	16270	BEML,D-155A	320 HP	22-Jun-07	672	94	515	578	63	86.01	10.90	9.38				56.90	3768	2258	1250	1510	260	40.1	17.2	6.9		45.8		
TR-38	16556	16573	BEML, D-355	410 HP	16-Feb-10	624	624							-				3720	3433	270	287	17	7.7	5.9	0.5		94.1		
TR-39	10795	11425	BEML, D-355	410 HP	10-Apr-12	672	398	156	274	118	40.77	43.07	17.56				25.08	3768	1837	1301	1931	630	51.2	32.6	16.7		30.7		
TR-40	6283	6878	BEML, D-355	410 HP	6-Jun-14	672	351	201	321	120	47.77	37.38	17.86				38.21	3768	1726	1447	2042	595	54.2	29.1	15.8		38.4		
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	3336	1567	1257	1769	512	53.03	28.94	15.35				36.33	20016	10863	6532	9153	2621	45.7	28.6	13.1		38.1	
PAY LOADER [ 2 ]																													
FEL-6	10228	10365	&T KOMAT. IMA-470-3	260 HP	21-Jan-09	312	312							-	-		1860	929	794	931	137	50.1	14.7	7.4		15.7			
FEL-7	6451	6767	HYUNDAI	280 HP	27-Aug-11	336	169	57	167	110	49.70	65.87	32.74				16.55	1884	1438	130	446	316	23.7	70.9	16.8		17.5		
						TOTAL	648	481	57	167	110	25.77	65.87	16.98				16.55	3744	2367	924	1377	453	36.8	32.9	12.1		16.9	
MOTOR GRADER [ 1 ]																													

