

### INTER OFFICE CORRESPONDENCE स्टील अथॉरिटी ऑफ़ इंडिया लिमिटेड रॉ मेटेरियल्स डिवीजन

No: RMD/K/DGM (PPC)/19-20/15

Dated: 02/04/2019

From: DGM (PPC), Kolkata	To: ED (P&A)/ED(RP&E)/ED(Projects) All Head of Mines All GMs at Kolkata & Rourkela	
-----------------------------	--	--

Subject: Production, Despatch, Quality and Linkage of Iron Ore & Flux for the year 2019-20.

Kindly find enclosed herewith month-wise Production, Dispatch, Departmental Waste, Quality and Linkage Plan for RMD mines during 2019-20. These figures have been approved by Executive Director (Oprns) RMD and shall be considered for APP purpose.

Month wise dispatch figures are fixed but dispatch distributions to different Steel Plants are indicative & dispatches shall be done as per requirement, rake availability and Transit Permit/Forwarding Notes etc. for the destination Steel Plants.

Daily dispatch plan shall be intimated by PPC, Kolkata.

With kind regards

Encl: As above: 12 Pages

(Anupam Bisht)
DGM (PPC)

### Copy for kind information:

- 1. Office of Director (RM&L), SAIL, New Delhi.
- 2. GM, CRMG, SAIL, New Delhi.

# HOT METAL & SINTER PRODUCTION PLAN FOR 2019-20

### STEEL PLANTS

_	_							-							_																									•		L
19-20		4700	2640	4000	2700	6450	20490		0009	3400	6500	3904	9400	29204		3145	1720	2090	1525	0	8480		4386	2600	4318	3091	1200	15595		365	81	386	93	925		7896	4401	6794	4709	1200	25000	
QTR 4		1207	989	982	982	1712	5272		1639	988	1597	066	2500	7612		808	447	513	387	0	2155		1121	670	1048	786	300	3925		95	21	96	23	235		2024	1138	1657	1196	300	6315	
Jan-20   Feb-20   Mar-20   QTR 4		411	235	335	240	584	1805		558	304	545	347	860	2614		275	153	175	136	0	739		376	230	360	275	100	1341		35	7	35	8	85		989	390	570	419	100	2165	
Feb-20		385	216	312	220	544	1677		523	278	207	318	790	2416		258	141	163	124	0	989		385	215	328	251	100	1279		30	7	31	7	7.5		673	363	522	382	100	2040	
Jan-20		411	235	335	225	584	1790		558	304	545	325	850	2852		275	153	175	127	0	730		360	225	360	760	100	1305		30	7	30	8	75		999	385	565	395	100	2110	
QTR 3		1201	672	686	670	1693	5225		1585	846	1612	696	2455	7467		804	438	517	378	0	2137		1120	099	1075	770	300	3925		95	50	95	23	233		2019	1118	1687	1171	300	6295	
Dec-19		411	235	335	210	579	1770		523	250	545	304	840	2462		275	153	175	119	0	722	INTER	380	230	365	240	100	1315	PELLETS	30	7	35	7	79	N	685	390	575	366	100	2116	
Nov-19 Dec-19		395	209	323	225	295	1714		504	294	527	325	815	2465	N	264	136	169	127	0	969	N FOR S	370	205	350	260	100	1285	V FOR P	35	9	30	8	79	PLY PLA	699	347	549	395	100	2060	
QTR2   Oct-19	METAL	395	228	331	235	552	1741	SINTER	558	302	540	340	800	2540	LUMP SUPPLY PLAN	264	149	173	133	0	719	PLY PLA	370	225	360	270	100	1325	LY PLAI	30	7	30	8	75	VES SUP	664	381	563	411	100	2119	
QTR2	HOT METAI	1137	647	1001	665	1601	5051	SIN	1475	811	1623	961	2330	7200	IMP SUI	761	422	523	376	0	2081	ES SUP	1065	645	1085	760	300	3855	ES SUPF	85	20	95	23	223	MP+FIF	1911	1087	1703	1159	300	6129	
Sep-19		360	220	321	230	542	1673		542	282	523	333	800	2480	]1 	241	143	168	130	0	682	ORE FINES SUPPLY PLAN FOR SINTER	340	220	350	760	100	1270	IRON ORE FINES SUPPLY PLAN FOR	25	7	30	8	70	TOTAL LUMP+FINES SUPPLY PLAN	909	370	548	398	100	2022	
Aug-19 Sep-19		380	225	358	225	558	1746		482	289	579	325	810	2485		254	147	187	127	0	715	IRON	355	225	385	260	100	1325	IRON (	30	7	35	8	80	T	639	379	209	395	100	2120	
Jul-19		397	202	322	210	501	1632		451	240	521	304	720	2236		592	132	168	119	0	684		370	200	350	240	100	1260		30	9	30	7	73		999	338	548	366	100	2017	
QTRI		1155	635	1028	089	1444	4942		1301	857	1668	983	2115	6924		773	414	537	384	0	2108		1080	625	1110	775	300	3890		06	70	100	24	234		1943	1059	1747	1183	300	6232	
Jun-19		390	220	339	225	478	1652		439	281	550	325	710	2305		261	143	177	127	0	209		365	210	370	255	100	1300		30	7	30	8	75		959	360	577	390	100	2084	
Apr-19   May-19   Jun-19		400	225	350	235	495	1705		451	294	568	340	720	2373		268	147	183	133	0	730		375	225	375	270	100	1345		30	7	35	8	80		673	379	593	411	100	2155	
Apr-19		365	190	339	220	471	1585		411	282	550	318	685	2246		244	124	177	124	0	699		340	190	365	250	100	1245		98	9	32	8	62		614	320	225	382	100		•
	_	BSL	DSP	RSP	ISP	BSP	TOTAL		BSL	DSP	RSP	ISP	BSP	TOTAL		BSL	DSP	RSP	ISP	BSP	Lump		BSL	DSP	RSP	ISP	BSP	Fines	į	BSL	DSP	RSP	ISP	Fines		BSL	DSP	RSP	ISP	BSP	Lump+Fine	

