

Schedule-V:Information Memorandum/ Mine Block Summery

Part A - General Information about Mineral Block		
Sl No	Features	Details
1	Location	
a	Name of the mine	Bellary Iron Ore Mine
b	Name of the erstwhile lessee and Mine Lease(M.L.) Number	M/s. Tungabhadra Minerals Pvt. Ltd, M.L. No 2365 (also referred to as M/s. Tungabhadra Minerals Ltd in various records)
c	Latitude-Longitude	Between Longitudes 76 ⁰ 37'25.38" and 76 ⁰ 37'26.66" and Latitudes 15 ⁰ 06'43.63" and 15 ⁰ 06'41.26".
d	Co-ordinates of Corner Points as per Total Station	LBS- 1=(15696.05),(10048.302) LBS- 2=(15083.857),(10461.772) LBS- 3=(15133.945),(10512.825) LBS- 3A=(15193.951),(10504.387) LBS- 3B=(15295.693),(10490.853) LBS- 3C=(15433.042),(10489.752) LBS- 4=(15567.686),(10486.164) LBS- 4A=(15835.654),(10455.797) LBS- 5=(15998.53),(10430.538) LBS- 6=(15927.671),(9411.38) LBS- 7=(15709.936),(9265.201) LBS- 10=(16408.656),(8886.299) LBS- 11=(16481.942),(8518.658) LBS- 13=(15864.117),(8256.479) LBS- 14=(15201.703),(9857.196) LBS- 16=(16772.19),(6034.946) LBS- 17=(16970.379),(5654.99) LBS- 18=(16979.163),(5287.961) LBS- 19=(16442.504),(5352.698) LBS- 20=(16508.17),(6080.787)

e	<p>Latitude, Longitude of Corner Points as per DGPS</p>	<p>TM_LBC-1 =(N15°06'49.633"),(E76°37'44.275") TM_LBC-2 =(N15°07'00.706"),(E76°37'22.378") TM_LBC-3 3=(N15°07'02.542"),(E76°37'23.850") TM_LBC-3A 3A=(N15°07'02.493"),(E76°37'25.878") TM_LBC-3B =(N15°07'02.436"),(E76°37'29.312") TM_LBC-3C =(N15°07'02.912"),(E76°37'33.884") TM_LBC-4 =(N15°07'03.310"),(E76°37'38.376") TM_LBC-4A =(N15°07'03.326"),(E76°37'47.401") TM_LBC-5 =(N15°07'03.119"),(E76°37'52.920") TM_LBC-6 =(N15°06'29.876"),(E76°37'54.356") TM_LBC-7 =(N15°06'24.369"),(E76°37'47.650") TM_LBC-10 10=(N15°06'14.641"),(E76°38'12.312") TM_LBC-11 11=(N15°06'03.023"),(E76°38'16.108") TM_LBC-13 13=(N15°05'52.302"),(E76°37'56.536") TM_LBC-14 =(N15°06'41.671"),(E76°37'28.538") TM_LBC-16 16=(N15°04'43.832"),(E76°38'35.145") TM_LBC-17 17=(N15°04'32.266"),(E76°38'43.145") TM_LBC-18 =(N15°04'20.424"),(E76°38'44.815") TM_LBC-19 19=(N15°04'20.578"),(E76°38'26.720") TM_LBC-20 20=(N15°04'44.341"),(E76°38'26.172")</p>
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f	Village	Ittanahalli
g	Tehsil/ Taluka	Sandur
h	District	Bellary
i	State	Karnataka
2	Area (hectares/square kilometres)	
a	Total area in Ha.	130.53
b	Mineralised Area in Ha.	12.6583
c	Non-mineralised Area in Ha. Including non-approachable area	117.87
3	Exploration	
a	Status (G1/G2/G3/G4 etc.)	G1 level as per Minerals (Evidence of Mineral Contents) Rules, 2015.
b	Exploration Agency	MECL
c	Total Number of Boreholes (Core + RC)	40 Nos (04+36)
d	Total Meterage of drill	2588.5 metre
e	Borehole Spacing (Grid pattern) in metres	100 X 100, 100X200
f	Current R.L.Of the Mine (Highest & Lowest)	Part I: 947.729 metre & 792.761 metre Part II: 957.227 metre & 770.170 metre
4	Quantity of Minerals (Grade-wise)	
a	Iron Ore	Part I: Avg Fe content: 58.76 % Part II: Avg Fe content: 51.56
	Others (if any)-1	Laterite
	Others (if any)-2	Ferugenious Clay
b	Total Geological Resources of Iron Ore	Part I: 29.712 Million Metric Tonnes Part II: 4.178 Million Metric Tonnes
C	Value of Estimated resources of the Concession area in Indian Rupees	69796789155.00