EQUIPMENTS	UTILIS. UPTO Sept-20	MAKE / TYPE	CAPACITY	DATE OF COMMISSION	September-20										2020-2021												
					SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	TRIP	FEED RATE	HSD/ HR	SCH. HRS.	DOWN HRS.	IDLE HRS.	AVL. HRS.	UTL. HRS.	AV%	UT%	NET UT %	FEED RATE	HSD/ HR		
<b>EXCAVATORS[4]</b>																											
D-12A	18064	BE 1000(D)	4.5 CuM	27-Apr-08	672	672									-	-	3912	3912									
D-12	11566	BE 1600	7.5 CuM	16-Feb-11	672	672									-	-	3912	3912									
D-14	30377	KOMATSU	9.5 CuM	06-Apr-12	672	115	217	557	340	82.9	61.1	50.6	1276	3.8	79.1	3912	1580	1149	2332	1183	59.6	50.7	30.2	3.5	78.2		
D-15	23546	KOMATSU	9.5 CuM	31-Aug-15	672	43	435	629	194	93.6	30.8	28.9	757	3.9	70.6	3912	495	2024	3417	1393	87.3	40.8	35.6	4.1	79.8		
D-16	3451	LIEBHERR	9.5 CuM	30-Sep-19	672	65		607	214	90.3	35.3	31.9	822	3.8	108.1	3912	500	1556	3412	1856	87.2	54.4	47.4	4.1	93.3		
					TOTAL	3360	1567	652	1793	748	53.4	41.7	22.3	2855	3.8	85.2	19560	10400	4730	9160	4431	46.8	48.4	22.7	3.9	85.0	
<b>DUMPER,50 TE[3]</b>																											
R/D-85	18561	BEML-BH-50M	50 Te	Mar- 08	672	672									-	-	3912	3912									
R/D-86	20060	BEML-BH-50M	50Te	Sep-08	672	672									-	-	3912	3912									
R/D-87	17443	BEML-BH-50M	50Te	Dec-08	672	672									-	-	3912	3912									
					TOTAL	2016	2016										11736	11736									
<b>DUMPER,100 TE[6]</b>																											
R/D-88	26300	KOMAT.HD785-7	100 T	10-Sep-10	672	276	90	396	306	58.9	77.2	45.5	823	2.7	50.6	3912	2040	349	1872	1523	47.8	81.4	38.9	2.4	52.3		
R/D-89	34375	KOMAT.HD785-7	100 T	10-Sep-10	672	392	87	280	193	41.6	68.8	28.7	465	2.4	54.6	3912	1343	636	2569	1933	65.7	75.3	49.4	2.6	48.9		
R/D-90	23129	CAT 777D	100 T	25-Jan-12	672	308	89	364	275	54.2	75.5	40.9	742	2.7	56.7	3912	1480	1156	2432	1277	62.2	52.5	32.6	2.6	50.5		
R/D-91	20020	CAT 777D	100 T	25-Jan-12	672	102	177	570	393	84.8	69.0	58.4	825	2.1	43.0	3912	1443	1016	2469	1453	63.1	58.8	37.1	2.7	52.0		
R/D-92	13300	BEML- BH 100	100 T	27-May-15	672	672									-	-	3912	3034	405	879	474	22.5	53.9	12.1	3.2	61.4	
					TOTAL	4032	2422	443	1610	1166	39.9	72.5	28.9	2855	2.4	50.1	23472	13206	3585	10266	6681	43.7	65.1	28.5	2.6	51.7	
<b>DRILL[4]</b>																											
DM-10	18273	IR-ROTACOL-IDM-30	160mm	Feb- 04	448	238	160	210	50	46.8	24.0	11.2	608	12.1	49.2	2608	1388	815	1220	406	46.8	33.3	15.6	14.4	35.4		
DM-12A	10252	AC-ROTACOL-IDM-30	160mm	Sep-08	448	51	199	398	199	88.7	50.1	44.4	2647	13.3	36.9	2608	849	919	1760	841	67.5	47.8	32.2	14.9	38.5		
DM-14	10805	AC-ROTACOL-IDM-30	160 mm	12-Sep-09	448	448									-	-	2608	2608									
DM-15	7463	AC-ROTACOL-IDM-30	160 mm	8-Dec-14	448	448									-	-	2608	2211	279	398	119	15.2	29.9	4.6	3.7	32.9	
					TOTAL	1792	1185	358	607	249	33.9	41.0	13.9	3255	13.1	41.8	10432	7055	2012	3377	1365	32.4	40.4	13.1	13.7	37.5	
<b>DOZER[6]</b>																											
DOZ-21	18305	BEML D-355	410 HP	May- 03	672	104	421	569	148	84.6	26.0	22.0			34.3	3672	1191	1596	2481	885	67.6	35.7	24.1		30.4		
DOZ-22	18945	BEML D-355	410 HP	Feb-04	448	196	141	253	112	56.4	44.4	25.0			24.1	2848	2320	410	529	119	18.6	22.4	4.2		28.3		
DOZ-23	17288	BEML D-355	410 HP	May-08	672	672									-	-	3672	3672									
DOZ-24	14414	BEML D-355	410 HP	Sep-08	448	448									-	-	2848	1678	1015	1170	156	41.1	13.3	5.5		29.7	
DOZ-25	12439	BEML D-355	410 HP	25-Apr-14	672	85	317	588	271	87.4	46.1	40.3			31.7	3672	1200	1213	2473	1260	67.3	51.0	34.3		35.2		
DOZ-26	11953	BEML D-355	410 HP	08-Sept-17	448	365	44	84	40	18.6	47.3	8.8			40.5	2848	736	1164	2113	949	74.2	44.9	33.3		30.0		
					TOTAL	3360	1868	922	1492	571	44.4	38.2	17.0			31.5	19560	10796	5397	8765	3368	44.8	38.4	17.2		32.0	
<b>PAY LOADER[2]</b>																											
PL-7	12770	L&T KOMAT. WA-470-	260 HP	21-Jan-09	672	672									-	-	3912	3912									
PL-8	5007	Hyundai-hl770-7A	280 HP	01-Jun-10	672	672									-	-	3912	3912									
					TOTAL	1344	1344										7824	7824									
<b>Back Hoe [2]</b>																											
BACK HOE-02	10857	BEMLBE-300LC	1.2 CU.M	May-09	672	380	105	292	188	43.5	64.2	27.9			15.8	3912	1923	544	1989	1445	50.8	72.6	36.9		13.8		
BACK HOE-03	6545	BEMLBE-300LC	1.25 CU.M	25-Sep-13	672	672									-	-	3464	3040	424	424		12.2					
					TOTAL	1344	1052	105	292	188	21.7	64.2	14.0			15.8	7376	4963	968	2413	1445	32.7	59.9	19.6		13.8	
<b>Water Sprinkler [2]</b>																											
WT-5	16035	WS-28	28 KL	May-05	448	199	184	249	66	55.6	26.3	14.6					2608	621	1770	1987	218	76.2	10.9	8.3		13.2	
WT-6	6613	BEML,WS 28-2	28 KL	Jan-09	448	448									-	-	2608	2395	145	213	69	8.2	32.2	2.6		13.9	
					TOTAL	896	647	184	249	66	27.8	26.3	7.3					5216	3016	1914	2200	286	42.2	13.0	5.5		13.4
<b>Motor Grader [2]</b>																											
MG-6	4581	BG 605	280HP	May-08	448	199	184	249	66	55.6	26.3	14.6			8.5	2608	1390	900	1218	318	46.7	26.1	12.2		11.4		
MG-7	1871	BG 825		10-May-14	448	448									-	-	2608	2608									
					TOTAL	896	647	184	249	66	27.8	26.3	7.3														