### **INDICATIVE PRODUCTION & LINKAGES PLAN IRON ORE 2019-20**

Units in 000 TE	BSL	DSP	RSP	ISP	BSP	Total	Mines Production
HM PLANT	4700	2640	4000	2700	6450	20490	19-20
		LUMP DISI			0.50		l
REQMT	3421	1781	2382	1595		9179	PROD - LUMP
KIRIBURU	340		810		-	1150	1150
MEGHAHATUBURU	585		290			875	875
BOLANI	640	1460		486		2586	2586
BARSUA	683		120			803	803
TALDIH	172		160			332	332
KALTA	529		700			1229	1229
GUA CHIRIA	90	260	10	780		1130	1130
	106	4500	10	259		375	375
TOTAL	3145	1720	2090	1525	0	8480	8480
Lump Shortage	276	61	292	70	0	699	1
Specific Consm as per Requirement	0.73	0.67	0.60	0.59			
Requirement	<u> </u>	FINES DISF	PATCH				1
REQMT	4386	2600	4318	3091	1200	15595	PROD - FINES
KIRIBURU	869	0	1281	0	1200	3350	3350
MEGHAHATUBURU	969	91	1565	0		2625	2625
BOLANI	930	2000	0	984		3914	3914
BARSUA	1090	0	607			1697	1697
TALDIH	338	0	280			618	618
KALTA GUA	300 80	0 590	771	2200	0	1071 2870	1071 2870
CHIRIA	175	0	200	2200	0	375	375
TOTAL	4751	2681	4704	3184	1200	16520	16520
Excess Fines	365	81	386	93	0	925	
Linkage @ 1.323 T Fines/T Pellet	365	81	386	93	0	925	•
Specific Consm as per	0.93	0.98	1.08	1.14			
Requirement		TOTAL IRO	N ORE				1
REQMT	7807	4381	6700	4686	1200	24774	PROD - L+F
KIRIBURU	1209	0	2091	0	1200	4500	4500
MEGHAHATUBURU	1554	91	1855	0	0	3500	3500
BOLANI	1570	3460	0	1470_	0	6500	6500
BARSUA	1773	0	727	0	0	2500 950	2500 950
TALDIH KALTA	510 829	0	440 1471	0	0	2300	2300
GUA	170	850	0	2980	0	4000	4000
CHIRIA	281	0	210	259	0	750	750
TOTAL	7896	4401	6794	4709	1200	25000	25000
Specific Consm-Demand	1.66	1.66	1.68	1.74			
					9.25 lakh T	excess fines	
						1 / 11 - 4	1.323
Specific Consm- Plan	1.68	1.67	1.70	1.74	may be linke	ea for pellet	1.323
	1.68	<u></u>			conversion	•	1.323
Units in 000 Te			FLUX LINKA	GES 2019-	conversion (	•	1.323
Units in 000 Te LIMESTONE	1.68 BSL	DSP			conversion	@1.323	PROD- FLUX
Units in 000 Te LIMESTONE REQMT	BSL 480	DSP 107	FLUX LINKA RSP 150	AGES 2019- ISP 0	conversion ( 20 BSP 500	@1.323 1237	PROD- FLUX
Units in 000 Te LIMESTONE REQMT KUTESHWAR	BSL	DSP	FLUX LINKA RSP 150 150	AGES 2019- ISP 0	conversion (20)  BSP  500  500	@1.323 1237 1200	PROD- FLUX
Units in 000 Te LIMESTONE REQMT	BSL 480	DSP 107	FLUX LINKA RSP 150	AGES 2019- ISP 0	conversion ( 20 BSP 500	@1.323 1237	PROD- FLUX
Units in 000 Te LIMESTONE REQMT KUTESHWAR TOT-LST	BSL 480 480 480	DSP 107 70	FLUX LINKA RSP 150 150 150	AGES 2019- ISP 0	Conversion	@1.323 1237 1200 1200	PROD- FLUX 1200 1200
Units in 000 Te LIMESTONE REQMT KUTESHWAR TOT-LST DOLOMITE	BSL 480 480 480	DSP 107 70 70	FLUX LINKA RSP 150 150 150	AGES 2019- ISP 0 0	conversion ( 20 BSP 500 500 500	@1.323 1237 1200 1200	PROD- FLUX 1200 1200 PROD
Units in 000 Te LIMESTONE REQMT KUTESHWAR TOT-LST	BSL 480 480 480	DSP 107 70	FLUX LINKA RSP 150 150 150	AGES 2019- ISP 0	Conversion	@1.323 1237 1200 1200	PROD- FLUX 1200 1200

MTI 2pm Final

## PRODUCTION PLANNING FOR 2019-20

## IRON ORE MINES

19-20		1150	3350	4500
QTR 4		310	905	1215
Mar-20		105	315	420
Jul-19 Aug-19 Sep-19 QTR2 Oct-19 Nov-19 Dec-19 QTR3 Jan-20 Feb-20 Mar-20 QTR4 19-20		100	290	390
Jan-20		105	300	405
QTR 3		282	835	1120
Dec-19		105	300	405
Nov-19		06	270	098
Oct-19	KIRIBURU	06	265	355
QTR2	KIRIE	245	982	086
Sep-19		5/	215	290
Aug-19		82	235	320
Jul-19		85	235	320
QTRI		310	925	1235
Jun-19		100	295	362
pr-19   May-19   Jun-19   QT		105	315	420
Apr-19		105	315	420
		LUMP	FINES	L+F

# \*Shutdown for 10 days in Sept'19 4 days in Oct'19 and 3 days in Nov'19

## MEGHAHATUBURU

_		_	1
875	2625	3200	
220	980	006	
75	235	310	
20	210	780	
75	235	310	
235	695	930	
8	235	315	
75	225	300	
88	235	315	BOLANI
190	565	252	BOI
99	185	245	
65	190	255	
65	190	255	
230	685	912	
75	225	008	
80	235	315	
75	225	300	
LUMP	FINES	L+F	

rusher	*Shutdown for 14 Days in Dec'19 Pr. Crusher	Days in D	un for 14	*Shutdov		1	hickener	acker & 7	r, Fines St	Reclaime	for Secondary Crusher, Reclaimer, Fines Stacker & Thickener	condary	'19 for Se	hutdown 12 Days in June'19	wn 12 Da	ğ	S
6500	1780	610	260	610	1550	340	595	615	1590	520	535	535	1580	370		615	595 615
3914	1079	370	339	370	935	205	360	370	955	315	320	320	945	215		370	<b>360</b> 370
2586	701	240	221	240	615	135	235	245	635	205	215	215	635	155		245	235 245
								ANI	BOLANI								
3500	006	310	280	310	086	315	300	315	755	245	255	255	915	300		315	300 315
	3	100	,	-					-		200			2			

