

# March-2019

## RMD Monthly Informatics

पीपीसी विभाग

रॉ मेटेरियल्स डिवीजन

भारतीय इस्पात प्राधिकरण

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## **Highlights of Performance 2018-19**

### **PRODUCTION:**

- 1 Highest ever production :: 21.458 MT (88% of APP 24.5MT) with growth of 10.6% over CPLY (Previous best in FY 2017-18 : 19.403 MT).
- 2 Highest ever Lump:: 7.381MT (Previous best in 2017-18 : 6.696 MT).
- 3 Highest ever Monthly Production:: in Mar-19: 20.54 Lakh T, Previous best-19.40 Lakh T in Oct'18
- 4 All time High Daily Production of RMD Iron Ore Mines ::80, 822 Te on 28<sup>th</sup> Feb-2019.
- 5 Highest ever Production by Bolani Mines:: 5.626MT (Previous best in 2016-17 : 5.585 MT).
- 6 Highest ever Production by Kalta Iron Mines:: 1.717MT (Previous best in 2017-18 : 1.444 MT).
- 7 Highest ever Lump Production by Gua Ore Mines:: 1.04MT (Previous best in 2016-17 : 1.03 MT).
- 8 Highest ever production in a day by Mines
  - a. Bolani Ore Mines :25,791 Te on 23<sup>rd</sup> March- 19 (Previous best 25,252Te on 27<sup>th</sup> Dec-18)
  - b. Barsua Iron Mines : 13,708 Te on 28<sup>th</sup> Feb-19
  - c. Kalta Iron Mines : 9,456Te on 21<sup>st</sup> Mar-19

### **DESPATCH:**

- 1 Highest ever despatch :: 20.910 MT (85% of APP 24.50MT) with growth of 9.8% over CPLY (Previous best in 2017-19.043 MT).
- 2 Highest ever Lump despatch:: 7.438MT (Previous best in 2017-18- 6.584 MT).
- 3 Highest ever Monthly Despatch in Dec-18: 18.87 Lakh T (Previous best-June'18 -18.17 Lakh T)
- 4 Highest rake in a day- 22 rakes on 28<sup>th</sup> Feb 2019.
- 5 Highest daily average of Rake loading: 17.68 (in Feb-19).
- 6 Highest daily average of despatch : 62,641 te (in Feb-19)
- 7 Highest ever rakes loaded in a month by RMD Iron Mines- 531 in Dec' 18
- 8 Highest ever rakes despatched from RMD Iron Mines of 5940 no, Pervious best - 5340 rakes in 2017-18.
- 9 Highest ever Despatch by Bolani Mines:: 5.536MT (Previous best in 2016-17 : 5.421 MT).
- 10 Highest ever Despatch by Kalta Iron Mines:: 1.662MT (Previous best in 2017-18 : 1.445 MT).
- 11 Highest ever rakes loaded in a month by Bolani Ore Mines- 151 in June' 18 (Previous Best-148 rakes in Jan-18)
- 12 Highest ever Despatch by Gua Ore Mines:: 1.078MT (Previous best in 2016-17 : 1.015 MT).
- 13 All time high monthly dispatched by Tulsidamar Dolomite Mines in August -18:: 26,891Te
- 14 Highest ever Rakes loaded in a month by Kuteshwar : 33( Despatch Qty-1.31Lakh Te) in March-19

## Rake Despatch Performance

Unit: Nos of Rake

MINES	FOR THE MONTH OF - Mar- 19					18-19 TILL THE MONTH OF Mar- 19				
	CBT	ACT	%FF	Mar- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
KIRIBURU	120	83	69	94	12	1359	1063	78	1113	4
MEGHATUBURU	120	83	69	89	7	1389	1014	73	997	2
BOLANI	155	144	93	147	2	1842	1569	85	1551	1
BARSUA	60	49	82			697	483	69		
TALDIH	5	4	80	18	78	188	86	46	131	34
KALTA	50	46	92	46		561	460	82	398	16
GUA	100	94	94	95	1	1140	1062	93	1024	4
CHIRIA	20	10	50	18	44	204	203	100	126	61
RMD TOTAL	630	513	81	507	1	7380	5940	80	5340	11

PLANTS	COMM	FOR THE MONTH OF - Mar- 19					18-19 TILL THE MONTH OF Mar- 19				
		CBT	ACT	%FF	Mar- 18	GRTH %	CBT	ACT	%FF	CPLY	GRTH %
BSL	LUMP		66.2		62.0	7		655		609	7
	FINES		107.8		103.0	5		1148		1038	11
	TOTAL	180	174	97	165	5	2286	1803	79	1647	9
DSP	LUMP		38.7		39.5	2		399		340	17
	FINES		49.3		75.5	35		757		749	1
	TOTAL	105	88	84	115	23	1287	1156	90	1089	6
RSP	LUMP		64		46	39		683		590	16
	FINES		77		82	6		1091		963	13
	TOTAL	170	141	83	128	10	1965	1774	90	1553	14
ISP	LUMP		29.2		31.8	8		334		277	21
	FINES		78.8		66.2	19		848		718	18
	TOTAL	145	108	74	98	10	1557	1182	76	995	19
BSP	LUMP										
	FINES		2		1	100		25		56	55
	TOTAL	30	2	7	1	100	285	25	9	56	55
SAIL TOTAL	LUMP		198		179	10		2070		1817	14
	FINES		315		328	4		3870		3524	10
	TOTAL	630	513	81	507	1	7380	5940	80	5340	11

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

March 2019

UNIT 000 TONNES

**PRODUCTION**

MINE & RATED CAP	COMM.	PLAN	FOR MONTH				GRTH % OVER LSTYR	TILL THE MONTH				CAP UTLN %	
		2018-19	TGT	ACT	%FF	LAST YR Mar 2018		TGT	ACT	%FF	LAST YR		
KIRIBURU 5500	L	1300	120	92	77	105	-12.2	1300	998	77	1249	-20.1	
	F	3000	280	241	86	242	-0.7	3000	2887	96	2887	0.0	
	T	4300	400	333	83	347	-4.1	4300	3885	90	4135	-6.1	71
MEGHAHA TUBURU 5000	L	1150	95	83	88	92	-9.9	1150	995	86	1143	-13.0	
	F	2750	265	256	96	234	9.1	2750	2669	97	2563	4.1	
	T	3900	360	339	94	327	3.7	3900	3663	94	3706	-1.2	73
BOLANI 6500	L	2250	210	247	117	186	32.4	2250	2259	100	2022	11.7	
	F	3950	370	356	96	314	13.3	3950	3367	85	3214	4.8	
	T	6200	580	602	104	500	20.4	6200	5626	91	5237	7.4	87
BARSUA 2500	L	680	70	87	124			680	598	88			
	F	1370	180	121	67			1370	1264	92			
	T	2050	250	208	83			2050	1862	91			74
TALDIH 1000	L	420	30	9	31	48	-81.0	420	182	43	419	-56.6	
	F	480	55	17	31	12	46.4	480	122	25	16	686.7	
	T	900	85	26	31	60	-56.2	900	304	34	435	-30.0	30
KALTA 2500	L	1000	80	104	130	77	36.2	1000	914	91	720	26.9	
	F	1200	130	102	78	85	20.3	1200	804	67	724	11.1	
	T	2200	210	206	98	161	27.8	2200	1717	78	1444	19.0	69
GUA 4000	L	1000	80	90	113	92	-2.5	1000	1038	104	905	14.7	
	F	3200	280	220	79	308	-28.4	3200	2633	82	3098	-15.0	
	T	4200	360	311	86	400	-22.4	4200	3671	87	4003	-8.3	92
MANOHARPUR 750	L	350	30	15	50	30	-49.2	350	399	114	237	67.9	
	F	400	40	14	35	26	-46.7	400	331	83	206	60.3	
	T	750	70	29	42	56	-48.0	750	729	97	444	64.4	53
TOTAL 27750	L	8150	715	728	102	630	15.4	8150	7381	91	6696	10.2	
	F	16350	1600	1326	83	1221	8.6	16350	14077	86	12707	10.8	
	T	24500	2315	2054	89	1852	10.9	24500	21458	88	19403	10.6	77

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

March 2019

UNIT 000 TONNES

**DESPATCHES**

MINE	COMM.	PLAN	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR	STOCKS AT MINES AS ON				
		2018-19	TGT	ACT	%FF	LAST YR Mar 2018		TGT	ACT	%FF	LAST YR		YEAR BEGN.	MTH BEGN.	MTH END		
KIRIBURU	L	1300	120	88	73	106	-17.0	1300	1005	77	1235	-18.6	28	11	15		
	F	3000	240	210	88	240	-12.5	3000	2836	95	2876	-1.4	1021	1062	1064		
	T	4300	360	298	83	346	-13.8	4300	3841	89	4110	-6.6	1049	1073	1079		
MEGHAHA TUBURU	L	1150	85	77	91	105	-26.7	1150	999	87	1168	-14.5	101	89	97		
	F	2750	190	231	122	220	4.8	2750	2733	99	2535	7.8	552	447	47		
	T	3900	275	308	112	326	-5.4	3900	3732	96	3703	0.8	653	536	144		
BOLANI	L	2250	185	267	144	179	48.7	2250	2264	101	1992	13.6	133	139	127		
	F	3950	315	254	81	351	-27.5	3950	3272	83	3429	-4.6	1522	1513	1617		
	T	6200	500	521	104	530	-1.7	6200	5536	89	5421	2.1	1655	1652	1744		
BARSUA	L	680	65	77	119			680	594	87			15	8	19		
	F	1370	180	98	55			1370	1065	78			194	261	284		
	T	2050	245	176	72			2050	1659	81			209	269	303		
TALDIH	L	420	30	7	23	47	-85.2	420	182	43	420	-56.5	9		17		
	F	480	55	8	14	11	-27.5	480	111	23	11	942.7	9		27		
	T	900	85	15	17	57	-74.5	900	293	33	430	-31.8	18		44		
KALTA	L	1000	80	99	124	82	20.7	1000	898	90	718	25.1	12	30	35		
	F	1200	130	70	54	82	-14.7	1200	764	64	726	5.2	13	21	53		
	T	2200	210	169	81	165	3.0	2200	1663	76	1445	15.1	25	51	88		
GUA	L	1000	80	88	109	96	-9.3	1000	1078	108	813	32.6	30	26	26		
	F	3200	280	213	76	219	-2.9	3200	2362	74	2683	-12.0	161	141	141		
	T	4200	360	300	83	316	-4.8	4200	3440	82	3496	-1.6	191	167	167		
MANOHARPUR	L	350	30	17	57	30	-42.3	350	414	118	238	73.5	5	10	3		
	F	400	40	20	50	36	-45.0	400	335	84	199	68.3					
	T	750	70	37	53	66	-43.8	750	749	100	438	71.1	5	10	3		
TOTAL	L	8150	675	720	107	645	11.5	8150	7435	91	6584	12.9	328	303	336		
	F	16350	1430	1105	77	1160	-4.7	16350	13478	82	12459	8.2	3477	3455	3236		
	T	24500	2105	1824	87	1805	1.1	24500	20913	85	19043	9.8	3805	3758	3572		

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

**March 2019**

**UNIT 000 TE**

**DEVELOPMENT**

	FOR MONTH			LAST YR Mar 2018	GRTH %	TILL MONTH			LAST YR	GRTH % LSTYR
	TGT	ACT	%FF			TGT	ACT	%FF		

<b>KIRIBURU</b>	232	170	73	269	-37	2495	1352	54	2432	-44
<b>MEGHAHATUBURU</b>	440	281	64	311	-10	4600	2945	64	3965	-26
<b>BOLANI</b>	298	209	70	272	-23	4139	2978	72	3271	-9
<b>BARSUA</b>	110	49	45	1	3465	1140	386	34	86	351
<b>TALDIH</b>	30			29	-100	300	65	22	206	-68
<b>KALTA</b>									20	-100
<b>GUA</b>	400	77	19	131	-41	3600	2108	59	1574	34
<b>MANOHARPUR</b>		3					4		5	-14
<b>TOTAL</b>	<b>1510</b>	<b>789</b>	<b>52</b>	<b>1013</b>	<b>-22</b>	<b>16274</b>	<b>9838</b>	<b>60</b>	<b>11558</b>	<b>-14.9</b>

**ROM**

<b>KIRIBURU</b>	400	333	83	347	-4	4400	3885	88	4196	-7
<b>MEGHAHATUBURU</b>	360	354	98	332	7	4180	3870	93	3967	-2
<b>BOLANI</b>	615	629	102	499	26	6400	5654	88	5256	8
<b>BARSUA</b>	270	222	82			2280	1952	86		
<b>TALDIH</b>	85	26	31	121	-78	900	469	52	1052	-55
<b>KALTA</b>	210	212	101	225	-6	2200	1718	78	1505	14
<b>GUA</b>	360	311	86	400	-22	4200	3671	87	4003	-8
<b>MANOHARPUR</b>	70	29	42	56	-48	750	729	97	444	64
<b>TOTAL</b>	<b>2370</b>	<b>2115</b>	<b>89</b>	<b>1980</b>	<b>7</b>	<b>25310</b>	<b>21948</b>	<b>87</b>	<b>20423</b>	<b>7</b>

**TOTAL EXCAVATION**

<b>KIRIBURU</b>	632	503	80	616	-18	6895	5237	76	6628	-21
<b>MEGHAHATUBURU</b>	800	634	79	643	-1	8780	6816	78	7932	-14
<b>BOLANI</b>	913	838	92	771	9	10539	8632	82	8527	1
<b>BARSUA</b>	380	271	71	1	19586	3420	2338	68	86	2629
<b>TALDIH</b>	115	26	23	150	-82	1200	534	45	1258	-58
<b>KALTA</b>	210	212	101	225	-6	2200	1718	78	1525	13
<b>GUA</b>	760	388	51	531	-27	7800	5779	74	5577	4
<b>MANOHARPUR</b>	70	32	46	56	-42	750	733	98	448	64
<b>TOTAL</b>	<b>3880</b>	<b>2904</b>	<b>75</b>	<b>2993</b>	<b>-3</b>	<b>41584</b>	<b>31786</b>	<b>76</b>	<b>31981</b>	<b>-1</b>







**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019

बोकारो इस्पात संयंत

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	65	3	5	750	307	41	453	-32	90	88	98	950	1073	113	989	8	155	91	59	1700	1379	81	1442	-4
MBR	70	28	40	800	386	48	608	-37	70	58	82	920	961	104	1115	-14	140	86	61	1720	1347	78	1722	-22
BOL	25	101	403	400	749	187	614	22	125	85	68	1500	646	43	919	-30	150	186	124	1900	1394	73	1533	-9
BAR	20	74	368	200	297	149				98		100	886	886			20	172	860	300	1183	394		
TAL		7			43		82	-47	55	8	14	380	111	29	11	943	55	15	27	380	154	41	93	66
KAL				100	308	308	206	49		22			149		187	-20		22		100	457	457	393	16
GUA		7		100	40	40	181	-78		13			114		565	-80		21		100	154	154	745	-79
MPR	30	17	57	350	266	76	144	85	40	20	50	350	231	66	132	75	70	37	53	700	497	71	276	80
RMD TOT	210	237	113	2700	2396	89	2288	5	380	392	103	4200	4170	99	3917	6	590	629	107	6900	6566	95	6205	6
DRZ																								
PUR																								
GR TOT	210	237	113	2700	2396	89	2288	5	380	392	103	4200	4170	99	3917	6	590	629	107	6900	6566	95	6205	6
FLUXES																								
KTR	30	40	133	465	370	80	331	12																
TDMR	5	2	49	100	66	66	74	-11																
TOT	35	42	121	565	436	77	406	8																