**EQUIPMENT AVAILABILITY & UTILISATION**  
**Sep-20**

		KIRIBURU								MEGHAHATUBURU								BOLANI								GUA				UNIT IN %	
		NORM		MTH		2020-21		MTH		2020-21		MTH		2020-21		MTH		2020-21		MTH		2020-21		MTH		2020-21		AV		UT	
EQPMT TYPE		AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT		
DRILL	150 mm	70	70	36	51	31	45	52	68	53	66	60	39	64	34	35	40	43	23	34	41	32	40								
SHOVEL	HYD(D) ≤4.5 m <sup>3</sup>	70	75					30	62	60	21	93	8	58	17	65	56	71	47												
	HYD(D) >4.5 m <sup>3</sup>	85	80	73	63	72	59	69	53	60	54					50		12	11	53	42	47	48								
DUMPER	85/ 60 tn	65	75													84	75	81	60												
	50 tn	70	80							19	21	47	7	45	15	45	24	62	19												
	100 tn	85	80	57	52	59	42	59	48	70	34	45	58	53	47	45	21	61	11	40	72	44	65								
DOZER		70	70	29	59	28	53	40	36	45	28	76	24	74	26	53	29	46	29	44	38	45	38								
CRUSHING PLANT		85	85					92	77	97	48	88	56	90	53																
SCREENING PLANT		85	85					87	78	95	48	89	68	89	66																
OHP		85	85	65	70	89	63	81	77	92	48					98	55	97	39	91	89	93	62								

## 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>644196</b>	<b>183465</b>	<b>827661</b>	<b>153234</b>	<b>15283217</b>	<b>29190</b>	<b>1518030</b>	<b>38700</b>	<b>767250</b>	<b>0</b>	<b>0.07</b>	<b>0.36</b>	<b>6.58</b>	<b>12.72</b>
Apr-20	124077	51600	175677	19607	2470800	4410	270810	0	117000	0	0.05	0.45	6.37	11.37
May-20	98120	20420	118540	12816	2273620	2730	140580	0	266760	0	0.03	0.29	5.58	6.70
Jun-20	96171	21137	117308	13075	2425480	6930	209430	0	195480	0	0.03	0.29	5.99	17.11
Jul-20	78067	42026	120093	26173	2446000	6510	261090	0	58590	0	0.08	0.38	7.65	20.36
Aug-20	93083	30483	123566	30909	2789887	2310	245790	19800	53820	0	0.10	0.41	8.73	7.58
Sep-20	154678	17799	172477	50654	2877430	6300	390330	18900	75600	0	0.10	0.37	5.93	13.39

### 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>882198</b>	<b>52070</b>	<b>934268</b>	<b>152623</b>	<b>6715290</b>	<b>51934</b>	<b>859353</b>	<b>90597</b>	<b>1628280</b>	<b>113009</b>	<b>0.06</b>	<b>0.37</b>	<b>2.60</b>	<b>20.46</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
Aug-20	148050	6950	155000	27639	1329660	11521	185020	20000	229500	0	0.06	0.37	3.06	27.46
Sep-20	151960	9040	161000	24322	1321466	7994	224070	30000	219240	0	0.05	0.36	2.79	17.73

## 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)								
<b>NORM</b>									<b>0.11</b>	<b>0.43</b>	<b>4.8</b>	<b>25</b>
2015-16	2259467	913430	21800400	106130	3598770	1735825	1382700	1085889	0.12	0.40	3.25	18.66
2016-17	2538285	618000	22677280	116550	4014310	1667532	1534785	920488	0.08	0.41	3.14	18.81
2017-18	2514011	935809	20339200	125936	3712455	1543746	1417555	1853008	0.11	0.42	3.05	21.06
2018-19	2490224	1024680	19637760	115744	3977468	1676535	1370685	1606906	0.12	0.40	2.80	18.76
2019-20	2448841	1005417	20580240	143470	4231140	1714956	1647120	724266	0.12	0.38	2.71	22.11
<b>2020-21</b>	<b>1209032</b>	<b>519494</b>	<b>10268400</b>	<b>63864</b>	<b>1935410</b>	<b>672716</b>	<b>627270</b>	<b>650225</b>	<b>0.13</b>	<b>0.42</b>	<b>3.17</b>	<b>22.07</b>
<b>Apr-20</b>	211152	93554	1593840	12712	308510	104878	132710	179662	0.13	0.41	2.92	24.81
<b>May-20</b>	177387	72510	1538640	9282	206550	87729	167850	116278	0.13	0.42	3.33	21.82
<b>Jun-20</b>	187288	82992	1616880	14196	297360	97439	51120	92060	0.15	0.47	3.63	35.86
<b>Jul-20</b>	201395	89051	1791120	9940	349190	132337	85780	50308	0.14	0.42	3.16	20.68
<b>Aug-20</b>	202359	91175.13	1853280	10384	366030	108671	69750	123976	0.14	0.41	3.40	21.02
<b>Sep-20</b>	229451	90212	1874640	7350	407770	141662	120060	87941	0.12	0.39	2.80	12.56