### BARSUA

	in Jan'20	Cov#51 Modification in Jan'20	v#51 Moi	wn for Co	s Shutdo	* 12 days						Apr'19	1 days in	hift for 2:	wn in As	* Shutdo	
2500	295	220	202	140	999	225	220	220	599	215	225	225	902	215	225	165	ŧΕ
1697	387	150	142	92	455	155	150	150	445	145	150	150	410	145	155	110	ES
803	178	70	63	45	210	70	70	70	220	70	75	75	195	70	70	52	ИР

### TALDIH

_	2300	585	199	185	102	UUY	002	000	υυc	525	170	175	180	290	195	000	195	1+1
	1071	271	95	85	91	280	95	96	95	245	80	80	82	275	90	95	90	FINES
_	1229	314	104	100	110	320	105	110	105	280	06	92	92	315	105	105	105	LUMP
1 1									KALTA	KAI								
	950	236	80	11	6/	240	80	80	80	238	28	80	80	236	28	80	78	Ι÷Γ
	618	153	52	20	51	156	52	52	52	155	51	52	52	154	51	52	51	FINES
	332	83	28	27	28	84	28	28	28	83	27	28	28	82	27	28	27	LUMP

### GUA

1130	2870	4000		375	375
290	730	1020		91	91
100	250	320		32	32
6	230	320		27	27
100	250	320		35	32
295	745	1040		56	96
100	250	320		32	32
95	245	340		31	31
100	250	320	IARPUR	32	32
255	655	910	MANOHARPUR	92	95
85	215	300		31	31
85	220	305		32	32
82	220	305		32	32
290	740	1030		54	94
95	245	340		31	31
100	250	320		32	32
95	245	340		31	31
LUMP	FINES	L+F		LUMP	FINES

## RMD TOTAL IRON ORE

													İ	İ	İ	Ì	
_	or-19	May-19	Jun-19	QTRI	Jul-19	Aug-19	Sep-19	QTR2	Oct-19	Nov-19	Dec-19	QTR 3	Jan-20	Feb-20	Mar-20	QTR 4	19-20
	728	765	658	1212	089	089	643	2003	052	734	655	2139	735	869	754 ·	2187	8480
	1427	1504	1297	4228	1284	1279	1237	3800	1449	1423	1324	4196	1424	1373	1499	4296	16520
	2155	5269	1955	6326	1964	1959	1880	5803	2199	2157	1979	6335	2159	2071	2253	6483	25000

## **DESPATCH PLANNING FOR 2019-20**

Apr-19         May-19         Jun-19         QTR I         Jul-19         Aug-19         Sep-19         QTR 2         Oct-19         Nov-19         Dec-19           105         100         305         85         90         75         250         90         90         105           320         320         315         955         245         255         235         355         360         405           425         420         415         1260         330         345         310         985         355         360         405	Aug-19 Sep-19 QTR2 Oct-19  KIRIBURU 90 75 250 90 255 235 735 265 345 310 985 355	Sep-19         QTR2         Oct-19           KIRIBURU         75         250         90           235         735         265           310         985         355	QTR2         Oct-19         Nov-19         Dec-10           KIRIBURU         250         90         90         105           735         265         270         300         905         205           985         355         360         405         405	Oct-19 Nov-19 Dec URU 90 90 105 265 270 300 355 360 405	Nov-19 Dec-	105 300 405	9	QTR 3 285 835 1120	Jan-20 105 270 375	100 270 370	Jan-20         Feb-20         Mar-20         QTR 4           105         100         105         310           270         270         285         825           375         370         390         1135	310 825 1135	1150 3350 4500
9 70 70 86 8 220 240 200	70 86 <b>226</b> 70	226 70 660 213					90	235	70	70	55	195	875
321 <b>927</b> 290 310 286 <b>886</b> 283	310 286 886 283	886 283	283	-	273	-	303	859	298	257	273	828	3500
BOLANI		BOLANI	BOLANI	INI									
165 <b>645</b> 215 215 205 <b>635</b> 245	215 205 <b>635</b> 245	<b>635</b> 245	245	$\dashv$	203	$\overline{}$	167	615	235	211	245	691	2586
280 1000 330 330 325 985 325	330 325 985 325	985 325	325	+	310	_	280	915	345	335	334	1014	3914
RARSI	BABSILA	RARCHA	ALIA RSI IA	, ,	3	1	Ì	SCI	200	ę F	6/6	7077	2200
02   02   02   02   27   20   02   07   07	70 7000	02 066	1 70	ŀ	۶		25	210	Ā	63	22	178	803
145 410 150 150 145 44 <b>5</b> 150	150 145 445 150	<b>445</b> 150	150	╀	150	1	155	455	95	142	150	387	1697
215 <b>605</b> 225 225 215 <b>665</b> 220	225 215 <b>665</b> 220	<b>665</b> 220	220	L	220	T	225	665	140	205	220	292	2500
TALDIH	ТАГРІН	TALDIH	TALDIH	¥		1							
27 83	27 83 28	83 28	28	H	78		28	84	28	27	28	83	332
51 <b>154</b> 52 52 51 <b>155</b> 52	51 <b>155</b> 52	<b>155</b> 52	52		2	25	52	156	51	05	25	153	618
80 78 <b>236</b> 80 80 78 <b>238</b> 80 80	78 <b>238</b> 80	<b>238</b> 80	80	-	8(		80	240	79	11	80	236	950
KALTA	KALTA	KALTA	KALTA	LΑ									
105 105 <b>315</b> 105 95 90 <b>290</b> 95 1	95 90 <b>290</b> 95	290 95	95	Н	1	110	105	310	110	100	104	314	1229
90 <b>275</b> 85 80 80 <b>245</b> 95	80 80 <b>245</b> 95	<b>245</b> 95	95	$\dashv$		90	95	280	91	85	95	271	1071
0 190 175 170 <b>535</b> 190	175 170 <b>535</b> 190	535 190	190	$\dashv$	$^{\sim}$	200	200	590	201	185	199	585	2300
GUA	GUA	GUA	GUA	A									
100	85 <b>250</b> 100	<b>250</b> 100	100	Н	9		100	295	100	06	100	290	1130
245 <b>740</b> 220 220 215 <b>655</b> 250	220 215 655 250	<b>655</b> 250	250	_	74	5	250	745	250	230	250	730	2870
<b>5</b> 305 300 300 <b>905</b> 350	300 300 <b>905</b> 350	<b>905</b> 350			3	340	350	1040	350	320	350	1020	4000
MANOHARPUR	MANOHARPUR	MANOHARPUR	MANOHARPUR	ARPUR									
31 <b>82</b> 32 44 31 <b>107</b> 32	31 107 32	107 32	32		31		32	95	32	27	32	91	375
32 31 <b>94</b> 32 32 31 <b>95</b> 32 31	31 95 32	95 32	32		31		32	95	32	27	32	91	375
52 62 <b>176</b> 64 76 62 <b>202</b> 64 62	62 <b>202</b> 64	202 64	64		62		64	190	64	54	64	182	750
RMD TOTAL IRON ORE	RMD TOTAL IRON ORE	RMD TOTAL IRON ORE	TOTAL IRON ORE	IRON ORE	Æ								
May-19 Jun-19 QTR I Jul-19 Aug-19 Sep-19 QTR2 Oct-19 Nov-19	Aug-19 Sep-19 QTR2 Oct-19	QTR2 Oct-19	Oct-19	_	Nov-19	-	Dec-19	QTR 3	Jan-20	Feb-20	Mar-20	QTR 4	19-20
742 <b>683 2138 6</b> 95 697 <b>669 2061</b> 730 702	697 669 <b>2061</b> 730	<b>2061</b> 730	730	Н	702	П	697	2129	725	688	739	2152	8480
1393 43	1359 1282 <b>3975</b> 1382	<b>3975</b> 1382	1382	Н	134	٩	1377	4105	1362	1326	1416	4104	16520
2252 2076 <b>6474</b> 2029 2056 1951 <b>6036</b> 2112 2048	2056 1951 <b>6036</b> 2112	6036 2112	2112	Н	204	8	2074	6234	2087	2014	2155	6256	25000
	_												