5	Mineralised Zones	
a	Number of Mineral Zones	Please refer Geological Report
b	Nature of Ore	i) Lateritic ore, Haematitic ore, soft laminated ore, Powdery ore, Blue dust and siliceous ore. ii) Waste type / OB / IB - Laterite, Ferruginous Clay and BHQ.
c	Trend (Dip and Strike)	64 ⁰ to 67 ⁰ towards NE
d	Avg. Strike Length	Part I: 1700 metre Part II: 710 metre
e	Avg. Width	Part I: 200- 300 metre Part II: 250- 300 metre
f	Avg. Depth	The iron ore band persists even beyond the explore depth is evitable as could be visualized from the geological cross sections S-3, S-5, S-7, S-9, S-13, S-15, SS-3 and SS-7 of the Geological Report.
g	Intercalation	Ferruginous clay and Banded Haematite Quartzite.
h	Specific Gravity of Ore	3.5
i	Approximate cost of R&R as per Provisional R&R Plan (in Lacs)	567.13 (combined cost of M.L.No. 2365 & 2366)
6	Accessibility	
a	Road	20 km from Sandur town which can be approached from Bellary, Hospet, Donimalai and from Toranagallu railway station.
b	Nearest Rail Head	Banihatti Railway siding
c	Airport	Hubli
7	Hydrography	
a	Local Surface Drainage Pattern (Channels)	Dendritic drainage pattern
b	Rivers/Streams	Tungabhadra river
c	Depth of water level	7.83 metre

8	Climate	
a	Mean Annual Rainfall	40 to 80 cm
b	Temperatures (December)	21 ⁰ to 26 ⁰
c	Temperatures (June)	24 ⁰ to 29 ⁰
9	Topography	Undulating topography
a	Topo Sheet Number	57 A/12
b	Morphology of the Area	Hilly terrain

Part B - Particulars of Clearances, Consents, Concessions and Consents related to Mining Operation

	Particulars	Details/Status
1	Forest clearance for leased area	No:8-46/96-FC (Vol.I) issued on 24.03.2006 for 125.58 ha. by Government of India.
2	Wild life clearance (sanctuary, reserve or special zone clearances)	Not applicable
3	Environmental clearance (EC)	J-11015/16/2007-IA-II (M) by MoEF, Government of India dated 13.05.2008 for 1.25 Million Metric Tonnes per annum.
4	Approval of Mine Plan from IBM	To be obtained afresh by successful bidder from IBM
5	Consent for establish (CFE)	To be obtained afresh by successful bidder from KSPCB
6	Consent for Operate (CFO)	To be obtained afresh by successful bidder from KSPCB
7	Permission for mine opening	To be obtained afresh by successful bidder from competent authority.
8	Permission of installation/ trial operation of equipment.	To be obtained afresh by successful bidder from competent authority.
9	Ground water clearance (Centre/State)	To be obtained afresh by successful bidder from competent authority.

10	Railway siding approval	To be obtained afresh by successful bidder from competent authority.
11	Approval for diesel storage	To be obtained afresh by successful bidder from competent authority.
12	Power line from State Discom	To be obtained afresh by successful bidder from competent authority.
13	Clearances relating to work under an existing transmission line or shifting of the transmission line	To be obtained afresh by successful bidder from competent authority, if applicable.
14	<i>Grama Sabha</i> consent	To be obtained afresh by successful bidder from competent authority, if applicable.
15	Others (if any)	To be obtained afresh by successful bidder from competent authority, if applicable.

Part C - Particulars of Land

	Area	Details
1	Total Concession Area	130.53 Ha.
2	Forest Land with Status	130.53 Ha. in Donimalai range
3	Government Land with Status	Not applicable
4	Private land with Status	Not applicable
5	Revenue survey details of the area	Not applicable

Part D - Other details

	Particulars	Details
1	Geological report of the Concession Area	To be provided along-with the mine specific Tender Document
2	Provisional R&R Plan of the Concession Area	To be provided along-with the mine specific Tender Document