### Gua

Item	HSD			Expl	Power	Lubricant								
Unit	(in Liter)			(in kg)	(in KWH)	(in Liter)	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
<b>NORM</b>	<b>MINES</b>	<b>DGSET</b>	<b>TOTAL</b>								<b>0.09</b>	<b>0.55</b>	<b>4.6</b>	<b>25</b>
2015-16	2632296	18880	2651176	413320	18358728	92732	3565810	284938	1540315	198718	0.08	0.51	3.60	17.91
2016-17	2933129	2804	2935933	438030	18480528	106696	3774559	239976	1554059	0	0.08	0.54	3.32	19.80
2017-18	3087765	2220	3089985	388490	18466944	105288	4002700	0	1573793	0	0.07	0.55	3.31	18.88
2018-19	3090800	0	3090800	422803	18845542	110814	3307804.77	363065	1345070	762619	0.08	0.63	3.76	22.46
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>1035406</b>	<b>8600</b>	<b>1044006</b>	<b>111341</b>	<b>9029846</b>	<b>41508</b>	<b>1136553</b>	<b>0</b>	<b>509938</b>	<b>0</b>	<b>0.07</b>	<b>0.63</b>	<b>5.48</b>	<b>25.21</b>
<b>Apr-20</b>	223739	0	223739	24576	1523870	8092	276813	0	69309	0	0.07	0.65	4.40	23.38
<b>May-20</b>	130734	0	130734	23313	1473458	9576	0	0	251000	0	0.09	0.52	5.87	38.15
<b>Jun-20</b>	128668	3000	131668	4458	1419973	4508	152822	0	68153	0	0.02	0.60	6.43	20.40
<b>Jul-20</b>	196949	4000	200949	18660	1673210	8328	240127	0	20160	0	0.07	0.77	6.43	32.00
<b>Aug-20</b>	173709	1600	175309	26924	1565881	4788	219791	0	12910	0	0.12	0.75	6.73	20.58
<b>Sep-20</b>	181607	0	181607	13410	1373454	6216	247000	0	88406	0	0.04	0.54	4.09	18.53

### Consumption of Key Consumables in 2020-21

#### Brasua -Taldih

Item	HSD			Expl (in kg)	Power (in KWH)	Lubricant (in Liter)	BARSUA ROM	TALDIH ROM					
	(in Liter)		TOTAL				DEPTT	CONT	DEPTT	CONT	EXPL	HSD	POWER
NORM	MINES	DGSET	TOTAL						DEPTT	CONT	0.08	0.46	4.90
2015-16	1230145	6660	1236805	265250	15780840	47362	0	0	2384140	0	0.11	0.52	6.62
2016-17	934836	0	934836	188625	15520680	46730	0	173700	1804950	0	0.10	0.45	7.84
2017-18	386285	0	386285	95062	13554044	11893	0	1052111	85675	0	0.07	1.32	11.91
2018-19	1569967	86653	1656620	161280	11762332	31131	1951980	469148	385666	0	0.06	0.63	4.89
2019-20	1398696	237480	1636176	264736	14801934	45360	1797862	1262832.12	563335	0	0.07	0.69	6.27
<b>2020-21</b>	<b>745626</b>	<b>35000</b>	<b>780626</b>	<b>55100</b>	<b>7291222</b>	<b>32390</b>	<b>990375</b>	<b>493593</b>	<b>378260</b>	<b>0</b>	<b>0</b>	<b>127541</b>	<b>0.03</b>
Apr-20	113320	5000	118320	3650	1147597	4382	160817	80030	64255	0	0	40390	0.01
May-20	73755	5000	78755	8050	1248557	3990	20776	58571.25	145200	0	0	3325	0.04
Jun-20	137133	11950	149083	7625	843077	3990	161006	54410	60985	0	0	19845	0.03
Jul-20	137728	3160	140888	11225	1568917	6070	188992	116229	40980	0	0	46847	0.03
Aug-20	133886	9890	143776	9500	1261717	6300	208358	78949	29970	0	0	12164	0.03
Sep-20	149804	0	149804	15050	1221357	7658	250426	105404	36870	0	0	4970	0.04