### **DESPATCH PLANNING IRON ORE FOR 2019-20**

	Apr-19	May-19	Jun-19	QTRI	Jul-19	Aug-19	Sep-19		Oct-19	Nov-19	Dec-19	QTR 3	Jan-20	Feb-20	Mar-20	QTR 4	19-20
								KIRIBUR									
BSL	20	30	25	75	25	25	30	80	20	20	40	80	35	40	30	105	340
DSP RSP	85	70	75	0	60	65	45	0 170	70	70	C.E.	0 205	70		75	0 205	0
ISP	85	//	/5	230	60	65	45	0	70	70	65	0	70	60	/5	0	810
BSP				0				0				0				0	0
	105	100	100	305	85	90	75	250	90	90	105	285	105	100	105	310	1150
TOTAL	102	100	100	303	83	90		HAHATU			105	283	102	100	103	310	1130
BSL	30	44	70	144	45	45	51	141	45	50	65	160	45	50	45	140	585
DSP	35		-,-	0		į		0	,,,		- 55	0		30		0	0
RSP	30	30	15	75	25	25	35	85	25	25	25	75	25	20	10	55	290
ISP				0				0				0				0	0
BSP				0				0				0				0	0
TOTAL	60	74	85	219	70	70	86	226	70	75	90	235	70	70	55	195	875
							<u> </u>	BOLAN	- LUMP								
BSL	90	75	15	180	65	40	41	146	79	50	20	149	65	40_	60	165	640
DSP	100	125	110	335	105	130	124	359	126	108	126	360	130	131	145	406	1460
RSP				0				0				0				0	0
ISP	45	45	40	130	45	45	40	130	40	45	21	106	40	40	40	120	486
BSP				0				0				0				0	0
TOTAL	235	245	165	645	215	215	205	635	245	203	167	615	235	211	245	691	2586
DC:	45							BARSUA				40-	4-			455	
BSL	45	60	60	165	65	65	50	180	55	70	60	185	45	53	55	153	683
DSP	10	10	10	0	10	10	20	0	15		10	0		10	15	0 25	120
RSP	10	10	10	30	10	10	20	40	15		10	25 0		10	15	0	120
ISP				0				0			<del> </del> -	0	ļ <u>.</u>			0	0
BSP		70	70	0	75	75	70	0	70	70	70			- 62	70		
TOTAL	55	70	70	195	75	75	70	ZZO TALDIH	70 - LUMP	70	70	210	45	63	70	178	803
BSL	15	15	20	50	15	10	15	40	15	15	15	45	15	10	12	37	172
DSP				0				0				0				0	0
RSP	12	13	7	32	13	18	12	43	13	13	13	39	13	17	16	46	160
ISP				0				0				0				0	0
BSP				0				0				0				0	0
TOTAL	27	28	27	82	28	28	27	83	28	28	28	84	28	27	28	83	332
								KALTA	- LUMP		l					<u> </u>	
BSL	45	45	45	135	45	45	35	125	45	50	45	140	45	40	44	129	529
DSP				0				0				0				0	0
RSP	60	60	60	180	60	50	55	165	50	60	60	170	65	60	60	185	700
ISP				0				0				0				0	0
BSP				0				0				0				0	0
TOTAL	105	105	105	315	105	95	90	290	95	110	105	310	110	100	104	314	1229
									LUMP								
BSL	10	4		14	6		4-	6	5	5	15	25	15	15	15	45	90
DSP	27	20	35	82	35	20	15	70	30	28	15	73	15	10	10	35 0	260
RSP ISP	58	76	65	0 199	44	60	70	0 174	65	62	70	0 197	70	65	75	210	780
BSP	J8	70	05	199	44	00	//	0	L 03	02	10	197	70	03	/3	0	0
TOTAL	95	100	100	295	85	80	85	250	100	95	100	295	100	90	100	290	1130
TOTAL	33	100	100	433	03	00		NOHAR			100	433	100	30	100	4.50	1130
BSL	10	7	15	32	6	12	7	25	5	5	5	15	11	10	13	34	106
DSP	<u> </u>			0	<u> </u>			0	<u> </u>		<del></del>	0				0	0
RSP				0		10		10				0			<u> </u>	0	10
ISP	21	13	16	50	26	22	24	72	27	26	27	80	21	17	19	57	259
BSP		<del></del>	<del></del>	0				0	l	····	<u> </u>	0				0	0
TOTAL	31	20	31	82	32	44	31	107	32	31	32	95	32	27	32	91	375
	•	·	•						- LUMP	<del></del>					•	•	
BSL	265	280	250	795	272	242	229	743	269	265	265	799	276	258	274	808	3145
DSP	127	145	145	417	140	150	139	429	156	136	141	433	145	141	155	441	1720
RSP	197	183	167	547	168	178	167	513	173	168	173	514	173	167	176	516	2090
ISP	124	134	121	379	115	127	134	376	132	133	118	383	131	122	134	387	1525
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	713	742	683	2138	695	697	669	2061	730	702	697	2129	725	688	739	2152	8480
					•	*			٥	Y							