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019

**दूर्गापूर इस्पात संयन्त्र**

UNIT '000 TONNES

MINE	LUMP							FINES							TOTAL									
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB							8	-100															8	-100
MBR				7			34	-80		50			188			36	418		50		195		70	177
BOL	105	117	112	1200	1077	90	883	22	130	82	63	1600	1584	99	1374	15	235	199	85	2800	2660	95	2257	18
BAR																								
TAL																								
KAL																								
GUA	50	28	56	550	372	68	427	-13	80	52	65	920	815	89	1002	-19	130	80	61	1470	1188	81	1430	-17
MPR							4	-100															4	-100
RMD TOT	155	145	94	1750	1456	83	1356	7	210	184	87	2520	2586	103	2412	7	365	329	90	4270	4042	95	3768	7
DRZ																								
PUR																								
GR TOT	155	145	94	1750	1456	83	1356	7	210	184	87	2520	2586	103	2412	7	365	329	90	4270	4042	95	3768	7

**FLUXES**

KTR	7	8	111	50	44	87	12	263
TDMR							4	-100
TOT	7	8	111	50	44	87	16	172

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019

रात्रकेला इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL										
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH			
	APP	ACT	%FF	APP	ACT	%FF			APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF					
KRB	25	84	338	350	698	199	762	-8	110	115	104	1330	1679	126	1682	0	135	199	148	1680	2377	141	2443	-3			
MBR	15	49	328	350	604	172	527	15	25	116	464	700	1398	200	1234	13	40	165	413	1050	2001	191	1761	14			
BOL																											
BAR	45	4	8	480	297	62			120			670	179	27			165	4	2	1150	475	41					
TAL	30			420	139	33	309	-55				100					30			520	139	27	309	-55			
KAL	80	99	124	800	590	74	466	27	130	48	37	1200	615	51	511	21	210	147	70	2000	1205	60	976	23			
GUA							4																4				
MPR							98				18	445				50	60	119	41	46			50	157	315	59	167
RMD TOT	195	237	121	2400	2429	101	2081	17	385	279	72	4050	3930	97	3467	13	580	515	89	6450	6359	99	5548	15			
PUR																											
DRZ							6				7	-14											6		7	-14	
GR TOT	195	237	121	2400	2435	101	2088	17	385	279	72	4050	3930	97	3467	13	580	515	89	6450	6365	99	5555	15			

FLUXES

KTR	29	24	83	200	134	67	120	12
TDMR	5			50	22	43	46	-53
TOT	34	24	71	250	156	62	166	-6

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019

बर्नपूर इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP						FINES						TOTAL						FOR MONTH						TILL MONTH		LAST	GRTH
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH				
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%				
KRB	30			200			12	-100							3		17	-81	30			200	3	2	30	-89		
MBR				3					40	8	19	500	178	36	128	39	40	8	19	500	182	36	128	42				
BOL	55	49	89	650	439	68	495	-11	60	87	145	850	1043	123	1136	-8	115	136	118	1500	1481	99	1631	-9				
BAR																												
TAL							29	-100																29	-100			
KAL				100			46	-100								29	-100							100		75	-100	
GUA	30	52	173	350	662	189	205	223	145	148	102	1800	1433	80	1116	28	175	200	114	2150	2095	97	1321	59				
MPR					50		73	-32							45		26	69					95		100	-5		
RMD TOT	115	101	88	1300	1154	89	860	34	245	243	99	3150	2702	86	2453	10	360	343	95	4450	3856	87	3313	16				
DRZ																												
PUR																												
GR TOT	115	101	88	1300	1154	89	860	34	245	243	99	3150	2702	86	2453	10	360	343	95	4450	3856	87	3313	16				

FLUXES

KTR								
TDMR					5		12	-55
TOT					5		12	-55

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019

भिलाई इस्पात संयंत्र

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB									40	8	20	600	81	14	188	-57	40	8	20	600	81	14	188	-57
MBR													8		22	-64					8		22	-64
BOL																								
BAR									60			600					60			600				
TAL																								
KAL																								
GUA																								
MPR																								
RMD TOT									100	8	8	1200	89	7	209	-57	100	8	8	1200	89	7	209	-57
DRZ																								
PUR																								
GR TOT									100	8	8	1200	89	7	209	-57	100	8	8	1200	89	7	209	-57

**FLUXES**

KTR	60	59	99	650	467	72	553	-16
TDMR	2	3	138	60	123	205	55	123
TOT	62	62	100	710	589	83	608	-3

**IRON ORE & FLUXES DISTRIBUTION AND TRANSFERS**

March 2019  
BSL+DSP+RSP+ISP+BSP

UNIT '000 TONNES

MINE	LUMP								FINES								TOTAL							
	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH	FOR MONTH			TILL MONTH			LAST	GRTH
	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%	APP	ACT	%FF	APP	ACT	%FF	YR	%
KRB	120	88	73	1300	1005	77	1235	-19	240	210	88	2880	2836	98	2876	-1	360	298	83	4180	3841	92	4110	-7
MBR	85	77	91	1150	999	87	1168	-14	135	231	171	2120	2733	129	2535	8	220	308	140	3270	3732	114	3703	1
BOL	185	267	144	2250	2264	101	1992	14	315	254	81	3950	3272	83	3429	-5	500	521	104	6200	5536	89	5421	2
BAR	65	77	119	680	594	87			180	98	55	1370	1065	78			245	176	72	2050	1659	81		
TAL	30	7	23	420	182	43	420	-57	55	8	14	480	111	23	11	943	85	15	17	900	293	33	430	-32
KAL	80	99	124	1000	898	90	718	25	130	70	54	1200	764	64	726	5	210	169	81	2200	1663	76	1445	15
GUA	80	88	109	1000	1078	108	813	33	225	213	95	2720	2362	87	2683	-12	305	300	99	3720	3440	92	3496	-2
MPR	30	17	57	350	414	118	238	74	40	20	50	400	335	84	199	68	70	37	53	750	749	100	438	71
RMD TOT	675	720	107	8150	7435	91	6584	13	1320	1105	84	15120	13478	89	12459	8	1995	1824	91	23270	20913	90	19043	10
PUR																								
DRZ					6		7	-14													6		7	-14
GR TOT	675	720	107	8150	7441	91	6591	13	1320	1105	84	15120	13478	89	12459	8	1995	1824	91	23270	20919	90	19050	10

**FLUXES**

KTR	126	131	104	1365	1015	74	1017	0
TDMR	12	5	44	210	216	103	191	13
TOT	138	136	99	1575	1230	78	1207	2

**FLUX MINES OPERATIONS**  
**March 2019**

UNIT 000 TONNES

**PRODUCTION**

MINE		PLAN	FOR THE MONTH				GRTH % OVER LSTYR Mar 2018	TILL THE MONTH				GRTH % OVER LSTYR
		2018-19	TGT	ACT	%FF	LAST YR Mar 2018		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1365	125	130	104	109	19.2	1365	1008	74	1008	0.1
TULSIDAMAR	DOLO	210	15	4	29	14	-69.5	210	169	81	207	-18.4
RMD TOTAL		1575	140	135	96	124	8.9	1575	1178	75	1215	-3.1

**DESPATCHES**

MINE		PLAN	FOR THE MONTH				GRTH % OVER LSTYR	TILL THE MONTH				GRTH % OVER LSTYR
		2018-19	TGT	ACT	%FF	LAST YR		TGT	ACT	%FF	LAST YR	
KUTESHWAR	LST	1365	126	131	104	113	16.1	1365	1015	74	1017	-0.2
		210	12	5	44	26	-79.6	210	216	103	191	13.2
RMD TOTAL		1575	138	136	99	139	-1.6	1575	1230	78	1207	1.9

Unit in Te	PREVIOUS YEAR FLUX PERFORMANCE 2017-18					
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-17	84586	80594	10170	20107	94756	100701
May-17	105306	100972	15229	17144	120535	118116
Jun-17	90785	88818	22413	20559	113198	109377
Jul-17	69065	80624	14045	16005	83110	96629
Aug-17	69618	80934	17465	18733	87083	99667
Sep-17	81361	80650	19140	19008	100501	99658
Oct-17	54321	60378	13329	2709	67650	63087
Nov-17	62310	56744	21806	8379	84116	65123
Dec-17	97393	96864	25109	17734	122502	114598
Jan-18	109907	104185	18259	14878	128166	119063
Feb-18	73705	72888	15999	10962	89704	83850
Mar-18	109285	112934	14434	26168	123719	139102
Total	1007642	1016585	207398	192386	1215040	1208971

THIS YEAR FLUX PERFORMANCE 2018-19						
	KTR		Tulsidamar		RMD TOTAL	
	PROD	DESP	PROD	DESP	PROD	DESP
Apr-18	65066	71776	13836	22043	78902	93819
May-18	75105	87834	14281	12953	89386	100787
Jun-18	98203	86914	15876	21881	114079	108795
Jul-18	81536	79424	12834	20622	94370	100046
Aug-18	46162	47466	14831	26918	60993	74384
Sep-18	78218	79007	19986	12059	98204	91066
Oct-18	60349	66898	14957	14969	75306	81867
Nov-18	53239	58462	16047	11375	69286	69837
Dec-18	97046	91443	17334	24303	114380	115746
Jan-19	117022	111178	12374	27611	129396	138789
Feb-19	106272	102983	12380	15881	118652	118864
Mar-19	130271	131124	4400	5227	134671	136351
Total	1008489	1014509	169136	215842	1177625	1230350

Over Last Year

DIFF	847	-2076	-38262	23456	-37415	21379
%Chg	0.1	-0.2	-18.4	12.2	-3.1	1.8

**QUALITY ANALYSED AT PLANT**

**March 2019**

बोकारो इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाइन्स

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT	63.07	3.04	1.77	20.70	15.95	61.88	3.94	2.53	9.70	30.83		MTH ACT	28.11	18.56	5.29	4.43	8.93
CUM	2018-19	62.69	3.48	1.81	15.13	18.65	62.07	3.84	2.37	9.88	30.63	CUM	2018-19	28.68	18.79	5.17	5.05	9.06
CUM	2017-18	63.10	2.91	1.78	13.55	20.35	62.29	3.38	2.47	9.89	29.91	CUM	2017-18	29.75	18.89	5.47	5.92	9.88

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT	63.29	2.46	1.84	16.45	19.23	61.89	4.22	2.29	7.11	34.66		MTH ACT	43.28	1.81	3.27	8.27	19.03
CUM	2018-19	62.89	3.14	1.89	14.94	19.89	61.79	4.19	2.47	5.29	35.44	CUM	2018-19	43.69	2.42	3.53	6.85	22.69
CUM	2017-18	62.88	3.04	1.93	14.90	21.66	61.92	3.83	2.53	5.49	35.27	CUM	2017-18	45.56	2.57	3.33	4.00	26.14

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00
	MTH ACT	63.47	2.17	1.90	26.63	15.93	62.05	3.45	2.12	3.83	39.23
CUM	2018-19	63.14	2.75	1.87	20.18	18.68	62.37	3.44	2.22	3.03	41.02
CUM	2017-18	62.73	3.02	2.02	10.95	25.04	62.62	3.15	2.01	2.62	40.59

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00
	MTH ACT	63.18	2.47	2.04	19.52	15.84	62.02	3.81	2.33	6.55	34.06
CUM	2018-19	62.96	2.87	2.03	20.19	17.09	61.90	3.62	2.66	5.89	34.49
CUM	2017-18	62.98	2.78	1.98	16.54	21.21	62.19	3.30	2.60	5.68	34.46

BAR	NORM	62.50	2.70	2.60	5.00	10.00	62.00	2.80	3.20	5.00	30.00
	MTH ACT	62.78	2.18	2.94	17.96	17.20	61.39	3.60	3.53	6.87	34.18
CUM	2018-19	62.75	2.28	2.97	20.11	17.79	61.52	3.47	3.60	6.10	34.36
CUM	2017-18										

KAL	NORM	63.00	2.10	2.30	0.00	10.00	63.00	2.40	2.50	5.00	40.00
	MTH ACT						62.89	2.92	2.09	4.23	29.25
CUM	2018-19	63.76	2.13	2.06	6.64	12.96	63.31	2.45	2.27	4.49	29.85
CUM	2017-18	64.36	1.80	1.50	6.76	12.44	63.70	2.20	1.90	4.30	29.54

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00
	MTH ACT	64.01	1.83	1.75	12.60	9.30	63.05	2.94	1.78	4.28	28.12
CUM	2018-19	63.78	2.07	1.91	13.00	10.83	63.29	2.48	2.19	4.53	29.54
CUM	2017-18	64.61	1.57	1.42	10.76	12.45	63.59	2.12	2.17	4.41	30.08

TAL	NORM	63.00	2.40	2.40	0.00	10.00	62.00	3.00	3.00	10.00	40.00
	MTH ACT	63.36	2.03	2.12	11.50	12.30	63.36	2.03	2.12	11.50	12.30
CUM	2018-19	63.31	2.42	2.14	12.11	14.44	62.53	2.87	3.02	4.90	30.39
CUM	2017-18	63.54	2.25	1.92	7.48	13.66	62.64	2.64	3.03	4.60	29.80

**QUALITY ANALYSED AT PLANT**

**March 2019**

**दूर्गापूर इस्पात संयंत्र**

**लौह अयस्क लम्प**

**लौह अयस्क फाईन्स**

**FLUX**

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES	CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%	
KRB	NORM	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	30	18	5	5	10	
	MTH ACT																	
CUM	2018-19											CUM	2018-19					
CUM	2017-18	63.30	2.70	1.90	4.40	22.80						CUM	2017-18	30.40	16.20	4.40	71.80	10.40

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						61.35	5.54	2.39	4.30	48.80		MTH ACT	43.20	1.70	3.40	7.35	11.70
CUM	2018-19	61.14	2.53	1.95	17.13	4.09	61.58	5.04	2.20	4.04	47.09	CUM	2018-19	46.79	2.11	3.99	18.20	17.77
CUM	2017-18	62.78	2.70	1.23	12.60	19.89	62.92	3.45	2.03	3.94	47.59	CUM	2017-18	45.70	2.28	4.53	31.28	11.88