	Kalta						Manoharpur						Taldih			D Area & Panposh					
	HSD (in Liter)	Expl (in kg)	Power (in KWH)	Lubricant (in Liter)	Excavation (T)	Explosive Kg/T Excav	HSD (in Liter)	Expl (in kg)	Power (in KWH)	Lubricant (in Liter)	Excavation (T)	Explosive Kg/T Excav	Expl (in kg)	Excavation (T)	Explosive Kg/T Excav	Expl (in kg)	Excavation (T)	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>18145</b>	<b>72175</b>	<b>414640</b>	<b>0</b>	<b>1310900</b>	<b>0.06</b>	<b>23001</b>	<b>14800</b>	<b>898360</b>	<b>374</b>	<b>124995</b>	<b>0.12</b>	<b>11825</b>	<b>621134.3</b>	<b>0.02</b>	<b>180706</b>	<b>1169192</b>	<b>0.15</b>			
Apr-20	3670	10425	92780	0	351000	0.03	2992	7600	138969	2	36098	0.21	1250	120420	0.01	34551	284540	0.12			
May-20	3285	10925	70400	0	241000	0.05	4392	5000	135284	14	45449	0.11	600	61896	0.01	20126	204007	0.10			
Jun-20	4750	19100	88200	0	168300	0.11	3784	850	151010	48	43448	0.02	0	74255	0.00	20126	189499	0.11			
Jul-20	0	0	0	0	197000	0.00	4192	0	160401	150	0	#DIV/0!	5225	163076	0.03	30863	182645	0.17			
Aug-20	4180	17975	89460	0	170000	0.11	4028	0	156054	104	0	#DIV/0!	3800	91113	0.04	33964	154806	0.22			
Sep-20	2260	13750	73800	0	183600	0.07	3613	1350	156642	56	0	#DIV/0!	950	110374	0.01	41076	153695	0.27			

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

Status as on Sept'2020

MINE	GRANTED ON	VALID UPTO	AREA ( in ha)	RENEWAL APPL.DATE	FOREST CLEARANCE (FC)		ENVIRONMENTAL CLEARANCE (EC)
					KBR-MBR		
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, GoJ 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 forward the compliance report to MoEFCC. Again PCCF raised question on 04.08.2020 which was replied on 04.09.2020	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. Amendment of CTE application submitted on 04.08.2020 but due to technical fault, resubmitted on 25.08.2020. CTE issued on 30.09.2020 for excavation of tailings from KIOM-MIOM over 1 MTPA each for selling in open market.	
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							
Amalgamated ML					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	

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. CTE amendment application submitted to OSPCB on 01.08.2020 but it was not accepted. Later for CTE validation application submitted online on 31.08.2020. CTE presentation made to OSPCB on 24.09.2020.
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, MoEF&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. Since, suitable Degraded Forest Land (DFL) for CA is not available in Keonjhar Forest Division, identification of suitable CA land is under consideration at Kalahandi Forest Division.	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

MINE	GRANTED	VALID	AREA ( in ha)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)		Status as on Sept'2020 ENVIRONMENT CLEARANCE (EC)	
					GU A			
Durgaiburu	22.02.49	21.02.79	1443.8	08.02.08 (2nd RML)	Stage-II FC for existing broken area of 274.691 ha has been granted by MoEF on 22.08.2014. Stage-I FC granted for 361.295 ha on 04.03.2014. 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, Gol 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 and subsequently forwarded to PCCF Nodal on 05.08.2020. The proposal forwarded to PCCF, HoFF on 25.09.2020.	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. The EC amendment proposal for selling of dump fine has been submitted to MoEFCC & presentation held in Feb,2020 whrein ADS raised on 26.03.2020 which was replied on 31.08.2020 to Ministry. EAC meeting held on 25.09.2020. Minutes of meeting yet to uploaded in Ministry's portal.		
Government of Jharkhand has extended the mining lease period of Duarguiburu Lease of Gua Ore Mines up to 21.02.2029 vide order dated 25.06.2019. The lease deed executed on 24.09.2019 and registration done on 30.09.2019.								
Jhilingburu - I	12.05.50	11.05.80	210.53	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land indentification is under progress.	ToR for conduing 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. MoE&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. DFO, Saranda vide letter dated 08.04.2020 raised the differential CA demand of Rs. 70,74,292/- and directed to pay online. The CA demand letter & schemes were uploaded in MoEFCC portal on 29.04.2020. The challan for payment of CA was generated on 29.05.2020 and payment was made on 02.06.2020. Vide letter dated 03.06.2020, DFO, Saranda has been informed regarding CA payment. DFO, Saranda vide letter dated 11.06.2020 submitted the compliance report RCCF, JSR. RCCF, JSR vide letter dated 29.06.2020 forwarded the report to PCCF (Nodal).	EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.		
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-II FC (final approval) has been accorded by Ministry on 04.10.2019. For hand over of forest land proposal for 14.15 ha is pending with Govt. of Jharkhand.	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							