### **DESPATCH PLANNING IRON ORE FINES FOR 2019-20**

SS		Apr-19	May-19	Jun-19	QTRI	Jui-19	Aug-19	Sep-19	QTR2	Oct-19		Dec-19	QTR 3	Jan-20	Feb-20	Mar-20	QTR 4	19-20
DSP	[DČI	0.5	0.5														<u> </u>	
SEP   135   135   130   400   85   85   85   256   95   90   120   208   100   100   101   131   1281		85_	85	85		60	60	50		70	80	80		70	70	74	_	
SP		135	135	130		95	05	- 05	<u> </u>	0.5	00	120		100	100	111	_	-
SEP   100   100   100   300   100   300   100   300		155	133	130		-65	33	65		33	30	120		100	100	111		
		100	100	100	<del></del>	100	100	100		100	100	100		100	100	100		
Section   Sect		_																
DSP   16												300	033	270		203	023	3330
SP	BSL	100	104	100	304	90	90	70	250	70	55	70	195	90	60	70	220	969
SP	DSP	16	12	16	44				0	8	8	8	24	8	7	8	23	91
SSP		120	120	120	_	130	150	130	410	135	135	135	405	130	120	140	390	1565
TOTAL   236   236   236   708   220   240   200   660   213   198   213   624   228   187   218   633   2525     SSL										<u> </u>							0	0
Boll   100   100   70   270   65   55   60   180   80   75   55   210   100   85   85   270   290	-	226	226	225	_								<del></del>					
BSI	IOIAL	230	236	236	/08	220	240	200			198	213	624	228	187	218	633	2625
DSP   150   175   140   475   175   185   175   185   175   185   175   185   175   185   175   185	BSL	100	100	70	270	65	55	60			75	55	210	100	85	85	270	930
SP	DSP	160	175	140	475	175	185	175	535	175				_				
BSP	RSP				0				0				0				0	0
TOTAL   350   370   280   1000   330   330   325   385   325   310   280   915   345   335   334   1014   3914     BSI		90	95	70		90	90	90		70	70	70		80	85	84	249	984
Barsum   B													0				0	0
BSI	TOTAL	350	370	280	1000	330	330	325				280	915	345	335	334	1014	3914
DSP	BCI	90	۵n	75	255	100	105	02				00	225	20	07	O.	242	1000
RSP	_	30	30	/3		100	103	75		65	130	30		30	97	83		-
SP	$\overline{}$	20	65	70		50	45	52		65		65		65	45	65		-
TOTAL   110   155   145   410   150   150   150   145   445   150   150   155   455   95   142   150   387   1697	ISP				0				<del></del>	<u> </u>								-
SEL   25   25   23   73   20   20   25   65   30   30   30   90   40   30   40   110   338	BSP				0				0			-	0				0	0
BSL   25   25   23   73   20   20   25   65   30   30   30   90   40   30   40   110   338     DSP	TOTAL	110	155	145	410	150	150	145	445	150	150	155	455	95	142	150	387	1697
DSP   26   27   28   81   32   32   26   90   22   22   22   26   66   11   20   12   43   280									TALDIF	- FINES								
RSP   26   27   28   81   32   32   26   90   22   22   22   26   66   11   20   12   43   280     SP		25	25	23		20	20	25		30	30	30		40	30	40		
SP	$\overline{}$	26							_	<u> </u>			- "					
BSP	$\overline{}$	26	2/	28		32	32	26		22	22	22		11	20	12		-
TOTAL   51   52   51   154   52   52   51   155   52   52   52   5									<del></del>	ļ								-
SI		51	52	51		E2	E2	E1			52	E2		E1	EO	E 2		
DSP	TOTAL			- J.	134	32					32	32	130	31	30	34	133	010
RSP 75 80 76 231 60 55 60 175 70 60 60 190 56 60 59 175 771 ISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BSL	15	15	14	44	25	25	20			30	35	90	35	25	36	96	300
ISP	DSP				0				0				0				0	0
BSP	RSP	75	80	76	231	60	55	60	175	70	60	60	190	56	60	59	175	771
TOTAL 90 95 90 275 85 80 80 245 95 90 95 280 91 85 95 271 1071    SSL   10   10   6   26   6   6   6   18   6   6   6   18   6   6   6   6   18   80	-				0				0				0				0	0
STATE   STAT	$\vdash$																	
BSL   10   10   6   26   6   6   6   18   6   6   5   18   6   6   6   18   80     DSP   50   50   50   50   50   50   50   5	TOTAL	90	95	90	275	85	80	80			90	95	280	91	85	95	271	1071
DSP   SO   SO   SO   SO   SO   SO   SO	RSI	10	10	6	26	6	6	6			6	6	18	6	6	6	18	80
ISP   185   190   189   564   164   164   159   487   194   189   194   577   194   184   194   572   2200     BSP														_				
BSP	RSP				0				0				0				0	0
TOTAL 245 250 245 740 220 220 215 655 250 245 250 745 250 230 250 730 2870    MANOHAPUR-FINES    BSL   15   15   15   45   15   15   15   45   15   1	ISP	185	190	189	564	164	164	159	487	194	189	194	577	194	184	194	572	2200
BSL   15   15   15   45   15   15   15   45   15   1	BSP				0				0				0				0	0
BSI         15         15         45         15         15         15         45         15         15         45         15         15         45         15         15         45         15         10         15         40         175           DSP         0<	TOTAL	245	250	245	740	220	220					250	745	250	230	250	730	2870
DSP   16   17   16   49   17   17   16   50   17   16   17   50   17   17   17   51   200     SSP   16   17   16   49   17   17   16   50   17   16   17   50   17   17   17   51   200     SSP   0	DC!	45	46	45	45	45	45					45	45	45	40	45	40	436