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00
	MTH ACT	62.75	4.32	1.70	10.13	15.18	63.34	2.68	2.32	5.17	46.57
CUM	2018-19	62.70	3.12	1.68	20.86	15.61	63.29	3.01	1.97	2.91	50.58
CUM	2017-18	62.72	2.94	1.59	10.62	16.98	63.95	2.47	1.58	2.43	51.83

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00
	MTH ACT	61.95	2.51	2.34	23.92	14.50	62.20	3.33	2.53	5.90	44.40
CUM	2018-19	62.18	2.87	1.94	22.28	14.17	62.39	3.07	2.61	5.88	41.44
CUM	2017-18	62.70	2.27	1.95	15.32	15.19	62.89	2.69	2.26	5.71	41.45

**QUALITY ANALYSED AT PLANT**

**March 2019**

रात्रकेला इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फाईन्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT	62.47	3.46	2.65	14.10	21.90	61.97	3.46	2.68	8.00	38.30		MTH ACT					
CUM	2018-19	62.57	3.30	2.68	14.73	20.57	62.07	3.31	2.72	7.50	37.19	CUM	2018-19					
CUM	2017-18	62.53	3.04	2.66	14.17	21.64	62.19	3.08	2.51	8.00	34.25	CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50.00	2.25	3.50	5.00	5.00
	MTH ACT	62.46	3.38	2.72	20.00	19.40	61.99	3.49	2.69	8.70	38.70		MTH ACT	49.30	2.30	3.10		
CUM	2018-19	62.53	3.23	2.82	15.66	20.00	62.01	3.41	2.71	8.10	35.62	CUM	2018-19	49.78	2.61	3.04		
CUM	2017-18	62.45	2.95	2.53	15.25	18.89	62.13	3.08	2.56	8.23	28.85	CUM	2017-18	49.10	2.77	3.56		

BAR	NORM	62.50	2.70	2.60	5.00	10.00	62.00	2.80	3.20	5.00	30.00							
	MTH ACT	62.00	3.60	2.60	16.00	23.00												
CUM	2018-19	62.41	3.14	3.08	12.87	22.29	61.80	3.42	2.98	7.20	34.12							
CUM	2017-18																	

KAL	NORM	63.00	2.10	2.30	0.00	10.00	63.00	2.40	2.50	5.00	40.00							
	MTH ACT	63.38	2.55	2.25	14.60	16.40	62.70	2.81	2.18	7.00	37.00							
CUM	2018-19	63.47	2.51	2.16	13.93	16.70	62.96	2.52	2.09	6.27	34.35							
CUM	2017-18	63.36	2.08	2.07	9.81	16.57	63.00	2.26	2.14	7.35	28.90							

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00							
	MTH ACT																	
CUM	2018-19	63.40	2.56	2.27	16.64	15.80	62.93	2.57	2.38	7.89	35.05							
CUM	2017-18	63.44	2.07	2.14	16.32	17.40	62.54	2.53	2.58	5.66	30.75							

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

**QUALITY ANALYSED AT PLANT**

**March 2019**

बर्नपूर इस्पात संयंत्र

लौह अयस्क लम्प

लौह अयस्क फार्म्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30	18	5	5	10
	MTH ACT												MTH ACT					
CUM	2018-19						62.70	2.24	3.35	13.13	41.97	CUM	2018-19					
CUM	2017-18	63.51	3.36	2.02	23.17	1.00	62.59	2.62	3.35	9.30	42.42	CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50	2.25	3.5	5	5
	MTH ACT						62.32	5.39	1.90	7.83	41.51		MTH ACT					
CUM	2018-19	64.79	1.47	1.18	66.82	0.70	61.27	4.79	3.22	7.97	37.97	CUM	2018-19					
CUM	2017-18	61.13	1.87	4.21	19.60		62.01	3.55	3.53	7.77	38.51	CUM	2017-18					

GUA	NORM	62.50	3.00	2.20	5.00	10.00	62.50	2.90	2.80	5.00	45.00							
	MTH ACT	63.74	2.40	1.87	21.65	6.12	63.35	3.08	2.28	7.66	42.63							
CUM	2018-19	63.06	3.05	1.97	23.77	2.77	62.87	3.49	2.42	5.09	47.62							
CUM	2017-18	62.82	2.93	2.43	22.20	2.50	62.95	2.83	2.75	3.39	50.66							

BOL	NORM	62.70	2.70	2.40	5.00	10.00	62.50	2.90	2.80	5.00	35.00							
	MTH ACT	62.75	3.51	2.04	18.72	5.77	61.89	4.05	3.16	8.67	38.39							
CUM	2018-19	62.77	3.37	2.15	20.10	2.01	61.65	3.96	3.32	8.43	38.89							
CUM	2017-18	62.64	2.81	3.01	17.15	5.55	62.37	2.93	3.14	9.05	42.61							

MPR	NORM	63.00	2.00	2.20	0.00	10.00	63.00	2.40	2.60	5.00	40.00							
	MTH ACT																	
CUM	2018-19	63.37	2.49	2.12	23.76	3.30	61.03	4.45	3.97	5.28	47.99							
CUM	2017-18	62.41	2.41	3.68	23.83	4.96	61.01	3.09	4.95	3.76	43.00							

**QUALITY ANALYSED AT PLANT**

**March 2019**

भिलाई इस्पात संयन्त्र

लौह अयस्क लम्प

लौह अयस्क फार्मिन्स

FLUX

MINES		Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	OS%	US%	MINES		CaO%	MgO%	SiO <sub>2</sub> %	OS%	US%
KRB	NORM	62.70	2.80	2.50	0.00	10.00	62.50	3.20	2.60	5.00	30.00	TDM	NORM	30.0	18.0	5.0	5.0	10.0
	MTH ACT						62.18	3.71	2.08	5.00	48.20		MTH ACT	27.97	17.38	8.59	34.60	5.80
CUM	2018-19						62.75	4.08	2.06	9.07	41.20	CUM	2018-19	28.53	17.64	8.24	33.75	9.24
CUM	2017-18											CUM	2017-18					

MBR	NORM	62.50	3.00	2.50	5.00	10.00	62.00	3.90	2.60	5.00	35.00	KTR	NORM	50.0	2.25	3.50	5.0	5.0
	MTH ACT												MTH ACT	50.36	1.95	3.68	7.70	16.50
CUM	2018-19						62.32	4.69	1.61	1.10	39.60	CUM	2018-19	49.83	2.26	3.90	9.19	18.30
CUM	2017-18											CUM	2017-18	50.46	1.89	3.64	7.16	18.33

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

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

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

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

किरीबुरु

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	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.74	2.99	2.34	13.94	21.08	5.33	0.78	
APP 18-19	62.70	2.80	2.50	5.00	10.00	5.30	0.89	
Apr-18	62.81	3.09	2.44	16.20	17.03	5.53	0.79	84301
May-18	62.90	2.92	2.36	11.48	18.25	5.28	0.81	87515
Jun-18	62.73	2.96	2.57	13.00	17.55	5.53	0.87	72702
Jul-18	62.56	3.63	2.10	11.74	22.34	5.73	0.58	89879
Aug-18	62.48	3.76	2.12	12.68	21.33	5.88	0.56	67213
Sep-18	62.39	3.92	2.02	15.84	19.28	5.94	0.52	86320
Oct-18	62.40	3.10	3.02	13.72	20.32	6.13	0.97	80665
Nov-18	62.43	3.30	2.83	15.63	20.14	6.12	0.86	87475
Dec-18	62.71	3.31	2.34	17.78	20.42	5.65	0.71	97108
Jan-19	62.78	3.16	2.33	20.11	18.65	5.49	0.74	78706
Feb-19	62.56	3.60	2.35	14.90	22.70	5.95	0.65	87909
Mar-19	62.52	3.43	2.58	14.62	21.43	6.01	0.75	88627
CUMML	62.61	3.35	2.42	14.86	19.99	5.77	0.72	1008420

किरीबुरु

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.23	3.19	2.50	8.68	32.69	5.69	0.78	
APP 18-19	62.50	3.20	2.60	5.00	30.00	5.80	0.81	
Apr-18	62.27	3.12	2.71	10.17	29.79	5.82	0.87	224518
May-18	62.19	3.06	2.86	10.54	31.07	5.92	0.94	214882
Jun-18	62.25	3.17	2.69	7.45	32.15	5.86	0.85	250772
Jul-18	62.06	3.52	2.61	8.20	32.85	6.13	0.74	226427
Aug-18	62.02	3.96	2.23	9.38	30.25	6.20	0.56	229623
Sep-18	62.04	3.95	2.34	11.02	31.67	6.29	0.59	270810
Oct-18	62.00	3.42	2.78	8.60	34.89	6.21	0.81	260109
Nov-18	62.06	3.38	2.71	8.55	37.56	6.09	0.80	258083
Dec-18	62.08	3.83	2.29	8.19	34.72	6.12	0.60	229295
Jan-19	62.07	3.67	2.43	8.31	37.79	6.11	0.66	229295
Feb-19	62.11	3.54	2.57	9.15	34.05	6.11	0.72	234075
Mar-19	61.94	3.67	2.60	8.60	35.55	6.26	0.71	218815
CUMML	62.09	3.53	2.57	9.01	33.56	6.10	0.73	2846704

मेघाहातुबुरु

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.68	2.99	2.18	15.00	20.32	5.17	0.73	
APP 18-19	62.50	3.00	2.50	5.00	10.00	5.50	0.83	
Apr-18	62.72	3.03	2.43	14.42	17.36	5.45	0.80	121538
May-18	62.75	2.91	2.62	11.74	17.61	5.53	0.90	90960
Jun-18	62.56	3.26	2.53	13.84	20.31	5.79	0.77	53604
Jul-18	62.65	3.34	2.46	12.82	22.73	5.80	0.74	86004
Aug-18	62.55	3.23	2.49	12.20	23.05	5.72	0.77	106271
Sep-18	62.71	3.02	2.52	15.04	20.37	5.54	0.84	80515
Oct-18	62.61	2.96	2.92	17.42	18.86	5.87	0.99	55486
Nov-18	62.80	3.12	2.43	16.49	18.47	5.55	0.78	57382
Dec-18	62.71	3.37	2.40	17.17	21.00	5.77	0.71	90698
Jan-19	62.54	3.51	2.32	20.25	19.07	5.84	0.66	100086
Feb-19	62.80	3.35	2.02	17.85	19.13	5.37	0.60	86692
Mar-19	62.73	3.08	2.43	18.85	19.34	5.52	0.79	74241
CUMML	62.68	3.19	2.45	15.56	19.79	5.64	0.77	1003477

मेघाहातुबुरु

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.04	3.44	2.59	6.94	32.44	6.03	0.75	
APP 18-19	62.00	3.90	2.60	5.00	35.00	6.50	0.67	
Apr-18	62.03	3.32	2.82	5.53	35.29	6.14	0.85	203415
May-18	61.78	3.64	2.92	5.02	37.76	6.57	0.80	221291
Jun-18	61.81	3.79	2.73	5.65	35.66	6.52	0.72	259755
Jul-18	61.97	3.63	2.58	7.12	35.16	6.21	0.71	185424
Aug-18	61.85	4.28	2.25	6.74	33.38	6.53	0.53	196224
Sep-18	61.98	3.94	2.45	5.23	36.78	6.39	0.62	224045
Oct-18	61.72	3.93	2.66	4.17	39.71	6.59	0.68	246251
Nov-18	61.69	3.93	2.85	4.89	40.65	6.78	0.73	261435
Dec-18	61.96	3.82	2.55	6.18	36.06	6.37	0.67	236899
Jan-19	61.94	3.90	2.47	4.99	37.82	6.37	0.63	213272
Feb-19	61.89	4.02	2.50	5.43	40.33	6.52	0.62	247827
Mar-19	61.84	4.21	2.49	7.29	40.21	6.71	0.59	230233
CUMML	61.87	3.87	2.61	5.64	37.55	6.49	0.67	2726071

### बोलानी

### लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.77	2.56	2.23	16.16	14.54	4.79	0.87	
APP 18-19	62.70	2.70	2.40	5.00	10.00	5.10	0.89	
Apr-18	63.20	2.07	2.09	23.00	10.70	4.16	1.01	125758
May-18	62.68	2.26	2.12	17.05	13.49	4.38	0.94	140298
Jun-18	62.64	2.73	2.17	20.97	13.80	4.90	0.79	216129
Jul-18	62.51	3.20	1.87	15.78	17.77	5.08	0.58	173171
Aug-18	62.50	3.88	1.55	18.00	13.59	5.42	0.40	192079
Sep-18	62.18	3.60	1.99	23.74	12.96	5.60	0.55	179450
Oct-18	61.65	4.19	2.06	25.72	10.51	6.25	0.49	169282
Nov-18	62.99	2.55	1.95	22.25	12.20	4.50	0.77	170096
Dec-18	63.01	2.26	1.96	23.41	11.18	4.22	0.87	239216
Jan-19	62.50	2.74	2.26	25.99	11.63	5.00	0.83	171814
Feb-19	62.16	3.45	1.96	16.61	9.75	5.40	0.57	165199
Mar-19	62.59	2.69	2.16	21.18	13.36	4.85	0.81	254681
CUMML	62.55	2.97	2.01	21.21	12.64	4.98	0.68	2197173

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### लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.74	2.96	1.86	13.08	15.88	4.82	0.63	
APP 18-19	62.50	3.00	2.20	5.00	10.00	5.20	0.73	
Apr-18	63.19	2.28	1.74	25.25	4.92	4.02	0.76	107438
May-18	63.11	2.89	1.76	14.83	9.00	4.64	0.61	108220
Jun-18	63.50	2.08	1.99	14.25	5.83	4.06	0.96	101865
Jul-18	62.72	4.09	1.53	16.21	7.99	5.62	0.37	97342
Aug-18	62.57	4.01	1.53	24.44	8.56	5.54	0.38	85455
Sep-18	62.38	3.31	1.87	23.62	13.01	5.18	0.56	67829
Oct-18	63.02	3.18	1.77	39.65	5.80	4.95	0.56	82249
Nov-18	61.91	4.26	2.39	24.27	9.69	6.64	0.56	69008
Dec-18	62.92	2.50	2.33	20.13	8.13	4.83	0.93	95441
Jan-19	62.97	3.00	2.30	34.16	6.06	5.30	0.77	96215
Feb-19	63.15	2.80	1.51	20.14	7.21	4.31	0.54	84117
Mar-19	63.38	3.03	1.82	18.18	10.00	4.84	0.60	89705
CUMML	62.94	3.06	1.87	22.59	7.83	4.93	0.61	1084884