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

							Status as on Sept'2020
MINE	GRANTED ON	VALID UPTO	AREA ( in ha)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)		ENVIRONMENT CLEARANCE (EC)
					CHIRIA		
Budhaburu (McLellan)	08.12.45	31.03.20	823.62	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no.- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18. After verification at different level, the information was forwarded to MoEFCC by Govt. of Jharkhand on 07.06.2019. Matter is pending for grant of Stage-II FC.	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.	
Ajitarburu	07.12.47	06.12.77	323.89	04.12.06 (2nd RML)		EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA.	
Sukri - Latur	22.03.49	21.03.79	609.55	11.03.08 (2nd RML)		EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 10.06.2013 for production capacity to 0.75 MTPA.	
Dhobil	08.03.48	07.03.38	513.04	06.03.97 (2nd RML)	Forestry clearance is deemed to be exist upto 2038.	EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 24.01.2012 and amended dated 01.05.12 for production capacity to 0.75 MTPA. The amendment of EC for continuation of ore transportation by road for 5 more years beyond June, 2017 was granted on 19.04.17. Consent to Operate for 0.75 MTPA has been renewed by JSPCB on 09.03.2018 for the period up to 31.03.2022. CTO for Manoharpur siding for dispatch of 2.5 lakhs T/month of iron ore was granted by JSPCB on 08.12.16 for period upto 30.06.2021.	
Tatiburu	01.09.49	31.08.79	38.85	24.08.08 (2nd RML)	Virgin & Non-working lease.No FC		No EC
Ankua	14.06.82	31.03.20	67.178	18.06.11 (2nd RML)	Virgin & Non-working lease.No FC		No EC
BARSUA-KALTA							
ML No.-130	06.01.60	05.01.30	2486.4	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 & corriendum dated 13.07.2020. CTE application request made on 14.07.2020 for which CTE presentation made to OSPCB on 27.08.2020. CTE amendment order issued on 25.09.2020. CTO application submitted SPCB, Odisha through online on 26.09.2020.	
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)	ENVIRON. CLEARANCE (EC)
	ON	UPTO	( in ha)	APPL.DATE		
<b>BHAWANATHPUR</b>						
GORGONA	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgona, Ghagra & Saraiya leases has been approved by SAIL-Board on 30.05.2017. Final Mine Closure Plan has been prepared by M/s MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18.SAIL official met IBM official, Ranchi on 31.01.19 & 01.02.19 for approval of FMCP wherein IBM directed to submit the Geological Report of three leases for further processing of FMCP's. Geological Reports of three leases were submitted to IBM on 25.02.19 for grant of FMCP. IBM, Ranchi approved the FMCP's for Gorgona on 08.05.19 and Ghagra & Saraiya leases on 09.05.19. A request letter was submitted to DC, Garhwa through DMO, Garhwa on 15.05.2019 for surrender of Bhawanathpur leases as per Rule 21 (1) of MCR, 2016. Also, another request letter was submitted to Secy (Mines & Geo) on 23.05.2019 for final surrender of Bhawanathpur leases. The completion of approved job related to closure plan is under process.	
GHAGHRA	23.10.72	31.03.20	675.68	18.10.11 (2nd RML)		
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)		
PURNAPANI	06.01.80	31.03.20	230.53	30.12.98	No forest land involved	Non-working lease. No EC
GHATITANGAR	29.04.80	28.04.00	153.51	16.04.99	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.

**RMD MANPOWER POSITION AS ON 01.10.2020**

	<b>Executives</b>	<b>Non-Executives</b>	<b>Total</b>
<b>A. Ore Mines</b>			
Kiriburu	88	509	597
Meghatuburu	66	485	551
Bolani	87	456	543
Barsua	59	266	325
Kalta	14	56	70
Gua	56	466	522
Chiria	15	53	68
<b>A. Total</b>	<b>385</b>	<b>2291</b>	<b>2676</b>
<b>B. Flux Mines</b>			
Purnapani	0	5	5
Kuteshwar	25	58	83
BNP & TDMR	10	46	56
<b>B. Total</b>	<b>35</b>	<b>109</b>	<b>144</b>
<b>C. Offices</b>			
Kolkata	68	31	99
Rourkela	11	16	27
Bokaro	1	2	3
Durgapur	0	4	4
Delhi	4	2	6
Bhubaneswar	2	2	4
Ranchi	1	2	3
Burnpur	0	1	1
MT	11	NA	11
<b>C. Total</b>	<b>98</b>	<b>60</b>	<b>158</b>
<b>Grand Total (A+B+C)</b>	<b>518</b>	<b>2460</b>	<b>2978</b>
Manpower as on 01.09.2020	521	2467	2988
Reduction(-)/Increase(+)	-3	-7	-10

September'20

ACCIDENT STATISTICS OF RMD MINES

	FATAL(in Nos)						SERIOUS(in Nos)						REPORTABLE(in Nos)						MANDAYS LOST(in Days)					
	Sept'20			2020-21			Sept'20			2020-21			Sept'20			2020-21			Sept'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																	1	1				12	12	
Tulsidamar																								
RMD Total				1		1											1	1				6000	12	6012