RSP 16 17 16 49 17 17 16 50 17 16 17 50 17 17 17 51 200   ISP 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		12	15	12		12	12	15		15	15	15		15	IU	15		
ISP	-	16	17	16		17	17	16		17	16	17		17	17	17	_	
BSP         O	-																	
TOTAL- FINES           BSL         440         444         388         1272         381         376         339         1096         381         441         381         1203         386         383         411         1180         4751           DSP         226         237         206         669         225         235         225         685         233         223         213         669         223         212         223         658         2681           RSP         392         444         440         1276         374         394         369         1137         404         323         419         1146         379         362         404         1145         4704           ISP         275         285         259         819         254         254         249         757         264         259         264         787         274         269         278         821         3184           BSP         100         100         300         100         100         300         100         100         300         100         100         300         100         100         300         100         100<	BSP				0				0		h		0				0	0
BSL       440       444       388       1272       381       376       339       1096       381       441       381       1203       386       383       411       1180       4751         DSP       226       237       206       669       225       235       225       685       233       223       213       669       223       212       223       658       2681         RSP       392       444       440       1276       374       394       369       1137       404       323       419       1146       379       362       404       1145       4704         ISP       275       285       259       819       254       254       249       757       264       259       264       787       274       269       278       821       3184         BSP       100       100       100       300       100       100       300       100       100       300       100       100       300       100       100       300       100       100       300       100       100       300       100       100       300       100       100       300       100	TOTAL	31	32	31	94	32	32	31	95	32	31	32	95	32	27	32	91	375
DSP         226         237         206         669         225         235         225         685         233         223         213         669         223         212         223         658         2681           RSP         392         444         440         1276         374         394         369         1137         404         323         419         1146         379         362         404         1145         4704           ISP         275         285         259         819         254         249         757         264         259         264         787         274         269         278         821         3184           BSP         100         100         100         100         100         300         100         100         300         100         100         300         1200           TOTAL         1433         1510         1393         4336         1334         1359         1282         3975         1382         11366         1377         4105         1362         1316         1416         4104         16520									TOTAL	- FINES								
RSP 392 444 440 1276 374 394 369 1137 404 323 419 1146 379 362 404 1145 4704 ISP 275 285 259 819 254 254 249 757 264 259 264 787 274 269 278 821 3184 BSP 100 100 100 300 100 100 100 300 100 100	BSL	440	444	388	1272	381	376	339	1096	381	441	381	1203	386	383	411	1180	4751
ISP     275     285     259     819     254     254     249     757     264     259     264     787     274     269     278     821     3184       BSP     100 <td></td> <td></td> <td></td> <td></td> <td></td> <td>225</td> <td></td> <td>225</td> <td></td>						225		225										
BSP         100         100         100         300         100         100         100         300         100         100         300         100         100         300         100         100         100         300         1200           TOTAL         1433         1510         1393         4336         1334         1359         1282         3975         1382         1346         1377         4105         1362         1326         1416         4104         16520									-									
TOTAL 1433 1510 1393 4336 1334 1359 1282 3975 1382 1346 1377 4105 1362 1326 1416 4104 16520							-											
								_										
	IUIAL	1433	1210	1393	4336	1334	1359	1282	<b>39/5</b>		1	15/7	4105	1362	1326	1416	4104	10250