### बोलानी

### फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.53	2.94	2.65	6.84	39.97	5.59	0.90	
APP 18-19	62.50	2.90	2.80	5.00	35.00	5.70	0.97	
Apr-18	62.54	2.86	2.78	6.51	42.47	5.65	0.97	305439
May-18	62.15	3.31	2.79	5.23	41.13	6.09	0.84	326463
Jun-18	61.91	3.20	3.20	6.28	41.02	6.40	1.00	302797
Jul-18	61.88	3.67	2.90	5.98	37.91	6.57	0.79	276620
Aug-18	62.44	3.69	1.98	6.48	40.06	5.67	0.54	213558
Sep-18	62.29	3.76	2.23	7.98	35.88	5.99	0.59	226512
Oct-18	62.42	3.24	2.49	7.19	35.80	5.73	0.77	281369
Nov-18	62.03	3.58	2.98	6.37	39.88	6.56	0.83	297813
Dec-18	62.01	3.30	3.15	7.13	38.64	6.45	0.96	277108
Jan-19	61.71	2.43	3.20	6.97	41.13	5.63	1.32	263332
Feb-19	61.09	4.06	3.59	8.17	36.30	7.66	0.88	252002
Mar-19	62.03	3.75	2.68	7.11	38.67	6.44	0.72	244571
CUMML	62.04	3.38	2.85	6.72	39.20	6.24	0.84	3267584

### गुआ

### फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.26	2.76	2.16	2.88	49.07	4.92	0.78	
APP 18-19	62.50	2.90	2.80	5.00	45.00	5.70	0.97	
Apr-18	62.83	2.83	2.58	4.45	49.64	5.41	0.91	226000
May-18	62.49	3.42	2.44	3.05	49.27	5.86	0.71	193903
Jun-18	63.15	3.03	2.08	3.06	53.79	5.11	0.69	189726
Jul-18	63.27	3.59	1.99	4.21	47.87	5.58	0.55	213639
Aug-18	63.18	3.76	1.82	3.30	51.20	5.58	0.48	220940
Sep-18	63.77	2.89	1.78	2.83	51.54	4.67	0.62	198606
Oct-18	63.45	3.03	1.93	3.78	49.26	4.96	0.64	209390
Nov-18	62.18	4.36	2.38	5.23	47.44	6.74	0.55	183303
Dec-18	63.28	2.96	2.21	4.61	43.85	5.18	0.75	194955
Jan-19	62.60	3.40	2.85	4.12	48.24	6.25	0.84	201793
Feb-19	62.17	3.74	2.87	5.77	43.84	6.61	0.77	158238
Mar-19	63.27	3.01	2.28	6.83	43.36	5.29	0.76	211635
CUMML	62.99	3.32	2.25	4.25	48.36	5.58	0.68	2402128

## बरसुआ

## लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18								
APP 18-19	62.50	2.70	2.60	5.00	10.00	5.30	0.96	
Apr-18								
May-18	62.88	2.48	3.21	9.20	15.60	5.69	1.29	15027
Jun-18	63.30	2.32	2.56	12.97	18.90	4.89	1.10	52415
Jul-18	62.40	2.94	3.30	10.13	24.17	6.24	1.13	43071
Aug-18	62.09	3.85	3.01	11.90	24.30	6.86	0.78	39295
Sep-18	62.09	3.48	3.12	13.00	22.30	6.59	0.90	42544
Oct-18	62.33	2.80	3.54	15.68	21.80	6.33	1.26	63964
Nov-18	62.43	2.91	3.16	15.99	20.69	6.06	1.09	58251
Dec-18	62.81	2.54	2.64	17.91	20.04	5.18	1.04	75127
Jan-19	62.40	2.68	3.13	22.77	17.85	5.80	1.17	64309
Feb-19	62.78	2.28	2.99	21.99	18.64	5.28	1.31	68025
Mar-19	62.75	2.24	2.93	17.87	17.46	5.17	1.30	80384
CUMML	62.58	2.71	3.03	16.52	20.08	5.74	1.12	602412

## तल्डीह

## लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.39	2.16	2.14	9.49	15.17	4.30	0.99	
APP 18-19	63.00	2.40	2.40		10.00	4.80	1.00	
Apr-18	63.77	2.31	1.99	9.28	16.35	4.29	0.86	41090
May-18	63.36	2.55	2.32	9.20	15.60	4.87	0.91	25921
Jun-18	63.16	2.59	2.55	9.30	19.50	5.14	0.98	35878
Jul-18	63.29	2.49	2.42	10.58	18.84	4.91	0.97	37901
Aug-18	63.36	2.55	2.32	9.00	16.00	4.87	0.91	10639
Sep-18	62.51	3.59	1.98	11.50	14.40	5.57	0.55	3846
Oct-18	63.72	2.09	1.80	12.11	13.13	3.89	0.86	22143
Nov-18								
Dec-18								
Jan-19								
Feb-19								
Mar-19	63.36	2.03	2.12	11.50	12.30	4.15	1.04	3203
CUMML	63.42	2.45	2.24	9.96	16.86	4.68	0.91	180621

## बरसुआ

## फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18								
APP 18-19	62.00	2.80	3.20	5.00	30	6.00	1.14	
Apr-18								
May-18	61.71	3.36	3.68	4.10	30.10	7.04	1.09	13129
Jun-18	62.62	2.77	2.93	3.43	31.67	5.70	1.06	69197
Jul-18	61.82	3.31	3.50	5.81	36.49	6.81	1.05	115327
Aug-18	61.65	3.37	3.37	7.29	36.96	6.73	1.00	102123
Sep-18	61.59	3.36	3.43	10.68	35.08	6.79	1.02	83851
Oct-18	61.32	3.67	3.57	12.46	34.61	7.23	0.97	92509
Nov-18	61.39	3.52	3.59	6.68	33.16	7.11	1.02	143095
Dec-18	61.70	3.34	3.38	5.92	32.11	6.72	1.01	99184
Jan-19	61.22	3.73	3.73	6.13	34.26	7.46	1.00	120778
Feb-19	61.38	3.61	3.60	6.60	34.91	7.22	1.00	130907
Mar-19	61.39	3.60	3.53	6.87	34.18	7.13	0.98	102681
CUMML	61.56	3.46	3.49	7.09	34.36	6.95	1.01	1072781

## तल्डीह

## फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	62.64	2.64	3.03	4.60	29.80	5.67	1.15	
APP 18-19	62.00	3.00	3.00	10.00	40.00	6.00	1.00	
Apr-18	62.88	2.65	2.93	3.83	29.80	5.58	1.11	27800
May-18	63.01	2.65	2.69	4.63	30.61	5.34	1.02	24214
Jun-18	62.27	2.77	3.57	5.40	36.25	6.34	1.29	12938
Jul-18	62.33	2.95	3.33	4.68	30.72	6.28	1.13	14317
Aug-18								
Sep-18	61.57	3.67	3.13	5.40	30.12	6.80	0.85	18508
Oct-18								
Nov-18								
Dec-18								
Jan-19								
Feb-19								
Mar-19	63.36	2.03	2.12	11.50	12.30	4.15	1.04	3561
CUMML	62.53	2.87	3.02	4.90	30.39	5.89	1.05	101338

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लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.95	1.81	2.04	14.25	11.85	3.85	1.13	
APP 18-19	63.00	2.00	2.20		10.00	4.20	1.10	
Apr-18	63.85	2.37	1.91	17.35	10.12	4.27	0.80	14822
May-18	63.82	2.21	2.05	13.16	12.54	4.26	0.93	51785
Jun-18	63.70	2.20	2.21	12.40	14.14	4.41	1.01	26780
Jul-18	63.85	2.16	2.02	12.37	14.53	4.19	0.94	14930
Aug-18	63.64	2.51	2.08	12.07	14.72	4.59	0.83	26105
Sep-18	63.52	2.27	1.95	12.31	12.63	4.23	0.86	41643
Oct-18	63.61	2.23	1.94	19.75	10.64	4.17	0.87	32349
Nov-18	63.74	2.07	2.06	14.35	14.71	4.13	1.00	35653
Dec-18	63.32	2.44	2.04	17.37	7.41	4.47	0.84	44525
Jan-19	63.64	2.09	2.13	19.58	8.79	4.22	1.02	47749
Feb-19	63.54	2.29	1.95	14.41	8.03	4.23	0.85	45255
Mar-19	64.01	1.83	1.75	12.60	9.30	3.58	0.96	21187
CUMML	63.65	2.23	2.02	15.05	11.13	4.25	0.91	402783

कालटा

लम्प

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.59	2.02	1.98	9.38	14.97	4.00	0.98	
APP 18-19	63.00	2.10	2.30	5.00	10.00	4.40	1.10	
Apr-18	63.80	2.23	2.12	5.36	12.98	4.36	0.95	76378
May-18	63.73	2.27	2.13	6.78	13.80	4.40	0.94	75302
Jun-18	63.63	2.24	2.23	6.57	14.41	4.47	0.99	66194
Jul-18	63.36	2.46	2.32	9.01	13.89	4.77	0.94	51977
Aug-18	63.75	2.16	1.94	7.76	14.65	4.10	0.90	89996
Sep-18	63.74	2.11	2.15	11.85	16.17	4.26	1.02	57629
Oct-18	63.53	2.28	2.20	13.65	15.47	4.48	0.96	79592
Nov-18	63.54	2.25	2.29	14.26	15.63	4.54	1.02	77665
Dec-18	63.46	2.53	1.95	15.59	16.08	4.48	0.77	81430
Jan-19	63.60	2.53	1.95	15.99	16.90	4.48	0.77	85323
Feb-19	63.28	2.79	2.09	12.80	17.50	4.88	0.75	76885
Mar-19	63.38	2.55	2.25	14.60	16.40	4.80	0.88	101228
CUMML	63.56	2.38	2.13	11.41	15.40	4.50	0.90	919599

मनोहरपुर

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.08	2.32	2.59	4.55	31.83	4.91	1.12	
APP 18-19	63.00	2.40	2.60	5.00	40.00	5.00	1.08	
Apr-18								
May-18	63.48	2.18	2.55	4.35	29.58	4.73	1.17	18163
Jun-18	63.21	2.81	2.33	5.15	38.40	5.14	0.83	33712
Jul-18	63.20	2.42	2.39	5.31	30.66	4.81	0.99	30698
Aug-18	62.98	2.47	2.54	5.13	30.38	5.01	1.03	19028
Sep-18	62.97	2.89	2.17	5.87	32.36	5.07	0.75	26572
Oct-18	63.25	2.16	2.38	6.00	33.02	4.54	1.10	29959
Nov-18	63.15	2.40	2.60	4.78	30.41	5.00	1.08	39390
Dec-18	62.56	3.28	2.38	5.92	34.32	5.65	0.72	50436
Jan-19	62.90	2.85	2.47	4.84	34.05	5.32	0.87	37545
Feb-19	62.12	3.26	3.16	3.99	33.21	6.42	0.97	28104
Mar-19	63.05	2.94	1.78	4.28	28.12	4.72	0.61	18379
CUMML	62.95	2.74	2.45	5.15	32.70	5.19	0.89	331986

कालटा

फाईन्स

	Fe	SiO2	Al2O3	OS	US	Al+Si	Al/Si	PLANT RCT
Act 17-18	63.09	2.30	2.19	6.89	29.41	4.50	0.95	
APP 18-19	63.00	2.40	2.50	5.00	40.00	4.90	1.04	
Apr-18	63.16	2.03	1.69	5.00	33.50	3.72	0.83	93661
May-18	63.04	2.55	2.18	6.02	26.52	4.73	0.86	73217
Jun-18	63.11	2.49	2.57	4.37	30.44	5.05	1.03	60728
Jul-18	62.98	2.42	2.52	6.88	33.00	4.94	1.04	14815
Aug-18	62.73	3.00	1.90		4.90	0.63		42742
Sep-18	63.14	2.25	2.24	5.48	30.00	4.49	1.00	58302
Oct-18	63.18	2.24	2.28	4.83	30.63	4.52	1.02	73882
Nov-18	62.90	2.49	2.37	6.87	38.56	4.86	0.95	72362
Dec-18	63.19	2.50	2.00	4.37	29.49	4.49	0.80	77297
Jan-19	63.00	2.62	1.96		4.58	0.75		68887
Feb-19	62.86	2.91	2.12	6.76	37.25	5.04	0.73	82090
Mar-19	62.75	2.84	2.16	6.28	34.98	5.00	0.76	64254
CUMML	63.02	2.51	2.13	5.59	32.51	4.64	0.85	782237

## गुणवत्ता :: बोकारो

**BLEND**

**लम्प**

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	63.19	2.73	1.86	13.54	19.96	4.58	0.68	2226628
APP 18-19	62.67	2.71	2.44	2.78	10.00	5.15	0.90	2700000
Apr-18	63.09	2.75	2.20	11.93	16.11	4.95	0.80	178066
May-18	63.22	2.69	2.12	10.39	16.22	4.81	0.79	185906
Jun-18	63.02	2.73	2.36	12.99	18.16	5.08	0.86	183133
Jul-18	62.74	3.43	1.98	12.88	20.59	5.41	0.58	201770
Aug-18	63.21	2.84	1.73	14.73	18.05	4.57	0.61	229223
Sep-18	63.09	3.00	1.76	18.02	16.58	4.75	0.59	222396
Oct-18	63.35	2.61	1.83	15.72	14.49	4.43	0.70	177350
Nov-18	63.23	2.50	2.14	16.50	15.06	4.64	0.86	164898
Dec-18	63.15	2.45	2.18	19.56	15.55	4.62	0.89	217175
Jan-19	62.84	2.65	2.42	20.37	14.84	5.07	0.91	196292
Feb-19	63.08	2.60	2.22	19.00	15.98	4.81	0.85	178986
Mar-19	63.14	2.32	2.27	18.26	16.00	4.59	0.98	240520
CUMML	63.09	2.72	2.09	15.93	16.56	4.81	0.77	2375715

## गुणवत्ता:: दूर्गापूर

**BLEND**

**लम्प**

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.74	2.51	1.82	14.21	15.62	4.33	0.72	1358966
APP 18-19	62.64	2.79	2.34	5.00	10.00	5.13	0.84	1750000
Apr-18	63.14	2.10	1.85	25.66	13.33	3.95	0.88	110875
May-18	62.85	2.37	1.62	17.95	16.08	3.99	0.68	136826
Jun-18	62.56	2.37	1.97	18.69	16.94	4.34	0.83	140140
Jul-18	62.56	2.75	1.71	17.04	16.16	4.46	0.62	107770
Aug-18	61.63	4.85	1.57	20.09	16.71	6.42	0.32	90545
Sep-18	61.59	3.88	2.07	24.46	14.24	5.95	0.53	132290
Oct-18	61.43	3.74	2.24	28.47	10.55	5.99	0.60	122285
Nov-18	62.66	2.76	1.77	22.89	13.31	4.53	0.64	115050
Dec-18	62.86	1.97	1.73	24.01	13.94	3.70	0.88	138255
Jan-19	62.21	2.50	2.05	24.95	16.53	4.55	0.82	80825
Feb-19	61.94	3.61	1.55	17.78	11.84	5.16	0.43	97734
Mar-19	62.13	2.91	2.20	20.84	14.65	5.11	0.75	135435
CUMML	62.32	2.94	1.87	21.89	14.50	4.81	0.64	1408030