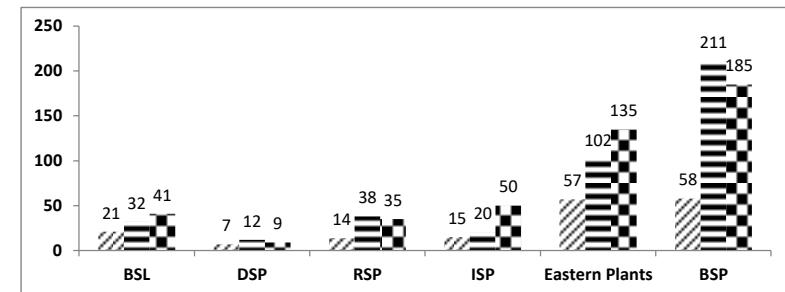
# IRON ORE STOCK INVENTORY BEHAVIOUR

Sep-20

## IRON ORE LUMP

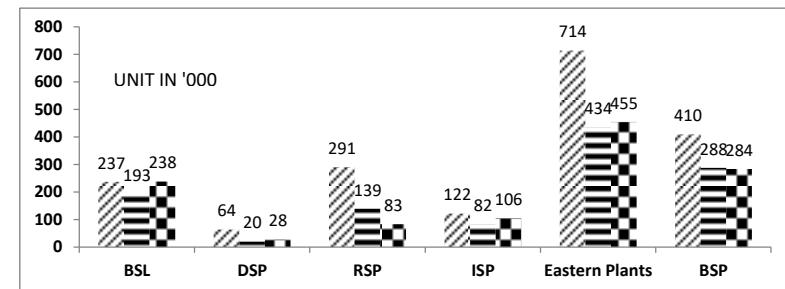
UNIT:'000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.08.2020	MTH	CUM	MTH	CUM	01.09.2020	MTH	YR
BSL	21	32	224	915	208	851	41	9	20
DSP	7	12	125	582	128	580	9	-3	2
RSP	14	38	171	895	170	733	35	-3	21
ISP	15	20	70	433	45	386	50	30	35
<b>Eastern Plants</b>	<b>57</b>	<b>102</b>	<b>589</b>	<b>2825</b>	<b>551</b>	<b>2550</b>	<b>135</b>	<b>33</b>	<b>78</b>
BSP	58	211		<u>15</u>	242	1174	185	-26	127
<b>TOT</b>	<b>115</b>	<b>313</b>	<b>589</b>	<b>2840</b>	<b>793</b>	<b>3724</b>	<b>320</b>	<b>7</b>	<b>205</b>



## IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.08.2020	MTH	CUM	MTH	CUM	01.09.2020	MTH	YR
BSL	237	193	344	1584	304	1612	238	45	1
DSP	64	20	198	914	190	950	28	8	-36
RSP	291	139	366	1588	444	1944	83	-56	-208
ISP	122	82	225	1248	219	1339	106	24	-16
<b>Eastern Plants</b>	<b>714</b>	<b>434</b>	<b>1134</b>	<b>5335</b>	<b>1157</b>	<b>5845</b>	<b>455</b>	<b>21</b>	<b>-259</b>
BSP	410	288	<u>14</u>	<u>156</u>	428	1912	284	-4	-126
<b>TOT</b>	<b>1124</b>	<b>722</b>	<b>1148</b>	<b>5491</b>	<b>1585</b>	<b>7757</b>	<b>739</b>	<b>17</b>	<b>385</b>



## IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2020	01.08.2020	MTH	CUM	MTH	CUM	01.09.2020	MTH	YR
BSL	258	225	568	2499	512	2463	279	54	21
DSP	71	32	323	1496	318	1530	37	5	-34
RSP	305	177	537	2483	614	2677	118	-59	-187
ISP	137	102	295	1681	264	1725	156	54	19
<b>Eastern Plants</b>	<b>771</b>	<b>536</b>	<b>1723</b>	<b>8159</b>	<b>1708</b>	<b>8395</b>	<b>590</b>	<b>54</b>	<b>-181</b>
BSP	468	499	<u>14</u>	<u>171</u>	670	3086	469	-30	1
<b>TOT</b>	<b>1239</b>	<b>1035</b>	<b>1737</b>	<b>8331</b>	<b>2378</b>	<b>11481</b>	<b>1059</b>	<b>24</b>	<b>180</b>