#### **DESPATCH PLANNING FOR 2019-20**

	Apr-19	May-19	Jun-19	QTRI	Jul-19	Aug-19	Sep-19	IRON O			Dec-19	QTR 3	Jan-20	Feb-20	Mar-20	QTR 4	19-20
								BURU- I									
BSL	105	115	110	330	85	85	80	250	90	100	120	310	105	110	104	319	1209
DSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSP	220	205	205	630	145	160	130	435	165	160	185	510	170	160	186	516	2091
ISP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSP	100	100	100	300	100	100	100	300	100	100	100	300	100	100	100	300	1200
TOTAL	425	420	415	1260	330	345	310	985	355	360	405	1120	375	370	390	1135	4500
BSL	130	148	170	448	135	135	121	391	115	MP+ FIN 105	135	355	135	110	115	360	1554
DSP	16	12	16	44	0	133	0	0	8	8	8	24	8	7	8	23	91
RSP	150	150	135	435	155	175	165	495	160	160	160	480	155	140	150	445	1855
ISP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	296	310	321	927	290	310	286	886	283	273	303	859	298	257	273	828	3500
101112	250	320				310		LANI- L			303	033	230	23,		020	
BSL	190	175	85	450	130	95	101	326	159	125	75	359	165	125	145	435	1570
DSP	260	300	250	810	280	315	299	894	301	273	281	855	295	296	310	901	3460
RSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISP	135	140	110	385	135	135	130	400	110	115	91	316	120	125	124	369	1470
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	585	615	445	1645	545	545	530	1620	570	513	447	1530	580	546	579	1705	6500
							ВА	RSUA-L	UMP+ F								
BSL	135	150	135	420	165	170	143	478	140	220	150	510	75	150	140	365	1773
DSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSP	30	75	80	185	60	55	72	187	80	0	75	155	65	55	80	200	727
ISP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	165	225	215	605	225	225	215	665	220	220	225	665	140	205	220	565	2500
[								LDIH- L									( '2.2' )
BSL	40	40	43	123	35	30	40	105	45	45	45	135	55	40	52	147	510
DSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSP	38	40	35	113	45	50	38	133	35	35	35	105	24	37	28	89	440
ISP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	78	80	78	236	80	80	78	238	80	80	80	240	79	77	80	236	950
BSL	60	60	E0.	179	70	70	55	ALTA- LU 195			90	230	90	65	80	225	829
DSP	0	60	59	0	0	0	0	193	70 0	80	80	0	80	0	0	0	0
RSP	135	140	136	411	120	105	115	340	120	120	120	360	121	120	119	360	1471
ISP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	195	200	195	590	190	175	170	535	190	200	200	590	201	185	199	585	2300
TOTAL	193	200	193	330	190	1/3		UA- LU			200	390	201	103	199	363	2300
BSL	20	14	6	40	12	6	6	24	11	11	21	43	21	21	21	63	170
DSP	77	70	85	232	85	70	65	220	80	78	65	223	65	50	60	175	850
RSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISP	243	266	254	763	208	224	229	661	259	251	264	774	264	249	269	782	2980
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	340	350	345	1035	305	300	300	905	350	340	350	1040	350	320	350	1020	4000
							MANC	HARPU	R- LUMI	P+FINES							
BSL	25	22	30	77	21	27	22	70	20	20	20	60	26	20	28	74	281
DSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RSP	16	17	16	49	17	27	16	60	17	16	17	50	17	17	17	51	210
ISP	21	13	16	50	26	22	24	72	27	26	27	80	21	17	19	57	259
BSP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	62	52	62	176	64	76	62	202	64	62	64	190	64	54	64	182	750
							T(	OTAL- LL	JMP+FII	VES							
BSL	705	724	638	2067	653	618	568	1839	650	706	646	2002	662	641	685	1988	7896
DSP	353	382	351	1086	365	385	364	1114	389	359	354	1102	368	353	378	1099	4401
RSP	589	627	607	1823	542	572	536	1650	577	491	592	1660	552	529	580	1661	6794
ISP	399	419	380	1198	369	381	383	1133	396	392	382	1170	405	391	412	1208	4709
BSP	100	100	100	300	100	100	100	300	100	100	100	300	100	100	100	300	1200
TOTAL	2146	2252	2076	6474	2029	2056	1951	6036	2112	2048	2074	6234	2087	2014	2155	6256	25000
										1	9						

Iron Ore Fines Linkages for Sinter& Pellets 2019-20

C	1	•
	1	ī
ŀ		=
Ę	_	
4	2	5
ī	7	=
٠	,	,
ŕ	٠	•
2	-	:
ţ	_	,
L	1	_
Ł	1	)
Ĺ	i	į
=	2	,
•	E	
i	ī	_
Ξ		-
L	1	1
Ć	١	•
-	ï	₹
Ç		J
-		
4	٤	5
ť	_	١
3		;
5	•	Ė
-		-

4386	2600	4318	3091	1200	15595		365	81	386	93	925
1121	029	1048	786	300	3925		56	21	96	23	235
376	230	360	275	100	1341		32	7	35	8	85
382	215	328	251	100	1279		08	7	31	2	52
360	572	360	260	100	1305		08	2	30	8	22
1120	099	1075	770	300	3925		56	70	56	23	233
380	230	398	240	100	1315		08	2	32	2	6/
370	202	350	260	100	1285	PELLETS	32	9	30	8	6/
370	522	098	270	100	1325	S FOR	08	2	08	8	5/
1065	645	1085	260	300	3855	ON ORE FINES FOR PELLETS	<b>58</b>	20	56	23	223
340	220	350	260	100	1270	IRON C	52	2	90	8	0/
322	572	382	260	100	1325		08	2	32	8	08
370	700	320	240	100	1260		08	9	30	7	23
1080	625	1110	775	300	0688		06	20	100	24	234
365	210	370	255	100	1300		08	2	08	8	52
375	225	375	270	100	1345		30	2	32	8	80
340	190	365	250	100	1245		30	9	32	8	6/
BSL	DSP	RSP	ISP	BSP	Fines		BSL	DSP	RSP	ISP	Fines



## **MONTHLY PLAN OF ROM FOR FY 2019-20**

**UNIT- 000 T** 

	19-20		4500		3850		6500		2740		950		2300		4000		750		25590	
	QTR 4		1215		006		1780		625		236		585		1020		182		6543	
	Mar-20		420		310	:	610		240		80		199		350		64		2273	
	Feb-20		390		280		260		225		77		185		320		54		2091	
	Jan-20		405		310		610		160		79		201		350		64		2179	
	QTR 3		1120		1002		1550		725		240		009		1040		190		6467	
	Dec-19		405		315		340		245		80		200		350		64		1999	
	Nov-19		360		337		595		240		80		200		340		29		2214	
MINES	Oct-19	IRU	355	<b>FUBURU</b>	350	N	615	NΑ	240	Н	08	Y.	200	1	350	IA	64	0	2254	
IRON ORE MINES	QTR2	KIRIBURU	930	MEGHAHATUBURU	983	BOLANI	1590	BARSUA	725	TALDIH	238	KALTA	525	GUA	910	CHIRIA	190	RMD	6091	
<b>I</b>	Sep-19		290	2	319		520		235		78		170		300		62		1974	
	Aug-19		320		332		535		245		80		175		305		64		2056	
	Jul-19		320		332		235		245		80		180		305		64		2061	
	QTR I		1235		965		1580		999		236		590		1030		188		6489	
·	Jun-19		395		350		370		235		78		195		340		62		2025	
	May-19		420		315		615		245		80		200		350		64		2289	
	Apr-19		420		300		595		185		78		195		340		62		2175	
			ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)		ROM(TOT)	