## गुणवत्ता :: बोकारो

**BLEND**

**फाइन्स**

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	62.33	3.35	2.41	6.13	33.98	5.76	0.72	3910390
APP 18-19	62.38	3.15	2.72	5.45	31.74	5.87	0.86	4200000
Apr-18	62.10	3.38	2.79	6.73	31.85	6.17	0.82	270674
May-18	61.94	3.57	2.91	6.05	34.23	6.48	0.82	332918
Jun-18	62.21	3.51	2.70	5.70	33.43	6.21	0.77	424539
Jul-18	62.12	3.66	2.66	6.24	34.27	6.32	0.73	332728
Aug-18	61.90	3.84	2.34	6.80	33.48	6.17	0.61	340269
Sep-18	62.00	3.82	2.47	7.10	33.22	6.29	0.65	448034
Oct-18	61.98	3.65	2.71	6.43	33.50	6.36	0.74	290106
Nov-18	61.86	3.56	2.99	6.63	34.33	6.56	0.84	340931
Dec-18	62.24	3.54	2.45	6.71	31.45	5.99	0.69	349449
Jan-19	61.75	3.76	2.93	6.46	33.39	6.69	0.78	324747
Feb-19	61.84	3.71	2.86	7.21	33.70	6.57	0.77	347981
Mar-19	61.90	3.73	2.65	7.20	32.89	6.38	0.71	384030
CUMML	61.99	3.65	2.70	6.61	33.32	6.35	0.74	4186406

## गुणवत्ता:: दूर्गापूर

**BLEND**

**फाइन्स**

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECPT
Act 17-18	63.34	2.62	1.97	4.27	46.20	4.59	0.75	2405030
APP 18-19	62.50	2.90	2.80	5.00	33.65	5.70	0.97	2520000
Apr-18	62.99	2.55	2.33	4.62	44.88	4.88	0.91	247845
May-18	62.56	3.06	2.44	3.34	45.68	5.49	0.80	242803
Jun-18	62.46	2.89	2.57	3.80	45.47	5.46	0.89	203905
Jul-18	62.48	3.47	2.45	3.42	44.30	5.92	0.71	221715
Aug-18	63.11	3.53	1.86	3.16	47.97	5.39	0.53	232830
Sep-18	63.36	3.23	1.72	5.80	46.18	4.94	0.53	197990
Oct-18	62.89	2.91	2.22	5.78	41.68	5.13	0.76	249710
Nov-18	62.32	3.54	2.61	4.74	44.68	6.14	0.74	230815
Dec-18	62.67	2.72	2.57	5.45	43.15	5.30	0.95	221975
Jan-19	62.21	3.03	2.81	7.32	43.23	5.83	0.93	165005
Feb-19	61.62	3.95	2.70	6.28	43.58	6.65	0.68	147724
Mar-19	62.27	3.81	2.43	5.21	46.35	6.24	0.64	176450
CUMML	62.62	3.19	2.37	4.79	44.77	5.56	0.74	2538767

## गुणवत्ता :: राउरकेला

**BLEND**

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 17-18	62.85	2.65	2.40	12.86	18.96	5.04	0.90	2119274
APP 18-19	62.78	2.51	2.44	1.73	10.00	4.95	0.97	2400000
Apr-18	63.13	2.76	2.42	13.59	15.87	5.18	0.88	175284
May-18	63.12	2.60	2.63	9.97	17.08	5.23	1.01	182615
Jun-18	63.09	2.67	2.56	11.44	18.20	5.22	0.96	171284
Jul-18	62.85	2.91	2.69	10.76	21.64	5.60	0.93	195513
Aug-18	62.59	3.37	2.63	10.60	21.24	6.00	0.78	201945
Sep-18	62.62	3.10	2.79	13.40	19.77	5.89	0.90	170202
Oct-18	62.63	2.67	3.25	16.12	19.87	5.92	1.22	213013
Nov-18	62.73	2.96	2.81	16.02	19.41	5.77	0.95	217041
Dec-18	62.84	3.19	2.35	17.29	19.98	5.55	0.74	250822
Jan-19	62.92	3.18	2.27	19.07	18.74	5.45	0.72	225365
Feb-19	62.82	3.24	2.33	14.77	20.80	5.57	0.72	212875
Mar-19	62.85	3.06	2.49	15.59	19.03	5.55	0.82	236384
CUMML	62.84	2.99	2.60	14.29	19.37	5.59	0.87	2452343

## गुणवत्ता :: बर्नपुर इस्पात संयंत्र

**BLEND**

लम्प

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 17-18	62.64	2.79	2.97	18.42	4.74	5.76	1.07	770640
APP 18-19	62.67	2.75	2.35	3.85	10.00	5.10	0.85	1300000
Apr-18	63.43	2.14	1.87	22.60	0.98	4.01	0.88	107100
May-18	62.96	2.67	2.36	15.93	0.66	5.03	0.89	89681
Jun-18	63.42	2.49	2.14	19.02	1.14	4.62	0.86	131010
Jul-18	62.58	4.38	1.66	15.91	4.29	6.04	0.38	89222
Aug-18	62.96	3.67	1.44	20.29	1.18	5.11	0.39	95340
Sep-18	62.76	3.45	1.99	20.38	1.05	5.44	0.57	34888
Oct-18	62.25	5.14	1.56	40.77	1.53	6.71	0.30	73082
Nov-18	62.24	4.11	2.60	25.50	4.79	6.71	0.63	58541
Dec-18	63.05	2.63	2.39	19.51	1.42	5.02	0.91	117293
Jan-19	63.03	2.88	2.41	33.97	3.49	5.30	0.84	141720
Feb-19	62.81	3.04	1.93	17.23	3.24	4.96	0.64	124487
Mar-19	63.26	2.94	1.95	20.23	5.95	4.89	0.66	100737
CUMML	62.97	3.14	2.04	22.50	2.50	5.19	0.65	1163101

## गुणवत्ता :: राउरकेला

**BLEND**

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 17-18	62.30	2.95	2.47			5.42	0.84	3512612
APP 18-19	62.47	3.00	2.68	5.12	33.33	5.68	0.89	4050000
Apr-18	62.57	2.67	2.41			5.08	0.90	300665
May-18	62.42	2.81	2.72			5.53	0.97	304916
Jun-18	62.33	2.93	2.74			5.67	0.94	304241
Jul-18	62.07	3.12	2.89			6.02	0.93	279406
Aug-18	61.97	3.63	2.51			6.14	0.69	230896
Sep-18	62.10	3.29	2.68			5.97	0.82	319089
Oct-18	61.98	3.34	2.80			6.13	0.84	494909
Nov-18	62.13	3.22	2.73			5.96	0.85	435220
Dec-18	62.20	3.41	2.42			5.83	0.71	320436
Jan-19	62.27	3.37	2.36			5.73	0.70	357843
Feb-19	62.20	3.40	2.49			5.88	0.73	347271
Mar-19	62.10	3.36	2.60			5.96	0.77	283164
CUMML	62.19	3.21	2.62			5.84	0.82	3978056

## गुणवत्ता :: बर्नपुर इस्पात संयंत्र

**BLEND**

फाईन्स

	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	OS	US	Al+Si	Al/Si	RECEPT
Act 17-18	62.59	3.13	3.39	6.41	45.97	6.52	1.08	2530484
APP 18-19	62.42	3.06	2.77	5.00	35.71	5.83	0.91	3150000
Apr-18	62.39	3.07	3.07	6.97	47.99	6.14	1.00	254580
May-18	62.06	3.73	2.81	5.42	46.35	6.54	0.75	197300
Jun-18	62.33	3.35	2.94	5.92	49.14	6.29	0.88	246940
Jul-18	62.52	3.84	2.54	7.01	41.65	6.38	0.66	218928
Aug-18	62.58	4.21	2.03	7.49	42.02	6.24	0.48	208980
Sep-18	63.37	3.34	2.02	5.27	47.26	5.36	0.60	112640
Oct-18	63.30	3.40	2.05	5.66	45.93	5.45	0.60	155026
Nov-18	61.65	4.48	3.01	6.95	42.99	7.49	0.67	245670
Dec-18	62.20	3.76	3.03	6.88	39.34	6.79	0.81	288871
Jan-19	62.02	2.82	3.21	4.84	46.41	6.03	1.13	288479
Feb-19	61.31	4.19	3.73	7.45	38.46	7.91	0.89	271909
Mar-19	62.79	3.52	2.58	8.03	41.08	6.10	0.73	245409
CUMML	62.28	3.76	2.84	6.57	43.68	6.60	0.76	2734732

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बोकारो इस्पात संयंत्र

कुटेश्वर

BF LIMESTONE

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18	29.8	18.89	5.47	5.92	9.88
APP 18-19	30.00	18.00	5.00	5.00	10.00
Apr-18	30.21	19.92	4.98	3.75	9.00
May-18	30.72	21.94	4.91	4.10	8.80
Jun-18	29.98	20.21	5.00	4.18	8.72
Jul-18	31.13	20.53	4.95	4.60	8.58
Aug-18	27.42	18.74	5.16	4.55	9.33
Sep-18	28.35	19.25	4.15	6.43	10.15
Oct-18	28.08	17.67	5.30	9.50	9.10
Nov-18	29.78	17.64	5.12	4.55	9.20
Dec-18	27.48	17.71	4.76	4.81	9.18
Jan-19	25.21	16.40	6.75	4.50	8.95
Feb-19	28.61	18.31	5.53	4.70	9.10
Mar-19	28.11	18.56	5.29	4.43	8.93
CUMML	28.68	18.79	5.17	5.05	9.06

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18	45.6	2.57	3.33	4	26.14
APP 18-19	50.00	2.25	3.50	5.00	5.00
Apr-18	42.91	2.30	3.68	2.76	22.73
May-18	44.76	1.87	3.58	6.33	25.83
Jun-18	44.49	2.25	3.66	4.48	25.17
Jul-18	45.60	2.29	3.74	4.66	25.57
Aug-18	45.57	2.23	3.38	4.49	24.05
Sep-18	42.78	2.58	3.54	9.06	24.11
Oct-18	43.51	2.76	3.91	6.99	27.05
Nov-18	40.65	3.73	3.63	7.71	22.66
Dec-18	42.87	2.72	3.43	8.63	18.01
Jan-19	43.10	2.31	3.29	9.30	17.57
Feb-19	43.49	1.89	3.18	9.60	18.67
Mar-19	43.28	1.81	3.27	8.27	19.03
CUMML	43.69	2.42	3.53	6.85	22.69

त्रुलसीदामर

BF DOLOMITE

गुणवत्ता :: बिलाई इस्पात संयंत्र

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18					
APP 18-19	30.00	18.00	5.00	5.00	10.00
Apr-18	28.09	17.42	9.29	34.78	11.20
May-18	28.90	17.95	7.33	34.68	10.43
Jun-18	28.61	17.77	7.86	34.05	7.85
Jul-18	29.12	17.13	8.52	34.70	9.55
Aug-18	28.20	17.66	8.66	35.16	9.58
Sep-18	27.14	17.80	9.67	31.00	7.80
Oct-18	28.61	18.33	7.22	38.60	9.75
Nov-18	28.45	18.52	6.81	28.60	9.10
Dec-18	29.17	17.48	7.52	34.24	8.65
Jan-19	28.94	17.79	7.60	29.25	8.13
Feb-19	27.73	17.61	8.97	31.61	10.44
Mar-19	27.97	17.38	8.59	34.60	5.80
CUMML	28.53	17.64	8.24	33.75	9.24

इस्पात संयंत्र  
कुटेश्वर

BF LST

	CaO	MgO	SiO <sub>2</sub>	OS	US
Act 17-18	50.40	1.89	3.64	7.16	18.33
APP 18-19	50.00	2.25	3.50	5.00	5.00
Apr-18	50.02	2.09	3.95	6.95	19.72
May-18	49.99	2.26	3.92	8.40	16.81
Jun-18	49.79	2.30	4.02	8.05	21.79
Jul-18	49.35	2.65	3.87	9.43	18.85
Aug-18	50.08	2.20	3.80	8.70	18.40
Sep-18	50.40	1.80	3.80	11.00	16.67
Oct-18	49.51	2.40	4.12	8.98	20.18
Nov-18	48.63	2.88	4.33	9.86	20.61
Dec-18	49.57	2.45	3.91	11.20	17.90
Jan-19	50.12	2.09	3.71	9.57	16.09
Feb-19	49.44	2.42	4.03	9.93	17.44
Mar-19	50.36	1.95	3.68	7.70	16.50
CUMML	49.83	2.26	3.90	9.19	18.30











EQUIPMENT AVAILABILITY & UTILISATION

Mar-19

UNIT IN %

EQPMT TYPE	KIRIBURU								MEGHAHATUBURU								BOLANI								BARSUA							
	NORM		MTH		2018-19				MTH		2018-19				MTH		2018-19				MTH		2018-19				MTH		2018-19			
	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT	AV	UT		
DRILL	150 mm	70	70	58	31	50	41	82	51	58	41	63	38	69	38	64	25	80	13	43	48	45	45									
SHOVEL	HYD(D) <4.6 m <sup>3</sup>	70	75					49	41	36	28	46	16	58	9	94	23	92	12													
	HYD(D) >4.6 m <sup>3</sup>	85	80	98	52	95	50	76	62	69	61	87	41	77	38	89	21	77	24	40	66	56	52									
	HYD(E)	70	70																													
DUMPER	85/ 60 tn	65	75																	83	75	97	71									
	50 tn	70	80																78	11	60	6	47	45	70	23	5	35	19	5		
	100 tn	85	80	53	55	67	43	59	59	57	53	61	39	62	36	14	17	57	25	49	81	56	66									
DOZER		70	70	53	35	50	36	50	38	50	39	65	28	69	31	79	12	79	14	49	67	43	71									
CRUSHING PLANT		85	85					88	69	94	61	92	57	81	54																	
SCREENING PLANT		85	85					92	61	90	65	91	75	91	64																	
OHP		85	85	89	72	92	70													98	60	96	56	96	84	95	86					