\* BSP RECEIPT FROM RMD MINES

# PRODUCTION PERFORMANCE

Sep-20

## हॉट मेटल

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Sep-19	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	270	346	128	308	12	1346	1555	116	2076	-25
दूर्गापूर	180	207	115	167	24	874	988	113	1178	-16
राउरकेला	228	324	142	265	22	1175	1496	127	1765	-15
बर्नपूर	232	107	46	166	-35	1171	957	82	1149	-17
पूर्वी इस्पात संयंत्र	910	984	108	906	9	4566	4997	109	6168	-19
भिलाई	400	395	99	352	12	1906	1815	95	2356	-23
<b>TOTAL</b>	<b>1310</b>	<b>1379</b>	<b>105</b>	<b>1258</b>	<b>10</b>	<b>6472</b>	<b>6811</b>	<b>105</b>	<b>8524</b>	<b>-20</b>

## सिन्तर

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Sep-19	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	342	426	125	508	-16	1944	2172	112	2913	-25
दूर्गापूर	255	302	118	216	40	1251	1444	115	1588	-9
राउरकेला	378	536	142	486	10	1939	2307	119	2932	-21
बर्नपूर	336	217	65	248	-13	1735	1544	89	1754	-12
पूर्वी इस्पात संयंत्र	1311	1481	113	1458	2	6869	7467	109	9188	-19
भिलाई	600	600	100	533	13	2855	2783	97	3537	-21
<b>TOTAL</b>	<b>1911</b>	<b>2082</b>	<b>109</b>	<b>1992</b>	<b>5</b>	<b>9724</b>	<b>10250</b>	<b>105</b>	<b>12725</b>	<b>-19</b>

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

**FIGS IN '000 T**

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	79	66	64	4						11	224
DSP			115				9				125
RSP				69	32	69					171
ISP			6				64				70
BSP											
TOT	79	66	185	73	32	69	73			11	589

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	235	35	66			8					344
DSP	10		166				22				198
RSP	15	101		103	53	94					366
ISP		82	12				132				225
BSP	7						7				14
TOT	267	218	244	103	53	102	161				1148

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	313	101	130	4		8				11	568
DSP	10		282				31				323
RSP	15	101		173	85	163					537
ISP		82	17				196				295
BSP	7						7				14
TOT	346	284	429	176	85	171	234			11	1737

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

**FIGS IN '000 T**

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	319	267	167	74					65	23	915
DSP			565			4	13				582
RSP	11	6		234	135	503			6		895
ISP			119	9			305				433
BSP				15							15
TOT	331	273	851	333	135	506	317		71	23	2840

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	925	332	180	15		129			4		1584
DSP	10		878				26				914
RSP	19	186		507	244	573			59		1588
ISP		233	208	64			744				1248
BSP	125					23	7				156
TOT	1079	751	1266	585	244	726	777		63		5491

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	1244	599	347	89		129			69	23	2499
DSP	10		1443			4	39				1496
RSP	31	193		741	379	1075			65		2483
ISP		233	327	73			1048				1681
BSP	125			15		23	7				171
TOT	1410	1024	2117	918	379	1232	1094		134	23	8331

**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-15%)**

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
KRBU(N/B) (FOS)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
KRBU(O/B) (SOBK)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
MBR (SSMK)	371	<b>804.92</b>	409	<b>902.85</b>	90	<b>245.73</b>	377	<b>853.58</b>	539	<b>1148.57</b>
BOLANI (BYFS)	272	<b>614.26</b>	318	<b>709.04</b>	223	<b>564.87</b>	286	<b>663.04</b>	673	<b>1440.91</b>
BARSUA (PBSB)	342	<b>756.98</b>	390	<b>853.58</b>	69	<b>245.73</b>	356	<b>804.92</b>	519	<b>1148.57</b>
ROXY (HLSR)	332	<b>756.98</b>	379	<b>853.58</b>	59	<b>245.73</b>	346	<b>756.98</b>	509	<b>1148.57</b>
GUA (ISCG)	265	<b>614.26</b>	311	<b>709.04</b>	216	<b>515.36</b>	279	<b>663.04</b>	665	<b>1440.91</b>
MANOHARPUR (IISM)	241	<b>564.63</b>	287	<b>663.04</b>	33	<b>245.73</b>	255	<b>614.26</b>	483	<b>1049.56</b>
DALLIRAJHARA (DRZ)	827	<b>1730.35</b>	871	<b>1825.86</b>	533	<b>1148.57</b>	832	<b>1730.35</b>	83	<b>245.73</b>

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
FLUX	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
145 CLASS -150 CLASS	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20	Km	Jan-20
BHAWANATHPUR (PSBS)	369	<b>707.35</b>	491	<b>922.29</b>	468	<b>575.37</b>	459	<b>878.34</b>	909	<b>1688.33</b>
KHANABANJARI (BLSG)	712	<b>1352.04</b>	834	<b>1520.60</b>	675	<b>1266.31</b>	802	<b>1520.60</b>	496	<b>922.29</b>