Annexure-6

**DEPARTMENTAL MONTHLY PLAN OF WASTE REMOVAL FOR FY 2019-20** 

**UNIT- 000 T** 

ı				1				1	Γ	1				1				I	_
	19-20		2000		2800		1600		750		0		0		1400		0		8550
	QTR 4		099		780		390		150		0		0		380		0		2360
	Mar-20		230		280		130		20				0		130		0		820
	Feb-20		200		220		120		20				0		120		0		710
	Jan-20		230		280		140		20				0		130		0		830
	QTR 3		089		740		440		150		0		0		360		0		2370
	Dec-19		230		260		180		50				0		120		0		840
	Nov-19		220		760		130		20				0		120		0		780
E MINES	Oct-19	URU	230	<b>ATUBURU</b>	220	ANI	130	SUA	20	ЫН	·	.TA	0	Αſ	120	RIA	0	ĮD	750
IRON ORE MINES	QTR2	KIRIBURU	150	MEGHAHATUBURU	510	BOLANI	420	BARSUA	150	TALDIH	0	KALTA	0	GUA	300	CHIRIA	0	RMD	1530
	Sep-19		20		170		120		20				0		100		0		490
	Aug-19		50		170		120		20				0		100		0		490
	Jul-19		50		170		180		50				0		100		0		550
	QTR I		510		770		350		300		0		0		360		0		2290
	Jun-19		50		270		110		100				0		120		0		650
	May-19		230		250		120		100				0		120		0		820
	Apr-19		230		250		120		100				0		120		0		820
I			OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)		OB(DEPT)

ABO.

## Aamexure-7

_
$\succeq$
=
⋖
$\supset$
Q
Δ,
Σ
Ξ
⊐
L
ō
ă
2
4
>
⋖

	AVFRA	AVFRAGF LUMP QUALITY	UALITY		;
Fe%	8102%	AL203%	05	NS	Gangue%
62.50	3.00	2.50	10.00	10.00	5.50
62.50	3.40	2.60	10.00	10.00	6.00
62.50	2.80	2.50	10.00	10.00	5.30
62.50	2.90	3.00	10.00	10.00	5.90
62.50	2.40	2.40	5.00	10.00	4.80
63.00	2.10	2.30	5.00	10.00	4.40
62.50	3.00	2.20	10.00	10.00	5.20
63.00	2.00	2.20	10.00	10.00	4.20
62.29	2.77	2.47	9.08	10.00	5.24

### **BLFND LUMP**

	FF%	S102%	AL203%	OS	sn	A1203+Si02	A1203/Si02
BSL	62.60	2.79	2.57	8.89	10.00	2:36	0.92
DSP	62.50	2.83	2.45	10.00	10.00	5.28	0.87
RSP	62.67	2.70	2.47	7.94	10.00	5.16	0.91
ISP	62.58	2.77	2.30	10.00	10.00	90'5	0.83
ВЅР	-	-	-	1	-	-	-

## **AVERAGE FINES QUALITY**

	%ə4	8102%	AL203%	05	SN	Gangue%
KIOM	62.50	3.40	2.60	5.00	30.00	00'9
MIOM	62.00	4.00	2.50	5.00	30.00	6.50
BOLANI	62.50	2.90	2.80	2.00	30.00	5.70
BARSUA	62.00	3.50	3.00	5.00	30.00	6.50
TALDIH	62.00	3.00	3.00	5.00	40.00	90.9
KALTA	63.00	2.40	2.50	5.00	40.00	4.90
GUA	62.50	3.00	2.70	2.00	40.00	5.70
CHIRIA	63.00	2.40	2.60	5.00	40.00	2.00
Total	65.39	3.22	2.70	2.00	32.99	5.91

### **BLEND FINES\***

	FE%	8102%	AL203%	08	US	A1203+5i02	A1203/Si02
BSL	62.30	3.31	2.73	5.00	31.88	9:05	0.83
DSP	62.48	2.96	2.77	5.00	32.20	5.73	0.94
RSP	62.34	3.38	2.63	5.00	32.66	6.01	0.78
ISP	62.50	2.97	2.73	5.00	36.91	5.70	0.92
BSP	62.50	3.40	2.60	5.00	30.00	6.00	0.76

\* Includes Fines linked for pellets conversion



Annexure - 8

FLUX MINES PRODUCTION PLAN 2019-20

All Units in 000 tonnes

	ug-19 Sep-19 QTR2 Oct-19 Nov-19 Dec-19 QTR3 Jan-20 Feb-20 Mar-20 QTR4 19-20		310 1200		65 210
	Mar-20 (		105		22
	Feb-20		100		21
	Jan-20		105		22 <b>62</b> 22
	QTR 3		310		<b>79</b>
ON WHITE I WODONIA ENTREDED TO	Dec-19		105		77
,	Nov-19		100		70
	Oct-19	KUTESHWAR	105	TULSIDAMAR	20
	QTR2	KUTES	280	TULSID	48
	Sep-19		96		16
	Aug-19		92		16
	Jul-19		65		16
	QTRI		300		32
	-19		100		15
	սոր				
	May-19 Jun-19 QTR I		100		10
	Apr-19 May-19 Jun		100 100		10 10

2019-20	
Z	
4	
4	
=	
古	
ĭ	
4	
9	
ES	
۵	
ш	1
Z	į
ā	
E	
ES	ĺ
¥	į
2	

								֚֡֝֝֝֝֜֜֝֝֝֟֜֜֝֝֓֜֝֝֓֜֝֝֓֓֓֓֡֝֜֜֜֜֝֓֡֝֜֜֝֡֡֓֜֝									
	Apr-19		May-19 Jun-19	QTR I	91-lut	Aug-19	Aug-19 Sep-19	QTR2	Oct-19	Nov-19	Oct-19 Nov-19 Dec-19 QTR 3	QTR 3	Jan-20	Feb-20 Mar-20 QTR 4 19-20	Mar-20	QTR 4	19-20
									KUTESHWAR								
BSL	40	40	40	120	40	40	40	120	40	40	40	120	40	40	40	120	480
DSP	8	4	4	16	8	4	8	20	8	8	7	20	4	9	4	14	20
RSP	8	12	12	32	4	8	8	70	16	12	20	48	16	14	70	50	150
ISP				0				0				0				0	0
BSP	44	44	44	132	40	40	40	120	40	40	40	120	44	40	44	128	200
TOTAL	100	100	100	300	6	92	96	280	104	100	104	308	104	100	108	312	1200

to