### Consumption of Key Consumables in 2018-19(Kiriburu)

Item	HSD			EXPL	POWER	LUBRICANT								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.12	0.45	4.2	25
2011-12	2232461	723255	2955716	733395	28638468	158510	3848850	0	1410525	633037.6	0.12	0.55	5.45	29.26
2012-13	2304757	777352	3082109	619868	29233456	115903	3958695	0	1481400	187362	0.11	0.56	5.37	21.12
2013-14	2028772	794925	2823697	502158	31070636	126608	3443634	24977	1334250	0	0.10	0.59	6.47	26.36
2014-15	2045312	860700	2906012	733330	31989330	110440	3893355	354285	1135350	638246	0.13	0.52	5.94	19.93
2015-16	2021760	758860	2780620	585470	31933017	107099	3648780	178245	2088990	201910	0.10	0.47	5.40	17.95
2016-17	2177112	702490	2879602	573840	31702875	101640	3891780	242370	2663910	0	0.08	0.44	4.66	15.36
2017-18	2109898	573577	2683475	515422	30594993	92150	3979790	215830	1568970	863256	0.08	0.46	5.31	15.84
<b>2018-19</b>	<b>1956167</b>	<b>446003</b>	<b>2402170</b>	<b>413826</b>	<b>31857068</b>	<b>83816</b>	<b>3650940</b>	<b>234000</b>	<b>1002060</b>	<b>349644</b>	<b>0.08</b>	<b>0.50</b>	<b>6.52</b>	<b>17.47</b>
April'18	166292	48694	214986	53245	2220560	4200	248830	29000	126720	10000	0.13	0.56	5.49	10.90
May'18	180275	54357	234632	29757	2237508	6510	339490	26000	99270	0	0.06	0.53	4.81	14.62
June'18	166497	30570	197067	42892	2381200	6510	317680	29000	76500	115644	0.08	0.46	5.63	15.13
July'18	162165	49995	212160	20620	2516320	4100	310230	0	33750	0	0.06	0.62	7.32	11.92
August'18	161011	40590	201601	36055	2878160	9030	314280	0	31860	0	0.10	0.58	8.32	26.09
Sept'18	146482	46410	192892	35060	2473480	6930	285570		87660	0	0.09	0.52	6.63	18.57
Oct'18	165463	38127	203590	23790	2685040	7140	323550	27000	67950	0	0.06	0.51	6.42	17.93
Nov'18	161774	23353	185127	37620	2780720	7770	360270		81450		0.09	0.42	6.30	17.59
Dec'18	162740	41582	204322	38100	3036760	7686	285960	42000	57240	58000	0.09	0.55	7.88	20.87
Jan'19	161053	36280	197333	30391	3152160	6510	279910	26000	144180	60000	0.06	0.44	7.00	14.61
Feb'19	153531	23433	176964	28853	2815520	6090	280440	27000	83520	48000	0.07	0.47	7.20	15.91
Mar'19	168884	12612	181496	37443	2679640	11340	304730	28000	111960	58000	0.07	0.42	6.03	25.88

**Consumption of Key Consumables in 2018-19(Meghahatuburu)**

Item	HSD			EXPL	POWER	LUBRICANT								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	Ltr/Te	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.13	0.45	4.15	25
2011-12	2362533	225172	2587705	553591	21142080	141234	4286700		1554480	325440	0.09	0.44	3.62	23.85
2012-13	2503447	298360	2801807	464676	20066760	123987	4225320		2166885	30114	0.07	0.44	3.14	19.37
2013-14	2324310	162200	2486510	392696	20328120	129431	4426065		1807800	780350	0.06	0.39	3.26	20.38
2014-15	2220183	193500	2413683	319470	18089880	126073	3673080	0	1305800	155000	0.06	0.44	3.63	23.61
2015-16	2225132	166400	2391532	519270	19481640	115697	3737160	0	1716350	896600	0.08	0.43	3.57	20.70
2016-17	2572886	44085	2616971	515440	17964960	126531	3711060	162000	2828750	234000	0.07	0.39	2.68	19.06
2017-18	2625542	51700	2677242	653081	18582360	119195	3784340	183000	2938950	1026000	0.08	0.38	2.69	16.97
<b>2018-19</b>	<b>2575594</b>	<b>100790</b>	<b>2676384</b>	<b>572008</b>	<b>18050111</b>	<b>117281</b>	<b>3697950</b>	<b>172500</b>	<b>2645300</b>	<b>300000</b>	<b>0.08</b>	<b>0.41</b>	<b>2.77</b>	<b>18.15</b>
April'18	220289	6030	226319	53177	1228440	9646	279290	20500	230200	50000	0.09	0.43	2.32	18.30
May'18	224655	10060	234715	61594	1199640	9660	288590	8500	303700	60000	0.09	0.39	2.00	15.85
June'18	211828	4230	216058	47428	1209960	11410	247170	15000	288600	45000	0.08	0.39	2.20	20.72
July'18	188924	6580	195504	50550	1901760	6482	310810	5000	144100	30000	0.10	0.42	4.14	13.98
August'18	206689	14530	221219	47315	2122920	10210	348830	10000	153100	95000	0.08	0.42	4.15	19.33
Sept'18	206771	10760	217531	23570	1559640	11410	288350	10000	153100	20000	0.05	0.48	3.45	25.41
Oct'18	241004	7530	248534	59835	1432920	9254	358180	20000	145100	0	0.11	0.49	2.74	18.21
Nov'18	201434	5740	207174	38884	1471200	11088	335330	1000	156600	0	0.08	0.42	2.98	22.53
Dec'18	202000	9830	211830	39766	1516031	5656	292210	20000	252000	0	0.07	0.39	2.69	10.30
Jan'19	213000	11610	224610	40252	1710000	9221	309150	22500	281500	0	0.07	0.38	2.79	15.46
Feb'19	202500	10080	212580	51701	1347240	12796	303660	22500	256800		0.09	0.38	2.31	22.69
Mar'19	256500	3810	260310	57936	1350360	10448	336380	17500	280500	0	0.09	0.42	2.13	16.87

### Consumption of Key Consumables in 2018-19(Bolani)

Item	HSD	Expl	Power	Lubricant										
Unit	Litre	kg	KWH	Litre/Kg	DEPTT ROM	F/G AREA CONTR SCR	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB	
NORM										<b>0.11</b>	<b>0.43</b>	<b>4.8</b>	<b>25</b>	
2010-11	2026625	479122	23080560	118412	3347818		573189	785490	196165	0.10	0.48	4.90	27.87	
2011-12	1998636	534534	21235920	100300	3060290		684985	796330	164403	0.11	0.50	4.68	25.18	
2012-13	1783555	514007	19644960	91014	2605030		470897	838270	506624	0.12	0.50	5.02	25.35	
2013-14	1872289	635069	20288400	103250	2888400		952901	1049150	667212	0.11	0.45	4.15	24.70	
2014-15	2149181	810530	21124800	109435	3516659	200000	677254	738201	1792737	0.12	0.44	4.28	22.23	
2015-16	2259467	913430	21800400	106130	3598770	0	1735825	1382700	1085889	0.12	0.40	3.25	18.66	
2016-17	2538285	618000	22677280	116550	4014310	0	1667532	1534785	920488	0.08	0.41	3.14	18.81	
2017-18	2514011	935809	20339200	125936	3712455	0	1543746	1417555	1853008	0.11	0.42	3.05	21.06	
<b>2018-19</b>	<b>2490224</b>	<b>1024680</b>	<b>19637760</b>	<b>115744</b>	<b>3977468</b>	<b>0</b>	<b>1676535</b>	<b>1370685</b>	<b>1606906</b>	<b>0.12</b>	<b>0.40</b>	<b>2.80</b>	<b>18.76</b>	
<b>April'18</b>	204486	59590	1433760	7602	147900	0	160209	251000	134324	0.09	0.43	2.56	16.09	
<b>May'18</b>	213263	86655	1668960	11900	312300	0	156063	115950	112869	0.12	0.43	2.86	24.02	
<b>June'18</b>	206532	74839	1671120	8330	341300	0	143708	71850	148274	0.11	0.42	3.00	17.13	
<b>July'18</b>	213547	74422	1727520	9618	340900	0	108668	67930	88380	0.12	0.47	3.34	21.00	
<b>August'18</b>	182689	72355	1720800	9898	326800	0	98018	111400	170400	0.10	0.36	3.21	19.59	
<b>Sept'18</b>	199970	76935	1701840	9002	354500	0	98650	94600	101651	0.12	0.40	3.11	18.03	
<b>Oct'18</b>	214219	82365	1670400	13776	394100	0	127829	86250	178038	0.10	0.38	2.75	24.74	
<b>Nov'18</b>	213370	93655	1548240	8406	376808	0	122559	100940	161101	0.12	0.39	2.58	15.32	
<b>Dec'18</b>	220023	102404	1530240	9562	353700	0	145020	87390	220743	0.13	0.41	2.61	17.96	
<b>Jan'19</b>	210357	95155	1600800	8204	238320	0	167409	201150	112503	0.13	0.41	2.64	16.10	
<b>Feb'19</b>	194150	97276	1640880	6510	347675		162756	83345	68614	0.15	0.40	2.76	13.32	
<b>Mar'19</b>	217618	109029	1723200	12936	443165		185646	98880	110009	0.13	0.35	2.37	21.00	

### Consumption of Key Consumables in 2018-19(Barsua-Taldih)

Item	HSD			Expl	Power	Lubricant											
	Litre						DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	TALDIH OB	EXPL	HSD	POWER	LUB		
NORM	MINES	DGSET	TOTAL				BARSUA	TALDIH	BARSUA								
2011-12	1753745			233475	16215900	78287	1979803		1340775	859275.2		0.06	0.50	4.88	22.14		
2012-13	1879641	30150	1909791	254675	14962260	99939	2281296		1350990	175261.7		0.07	0.52	4.12	27.19		
2013-14	1592619	74350	1666969	253695	18204460	101571	1905428		1257525	652709		0.07	0.51	5.76	31.15		
2014-15	1351019	18140	1369159	230450	17518920	62960	269920		2635065	350000		0.07	0.46	6.03	21.29		
2015-16	1230145	6660	1236805	265250	15780840	47362	0	0	2384140	0		0.11	0.52	6.62	19.87		
2016-17	934836	0	934836	188625	15520680	46730	0	173700	1804950	0	294165	0.10	0.45	7.84	22.26		
2017-18	386285	0	386285	95062	13554044	11893	0	1052111	85675	0	206145	0.07	1.32	11.91	40.75		
<b>2018-19</b>	<b>1496342</b>	<b>86653</b>	<b>1582995</b>	<b>161280</b>	<b>11762332</b>	<b>31131</b>	<b>1951980</b>	<b>469148</b>	<b>385666</b>	<b>0</b>	<b>65340</b>	<b>0.06</b>	<b>0.63</b>	<b>4.89</b>	<b>12.96</b>		
April'18	26265	0	26265	4950	1113077	341	0	98306	2365	0	23490	0.04	0.52	43.05	13.19		
May'18	82015	0	82015	6750	1071437	1976	88915	89676	20490	0	21960	0.03	0.53	8.16	15.04		
June'18	103602	0	103602	13276	716077	2271	181049	79030	16510	0	15660	0.05	0.44	3.36	10.65		
July'18	107195	0	107195	13517	863157	2013	141235	71255	15790	0	4230	0.06	0.60	5.35	12.48		
August'18	121860	1420	123280	15788	653477	3070	155765	60770	34685	0	0	0.06	0.60	3.43	16.12		
Sept'18	125773	2300	128073	8250	1217997	2384	177207	21547	26005			0.04	0.61	5.99	11.73		
Oct'18	135230	7359	142589	10756	763557	2408	211921	22324	35580	0	0	0.04	0.56	3.09	9.73		
Nov'18	150135	9830	159965	14725	561273	2458	201574		46300			0.06	0.65	2.26	9.92		
Dec'18	147598	7494	155092	22269	1177953	2240	188861		50070			0.09	0.65	4.93	9.38		
Jan'19	139411	18740	158151	16112	1418109	3360	187484		45456			0.07	0.68	6.09	14.42		
Feb'19	177516	39510	217026	12998	1062177	6930	196311		43395			0.05	0.91	4.43	28.91		
Mar'19	179742		179742	21889	1144041	1680	221658	26240	49020			0.07	0.65	3.85	6.12		

### Consumption of Key Consumables in 2018-19(Gua)

Item	HSD			Expl	Power	Lubricant								
Unit	Litre			kg	KWH	Litre/Kg	DEPTT ROM	CONT ROM	DEPTT OB	CONT OB	EXPL	HSD	POWER	LUB
NORM	MINES	DGSET	TOTAL								0.09	0.55	4.6	25
2010-11	1813564	2030	1815594	367795	17584344	100224	2378504		674441	1325210	0.08	0.54	5.76	29.61
2011-12	1026199	12194	1038393	121305	16608240	50419	543562		236868	225000	0.12	1.24	21.28	60.26
2012-13	530895	31972	562867		15732024	22133								
2013-14	2677615	20143	2697758	423955	17447568	104254	3764538		1344785		0.08	0.53	3.41	20.40
2014-15	2085242	22389	2107631	277410	16677691	70037	2479410		752085		0.09	0.65	5.16	21.67
2015-16	2632296	18880	2651176	413320	18358728	92732	3565810	284938	1540315	198718	0.08	0.51	3.60	17.91
2016-17	2933129	2804	2935933	438030	18480528	106696	3774559	239976	1554059		0.08	0.54	3.32	19.80
2017-18	3087765	2220	3089985	388490	18466944	105288	4002700		1573793		0.07	0.55	3.31	18.88
<b>2018-19</b>	<b>3090800</b>		<b>3090800</b>	<b>422803</b>	<b>18845542</b>	<b>110814</b>	<b>3307805</b>	<b>363065</b>	<b>1345070</b>	<b>762619</b>	<b>0.08</b>	<b>0.63</b>	<b>3.76</b>	<b>22.46</b>
<b>April'18</b>	276728		276728	31287	1431744	8862	338418	2582	127530	63773	0.06	0.57	3.06	18.37
<b>May'18</b>	270020		270020	50813	1615872	10430	334185	6915	158150	72018	0.09	0.53	3.24	20.37
<b>June'18</b>	258325		258325	32679	1600272	12744	257871	67439	81180	24963	0.09	0.71	3.94	35.19
<b>July'18</b>	260075		260075	32775	1517400	7182	294142	28508	104580	59553	0.07	0.62	3.55	17.07
<b>August'18</b>	243950		243950	20649	1588464	6762	276580	23480	110430	79560	0.04	0.59	3.87	16.38
<b>Sept'18</b>	247084		247084	29206	1576512	8848	252649	49441	112680	73128	0.07	0.62	3.80	22.35
<b>Oct'18</b>	258205		258205	37420	1630224	10248	259430	35091	118350	72229	0.08	0.64	3.95	25.33
<b>Nov'18</b>	252101		252101	29791	1648872	7658	183324	46536	166950	90543	0.07	0.66	4.16	19.91
<b>Dec'18</b>	288806		288806	39257	1788480	7364	254510	56080	94500	91215	0.09	0.75	4.42	19.09
<b>Jan'19</b>	231152		231152	36960	1401912	11326	264407	46993	92880	107070	0.08	0.58	3.47	28.62
<b>Feb'19</b>	251401		251401	37265	1542958	11424	281700		100710	28567	0.09	0.65	4.03	29.33
<b>Mar'19</b>	252953		252953	44702	1502832	7966	310590		77130		0.12	0.65	3.88	20.55

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

MINE	GRANTED ON	VALID UPTO	AREA (in ha.)	RENEWAL APPL.DATE	FOREST CLEARANCE (FC)		Status as on Mar' 2019 ENVIRONMENTAL CLEARANCE (EC)
<b>KBR-MBR</b>							
Lease-I	28.03.60	31.03.20	1936.06	17.02.09	Stage II FC [644.26 Ha] granted by MoEF&CC vide letter dated 26.11.2014. Stage-I FC of South & Central Block (247.5 Ha) was granted by MoEFCC on 18.10.2010. Compliance report has been submitted well within the time & State Govt. forward the proposal to MoEFCC on 13.07.2015. Further, compliance of the quires were forwarded by State Govt. to MoEFCC on 05.04.2016. After approval of MPSM on 08.06.2018, MoEFCC vide letter dated 26.06.2018 requested GoJ to provide some informations. The desired informations were submitted to DFO on 19.07.2018/31.07.2018. The report forwarded to CF on 14.08.2018 but CF asked some additional information on 23.08.2018. The modified reply submitted to DFO on 28.08.2018. The proposal forwarded to PCCF (Nodal) on 28.09.2018 through DFO & RCCF. PCCF (Nodal) forwarded the proposal to PCCF, Jharkhand on 05.10.2018 and forwarded the proposal to Addl. CS (F,E&CC) on 09.10.18. Final recommendation has been forwarded to MoEFCC, GoI on 08.11.2018. Further, query raised by MoEF&CC on 18.03.2019 & intimated to Govt. of Jharkhand for compliance. A internal committee for CA demarcation & revision of CA land as per DSS was formed & intimated to DFO, Saranda on 03.04.2019 for necessary support. Being pursued with DFO, Saranda for further direction on verification of CA land.	EC granted by MoEFCC for 10 MTPA capacity on 27.12.2006. EC granted by MoEFCC for 16 MTPA capacity on 23.09.2014. CTO for 16 MTPA capacity was granted by JSPCB & renewed upto 31.12.2019.	
Lease - II	06.02.73	31.03.20	879.439	10.01.02	Forestry clearance for the total broken area of 55.9 Ha was granted on 11.04.2005.	Ore Beneficiation Plant & loading facilities of Meghatatuburu Iron Ore Mine are located in the lease-II.	
Lease - III	01.10.73	31.03.20	82	26.09.02	Forestry clearance for the total broken area of 24.23 Ha was granted on 11.04.2005.	Tailing Pond of Kiriburu Iron Ore Mine is located in the lease-III.	
Horomotto	01.01.70	31.12.99	1051.98	-	SAIL has filed Revision application with mining tribunal against State Govt.'s order of lapsing of lease and rejection of lease renewal application.	No EC	
<b>BOLANI</b>							
5.1 sq. mile lease	11.04.60	09.04.30	1321.45	26.03.09	Stage-II FC granted by MoEF&CC on 11.12.2012, 09.07.2013 & 12.11.2014. Stage-I FC for additional 87.09 ha sabik FL was obtained on 12.09.2017. Final Compliance report submitted to DFO, Keonjhar in Dec.2017. Additional information submitted to DFO, Keonjhar on 10.05.2018. DFO forwarded the compliance report to RCCF on 20.06.2018. Further, RCCF forwarded to Addl. PCCF (NO) on 16.07.2018. APCCF (Nodal) vide letter dated 29.08.2018 directed DFO Keonjhar/Rourkela /Keonjhar (WL) Division to revise the CA schemes due to change in revision of wage rate. The revised scheme was forwarded to RCCF, Baripada on 11.10.18 for approval. Revision & authentication of SZ scheme has been approved by RCCF, Baripada on 30.10.18. Another proposal related to revised CA schemes for 169.72 ha & 5.18 ha were approved by APCCF (NO) on 23.10.18 and after the issuance of demand, online payment of Rs. 1492600 portal was done in MoEFCC on 29.10.18. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 & payment done. Stage-I FC compliance report & recommendation for grant of Stage-II FC has been forwarded to MoEFCC, New Delhi by APCCF (N) on 04.01.2019. A meeting was held with AIG (Forest), MoEF&CC, New Delhi on 19.02.2019 for early grant of Stage-II FC's of Sabik Forest land involved in Bolani Ores Mines. Further, query raised by MoEF&CC on 07.03.2019 & intimated to Govt. of Odisha for compliance. In compliance to this, reply has been submitted to DFO, Keonjhar on 20.03.2019. Being pursued with DFO, Keonjhar to forward the compliance to Addl. PCCF (N) through RCCF, Rourkela for onwards submission to MoEF&CC to grant Stage – II FC.	EC granted for production of Iron Ore 12 MTPA ROM and Installation of 12 MTPA New Beneficiation Plant & 4 MTPA Pellet Plant on 21.12.2012. Consent to Operate for 12 MTPA capacity has been renewed on 28.03.2019 & Valid upto 31.03.2020.	
6.9 sq. mile lease	14.11.62	13.11.82	1586.36	26.03.02 (2nd RML)	MoEFC&CC vide letter dated 24.07.17 issued amended Stage-I FC order. For this proposal FRA certificate issued, double degraded FL identified for CA, PCA land identified & respective schemes are appoved on 27.10.2018 and in line with the demand letter 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. Being pursued with RCCF, Rourkela to forward the compliance of Stage – I FC conditions to Addl. PCCF (N) for onwards submission to MoEF&CC for grant of Stage – II FC. In addition to that, Stage-I FC for 124.313 ha Sabik FL was obtained on 12.09.2017. Compliance report submitted to DFO on 22.12.2017 and forwarded to Addl. PCCF (NO) on 02.06.2018. Due to revision in wage rate, CA scheme was revised and the revised compliance report was submitted. Subsequently, after necessary modification as per new wage rate, forwarded to APCCF (N) on 22.11.2018 & payment done. Stage-I FC compliance report & recommendation for grant of Stage-II FC has been forwarded to MoEFCC, New Delhi by APCCF (N) on 04.01.2019. A meeting was held with AIG (Forest), MoEF&CC, New Delhi on 19.02.2019 for early grant of Stage-II FC's of Sabik Forest land involved in Bolani Ores Mines. Stage-II FC awaited from MoEF&CC, New Delhi.	Granted EC on 21.12.12 for production of 15000 TPA Manganese Ore. CTO for handling of 10 MTPA Iron ore lumps & fines and 15000 TPA Mn ore granted by OSPCB & further renewed on 25.03.2019 with validity upto 31.03.2020.	
<b>BARSUA-KALTA</b>							
ML No.-130	06.01.60	05.01.30	2486.383	NA	Stage-II FC granted by MoEF&CC on 06.03.2013. DFO, Bonai vide letter dated 27.02.18 allowed to take up mining operation over 28.90 ha of forest land under Taldih Block-C. Proposal for felling of tree over an area of 58.75 ha in area-5 of Barsua Part has been approved by DFO, Bonai and a meeting was held on 29.10.2018 for settlement/ strategy of tree felling. Offer issued by M/s OFDC on 2.11.2018 for said proposal.	EC granted by MoEFCC vide letter dated 29th Oct'10. Amended EC for ML 130 lease was granted on 30.03.2016 for redistribution of production from Barsua to 3.5 Mt/yr and Kalta to 2.5 Mt/yr and Taldih to 2.05 Mt/yr. CTO of Barsua Railway siding has been granted on 30.03.2019 with validity upto 31.03.2020.	
ML No.-162	29.04.60	28.04.30	77.94	21.04.99	Stage-II FC granted on 23.10.17 for diversion of 77.94 ha of forest land.	Ore Beneficiation Plant, Jigging Plant, Conveyors, part of the Tailing Pond located under this lease.	
ML No.-139	17.01.75	16.01.25	25.981	04.01.14	Online Diversion Proposal including safety zone submitted on 22.07.15. On scrutiny of online diversion proposal, DFO noticed some deficiencies and raised query on 26.05.16. Compliance of the query is under process. The matter of identification of CA land was discussed with forest nodal office on 25.10.2018 meeting. CA land over an area of 33.022 ha has been identified & map has been submitted to DFO, Rourkela for preparation of scheme.	MoEFCC vide letter dated 11.09.2018 accorded TOR and directed to submit EIA/EMP report based on the prescribed TOR.	
ML No.-227	18.01.84	17.01.04	3.34	04.01.03	Preparation of Diversion Proposal is under progress	Non-working lease. Obtaining EC is under progress.	

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

Status as on MARCH' 2019

MINE	GRANTED	VALID	AREA ( in ha.)	RENEWAL APPL.DATE	FORESTRY CLEARANCE (FC)		ENVIRON. CLEARANCE (EC)		
<b>BHAWANATHPUR</b>									
GORGAON	23.10.72	31.03.20	228.46	18.10.11 (2nd RML)	Surrender of Bhawanathpur leases i.e Gorgaon, Ghagra & Saraiya leases has been approved by SAIL-Board on 30.05.2017. Final Mine Closure Plan has been prepared by M/s MECON and submitted to IBM, Ranchi on 29.03.2018 for approval. IBM vide letter dated 19.07.2018 pointed out some observations. The observation of IBM was duly incorporated and FMCP's were submitted to IBM on 19.09.18.. IBM vide letters dated 05.10.18 directed to submit the supplementary lease deed for Gorgaon, Ghagra & Saraiya leases for the period upto 31.03.2020. Vide letters dated 15.10.18, the reply to the IBM query was submitted on 18.10.18.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.				
GHAGHRA	23.10.72	31.03.20	675.678	18.10.11 (2nd RML)					
SARAIYA	31.03.66	31.03.20	275	01.03.07 (3rd RML)	Geological Reports of three leases were submitted to IBM on 25.02.19 for grant of FMCP.				
PURNAPANI	06.01.80	31.03.20	230.525	30.12.98	No forest land involved	Non-working lease. No EC			
GHATITANGAR	29.04.80	28.04.00	153.51	16.04.99	Matter of lease is under litigation.	Non-working lease. No EC			
KUTESHWAR									
LEFT BANK LEASE	15.05.82	14.05.22	91.14	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/450/2012-IA.II(M) dated 17.08.2015.CTE application for 0.06 MTPA production submitted on 06.01.2016. CTE for 0.06 MTPA production granted on 10.04.2016. Renewal of CTO was extended by Madhya Pradesh Pollution Control Board upto 31.07.2019.			
RIGHT BANK LEASE	10.06.71	09.06.21	944.89	NA	No forest land.	EC granted by MoEFCC vide letter no. J-11015/449/2012-IA.II(M) dated 02.09.2015.CTE granted on 31.12.2015 for 2.32 MTPA expansion. CTO for 2.32 MTPA expansion granted by MPPCB on 23.02.2016 with validity upto 31.01.17. CTO renewed by MPPCB for the period upto 31.01.2020.			
TULSIDAMAR	30.10.69	31.03.20	118.72	20.10.08 (2nd RML)	Stage-II FC for 101.32 ha under the lease was granted on 18.12.1997.	EC was granted on 24.03.1995 as per EIA notification 1994. CTO for 25000 TPM (Dolomite) capacity has been renewed by JSPCB on 28.03.17 for the period upto 31.03.2020. CTO for Rly Siding for 25,000 TPA Dolomite and 60,000 TPA Limestone renewed by JSPCB upto 30.06.2020. In compliance to MoEFCC Office memorandum dated 06.04.2018, ToR application under EIA Notification, 2006 has been submitted in Ministry's portal on 31.08.2018.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.			

STATUS OF LEASE, ENVIRONMENT & FOREST OF RMD MINES, SAIL								Status as on Mar' 2019
MINE	GRANTED	VALID	AREA	RENEWAL	FORESTRY CLEARANCE (FC)		ENVIRONMENT CLEARANCE (EC)	
					ON	UPTO (in ha)	APPL.DATE	
<b>GUA</b>								
Durgaiburu	22.02.49	21.02.79	1443.76	08.02.08 (2nd RML)	Stage-II FC for existing broken area of 274.691 ha has been granted by MoEF on 22.08.2014. Stage-I FC granted for 361.295 ha on 04.03.2014 in addition to 274.691 ha. Stage- I compliance report wa submitted to DFO 02.06.2015. State Govt. vide letter dated 30.07.2015/23.09.2015 forwarded the proposal to MoEFCC, New Delhi for grant of Stage-II FC. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 03.07.2018 requested GoJ to provide some informations. The desired informations were submitted to DFO on 19.07.2018 & forwarded to CF on 08.08.2018. Proposal forwarded to PCCF (N), Ranchi on 18.08.2018. Some more information sought by PCCF (Nodal) was submitted to DFO on 05.09.2018 and subsequently forwarded to PCCF (Nodal) on 26.09.2018. Proposal forwarded to Addl. CS (F,E&CC) on 28.09.2018. The Final recommendation has been forwarded to MoEFCC, Gol on 19.11.2018. Further, query raised by MoEF&CC on 28.02.2019 & intimated to Govt. of Jharkhand for compliance. In compliance to this, a meeting was held with forest department on 18.03.2019 wherein CA demarcation & revision of CA land as per DSS was discussed. Verification of CA areas under different division/ranges is under progress.		EC granted by MoEF on 25.03.2013. CTO for 12.5 MTPA renewed by JSPCB on 26.12.2016 for the period 01.01.2017 to 31.12.2020.	
Jhilingburu - I	12.05.50	11.05.80	210.526	25.04.09 (2nd RML)	Stage-I FC for 210.526 ha forest land was granted vide MoEF&CC order dated 25.09.2017. Compliance related to CA land indentification is under progress.		ToR for conduting EIA study for production of 61,362 TPA Manganese Ore was granted by MoEF &CC on 04.03.2015. Final EIA/EMP report was submitted online on 04.01.2017 for EAC meeting & grant of EC. MoEF&CC on 13.11.17sought additional details and directed to apply online as per notification dated 14.03.17. The reply of the ADS was submitted & as per the provisions of notification dated 14.03.17, the ToR proposal was submitted online on 02.12.17. Again vide notification dated 16.03.2018, MoEFCC directed for re-submission of the ToR proposal. Proposal was re-submitted to MoEFCC online on 4.4.18 for issue of TOR and requested to consider the proposal as a special case as Public hearing already held and final EIA submitted. EAC meeting held on 29.08.2018. ADS asked on 13.09.2018 which is under compliance.	
Jhilingburu - II	12.05.50	31.03.20	30.43	05.05.09 (2nd RML)	Stage-I FC for 30.43 ha of forest land was granted on 29.01.2013. Stage-I FC Compliance Report submitted to DFO, Chaibasa on 20.05.2016 and was forwarded to RO, MoEFCC, Ranchi for grant of Stage-II FC. The query raised by MoEFCC, Ranchi pertaining to CA levies information/record was submitted by Dy. Secy. (F,E&CC Dept.), GoJ to DCF (Central), MoEFCC, Ranchi on 16.01.2018 for further necessary action. MoEF&CC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.		EC has been granted by Jharkhand SEIAA, Ranchi on 10.12.2018 for production of 20820 TPA Manganese ore.	
Topailore	09.03.70	31.03.20	14.15	04.03.99	Stage-I FC for 14.15 ha of forest land was granted by MoEF on 30.08.13. Stage-I FC compliance submitted to DFO, Saranda on 05.03.2016 and was forwarded to RO, MoEFCC, Ranchi on 03.11.16 for grant of Stage-II FC. MoEFCC, RO, Ranchi vide letter dated 27.02.2019 requested PCCF (Nodal), GoJ to provide certain information in view of the approval of MPSM.		EC granted by SEIAA vide letter no. EC/SEIAA/2015-16/2015/1291 dated 17.08.2015.	
<b>CHIRIA</b>								
Budhaburu (McLellan)	08.12.45	31.03.20	823.617	16.11.04 (2nd RML)	Stage I FC granted by MoEFCC vide order no- 8-70/2009-FC dated 7th March 2011. Compliance of Stage-I FC forwarded by State Govt. to MoEF on 22.09.2014. RO, MoEFCC, BBSR inspected the mine and the report was sent to MoEFCC, New Delhi on 24.07.2015. After approval of MPSM on 08.06.18, MoEFCC vide letter dated 10.08.2018 requested GoJ to provide some informations. In line with that letter, GOJ asked the same on 31.08.2018 which is under compliance. Special Duty Office (F,E&CC) vide letter dated 1.11.18 directed PCCF, Jharkhand & PCCF (Nodal) with a copy to SAIL to submit the information. The pointwise information (except shape/kml files of CA land) was submitted to DFO, Saranda on 14.11.18. Shape/kml files of the lease area and forest area proposed for diversion and sites identified for CA were submitted to DFO, Saranda by MOM, Chiria on 24.12.18.DFO, Saranda submitted the information to CF, Chaibasa on 22.01.19. CF forwarded to RCCF on 12.02.19. RCCF vide letter dated 22.02.19 forwarded to PCCF (Nodal) on 25.02.19.		EC has been granted by MoEF&CC vide letter no -J-11015/249/2009-IA.II (M) dated 23.03.2011 for enhancement of production capacity to 4.2 MTPA.	
Ajitaburu	07.12.47	06.12.77	323.887	04.12.06 (2nd RML)			EC has been granted by MoEF&CC vide letter no - J-11015/505/ 2007-IA.II (M) dated 31.03.2011 for enhancement of production capacity to 2.8 MTPA.	
Sukri - Latur	22.03.49	21.03.79	609.554	11.03.08 (2nd RML)			EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 10.06.2013 for production capacity to 0.75 MTPA.	
Dhobil	08.03.48	07.03.38	513.036	06.03.97 (2nd RML)	Forestry clearance is deemed to be exist upto 2038.		EC has been granted by MoEF vide letter no- J-11015/247/ 2009-IA.II (M) dated 24.01.2012 and amended dated 01.05.12 for production capacity to 0.75 MTPA. The amendment of EC for continuation of ore transportation by road for 5 more years beyond June, 2017 was granted on 19.04.17. Consent to Operate for 0.75 MTPA has been renewed by JSPCB on 09.03.2018 for the period up to 31.03.2022. CTO for Manoharpur siding for dispatch of 2.5 lakhs T/month of iron ore was granted by JSPCB on 08.12.16 for period upto 30.06.2021.	
Tatiburu	01.09.49	31.08.79	38.85	24.08.08 (2nd RML)	Virgin & Non-working lease.No FC			No EC
Ankuia	14.06.82	31.03.20	67.178	18.06.11 (2nd RML)	Virgin & Non-working lease.No FC			No EC

**RMD MANPOWER POSITION AS ON 01.04.2019**

	<b>Executives</b>	<b>Non-Executives</b>	<b>Total</b>
<b>A. Ore Mines</b>			
Kiriburu	88	516	604
Meghatuburu	68	476	544
Bolani	91	404	495
Barsua	62	290	352
Kalta	20	61	81
Gua	61	505	566
Chiria	18	54	72
<b>A. Total</b>	<b>408</b>	<b>2306</b>	<b>2714</b>
<b>B. Flux Mines</b>			
Purnapani	0	9	9
Kuteshwar	23	91	114
BNP & TDMR	12	59	71
<b>B. Total</b>	<b>35</b>	<b>159</b>	<b>194</b>
<b>C. Offices</b>			
Kolkata	64	30	94
Rourkela	13	16	29
Bokaro	2	3	5
Durgapur	0	4	4
Delhi	3	2	5
Bhubaneswar	1	2	3
Ranchi	2	2	4
Burnpur	0	1	1
MT	17	0	17
<b>C. Total</b>	<b>102</b>	<b>60</b>	<b>162</b>
<b>Grand Total (A+B+C)</b>	<b>545</b>	<b>2525</b>	<b>3070</b>
<b>Manpower as on 01.03.2019</b>	<b>546</b>	<b>2538</b>	<b>3084</b>
<b>Reduction(-)/Increase(+)</b>	<b>-1</b>	<b>-13</b>	<b>-14</b>

## Safety Report

	Fatal (in Nos)		Serious (in Nos)		Reportable (in Nos)		Manday lost (in Days)	
	Mar-19	CUM. In 2019	Mar-19	CUM. In 2019	Mar-19	CUM. In 2019	Mar-19	CUM. In 2019
<b>Kiriburu</b>			<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>4</b>
<b>Meghatuburu</b>					<b>1</b>	<b>1</b>	<b>10</b>	<b>10</b>
<b>Bolani</b>						<b>1</b>	<b>31</b>	<b>90</b>
<b>Barsua</b>								
<b>Taldih</b>								
<b>Kalta</b>								
<b>Gua</b>								
<b>Chiria</b>						<b>1</b>		<b>4</b>
<b>Kuteshwar</b>								
<b>Tulsidamar</b>								
<b>RMD Total</b>			<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>45</b>	<b>108</b>

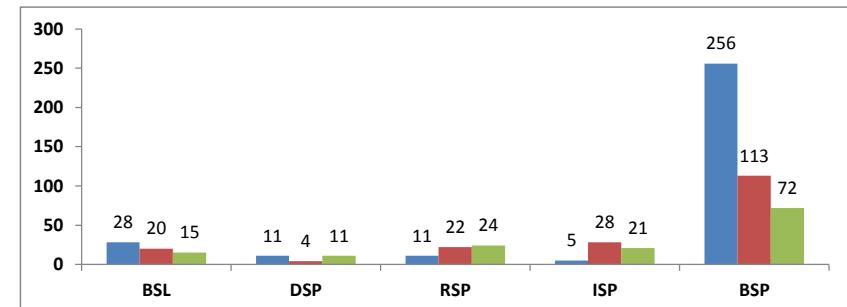
## IRON ORE STOCK INVENTORY BEHAVIOUR

March 2019

### IRON ORE LUMP

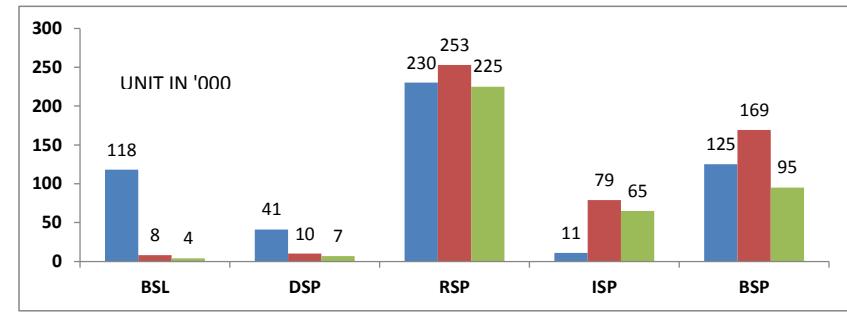
UNIT: '000 TONNES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.03.2019	MTH	CUM	MTH	CUM	01.04.2019	MTH	YR
BSL	28	20	241	2373	237	2383	15	-5	-13
DSP	11	4	135	1402	129	1456	11	7	0
RSP	11	22	237	2462	180	2448	24	2	13
ISP	5	28	101	1160	111	1170	21	-7	16
BSP	256	113			317	2934	72	-41	-184
<b>TOT</b>	<b>311</b>	<b>187</b>	<b>714</b>	<b>7397</b>	<b>974</b>	<b>10391</b>	<b>143</b>	<b>-44</b>	<b>-168</b>



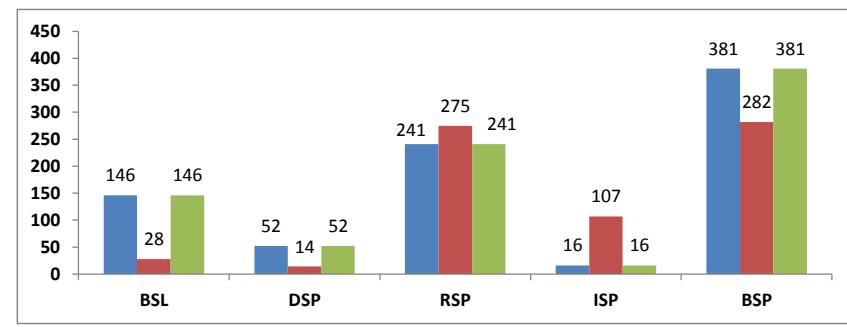
### IRON ORE FINES

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.03.2019	MTH	CUM	MTH	CUM	01.04.2019	MTH	YR
BSL	118	8	385	4177	376	4060	4	-4	-114
DSP	41	10	177	2532	179	2552	7	-3	-34
RSP	230	253	284	3992	377	3925	225	-28	-5
ISP	11	79	243	2764	286	2756	65	-14	54
BSP	125	169	8	82	455	4409	95	-74	-30
<b>TOT</b>	<b>525</b>	<b>519</b>	<b>1097</b>	<b>13547</b>	<b>1673</b>	<b>17702</b>	<b>396</b>	<b>-123</b>	<b>-129</b>



### IRON ORE TOTAL

PLANT	STK	STK	RECEIPTS		CONS		STK	ST+/-	
	01.04.2018	01.03.2019	MTH	CUM	MTH	CUM	01.04.2019	MTH	YR
BSL	146	28	626	6550	613	6443	19	-9	-127
DSP	52	14	312	3934	308	4008	18	4	-34
RSP	241	275	521	6454	557	6373	249	-26	8
ISP	16	107	344	3924	397	3926	86	-21	70
BSP	381	282	8	82	772	7343	167	-115	-214
<b>TOT</b>	<b>836</b>	<b>706</b>	<b>1811</b>	<b>20944</b>	<b>2647</b>	<b>28093</b>	<b>539</b>	<b>-167</b>	<b>-297</b>



\* BSP RECEIPT FROM RMD MINES

# PRODUCTION PERFORMANCE

March 2019

**हॉट मेटल**

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Mar 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	432	382	88	360	6	4700	4208	90	4047	4
दुर्गापुर	235	219	93	228	-4	2640	2516	95	2282	10
रातरकेला	331	345	104	305	13	4000	3837	96	3312	16
बनपुर	230	233	101	191	22	2700	2200	81	2067	6
<b>पूर्वी इस्पात संयंत्र</b>	<b>1228</b>	<b>1179</b>	<b>96</b>	<b>1084</b>	<b>9</b>	<b>14040</b>	<b>12762</b>	<b>91</b>	<b>11708</b>	<b>9</b>
भिलाई	654	466	71	381	22	6450	4752	74	4261	12
<b>TOTAL</b>	<b>1882</b>	<b>1645</b>	<b>87</b>	<b>1465</b>	<b>12</b>	<b>20490</b>	<b>17514</b>	<b>85</b>	<b>15969</b>	<b>10</b>

**सिन्तर**

UNIT:'000 TONNES

संयंत्र	FOR THE MONTH			LAST YR Mar 2018	GRTH %	CUML FOR YR			LAST YR	GRTH %
	TGT	ACT	%FF			TGT	ACT	%FF		
बोकारो	579	514	89	488	5	5615	5870	105	5610	5
दुर्गापुर	294	315	107	315	0	3300	3374	102	3153	7
रातरकेला	521	549	105	465	18	6200	6310	102	5200	21
बनपुर	332	336	101	303	11	3900	3314	85	3318	0
<b>पूर्वी इस्पात संयंत्र</b>	<b>1726</b>	<b>1714</b>	<b>99</b>	<b>1571</b>	<b>9</b>	<b>19015</b>	<b>18868</b>	<b>99</b>	<b>17281</b>	<b>9</b>
भिलाई	889	677	76	619	9	9400	6918	74	6464	7
<b>TOTAL</b>	<b>2615</b>	<b>2390</b>	<b>91</b>	<b>2190</b>	<b>9</b>	<b>28415</b>	<b>25786</b>	<b>91</b>	<b>23745</b>	<b>9</b>

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

***FIGS IN '000 T***

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	7	24	101	77	3		8		21		241
DSP		0	105				30				136
RSP	82	50		4		101					236
ISP			49				52				101
BSP											
TOT	89	74	255	80	3	101	90		21		713

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	91	54	85	103	4	17	13		18		384
DSP		53	73				51				176
RSP	120	116				48					283
ISP		8	87				148				243
BSP	8										8
TOT	219	230	245	103	4	64	212		18		1094

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	98	78	186	180	7	17	21		40		625
DSP		53	178				81				312
RSP	202	166		4		149					520
ISP		8	136				200				343
BSP	8										8
TOT	307	304	499	183	7	165	301		40		1807

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

**FIGS IN '000 T**

	Lump Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	307	382	721	303	40	310	41		269		2373
DSP		7	1032				363				1402
RSP	703	613		335	107	602	4		92	6	2462
ISP			441				674		45		1160
BSP											
TOT	1010	1002	2194	638	147	912	1082		406	6	7397

	Fines Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	1064	960	645	894	102	146	118		241	7	4177
DSP		178	1542				812				2532
RSP	1701	1409		188		638			56		3992
ISP	6	168	1071	4			1473		42		2764
BSP	74	8									82
TOT	2845	2723	3258	1086	102	784	2403		339	7	13547

	Total Receipt										
	KBR	MBR	BOL	BAR	TAL	KAL	GUA	PUR	MPR	DRZ	TOT
BSL	1371	1342	1366	1197	142	456	159		510	7	6550
DSP		185	2574				1175				3934
RSP	2404	2022		523	107	1240	4		148	6	6454
ISP	6	168	1512	4			2147		87		3924
BSP	74	8									82
TOT	3855	3725	5452	1724	249	1696	3485		745	13	20944

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

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

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

**BUSY SEASON FREIGHT IN RS PER TONNE FOR TRAIN LOAD**

	BSL (BSCS)		DSP (DSEY)		RSP (HSPG)		IISCO (IISD)		BSP (BSPC)	
IRON ORE	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT	DIST	FRT
165 CLASS-170 CLASS	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
KRBU(N/B) (FOS)	371	<b>804.92</b>	409	<b>902.85</b>	94	<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>	94	<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>	94	<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>	227	<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>	73	<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>	63	<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>	220	<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>	37	<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>	537	<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	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18	Km	Nov-18
BHAWANATHPUR (PSBS)	369	<b>707.35</b>	491	<b>922.29</b>	563	<b>1095.56</b>	459	<b>878.34</b>	909	<b>1688.33</b>
KHANABANJARI (BLSG)	712	<b>1352.04</b>	834	<b>1520.60</b>	680	<b>1266.31</b>	802	<b>1520.60</b>	496	<b>922.29</b>