

**SCHEME OF MINING
FOR NAVALUTTI IRON ORE MINES,
OF M/S. H.R.GAVIAPPA & COMPANY
M.L.NO.2483, EXTENT OF 34.00 HECTARES (INCLUDING 2.00 HECTARES
OF APPROACH ROAD)/32.340 HECTARES AS PER CEC SKETCH SITUATED
IN NAVALUTTI VILLAGE, SANDUR TALUK, BELLARY DISTRICT,
KARNATAKA STATE**



INTRODUCTION:

The Mining Lease "Navaluti Iron Ore Mine" M.L.No.2483 is granted in favor of M/s.H.R.GAVIYAPPA & COMPANY over an extent of 34.00 Hectares (Including 2.00 Hectares of approach road) at Navaluti Village, Sandur Taluk, Bellary District, in the State of Karnataka. The lease was first granted in the year 1956 & subsequently regularly renewed and the last renewal executed is on 2nd April 2005 for a period of 14 years and is valid w.e.f. from 24.04.2002 to 17.10.2016. The mining lease deed copy is enclosed as **Annexure-01A**.

The lease area as per the mining lease deed sanctioned is 32 ha for mining and 2.0 ha for approach road. The lease is in Forest land and Forest Clearance has been granted for an area of 34 ha. The forest clearance (FC) copy is enclosed as **Annexure-01E**. The Environmental Clearance from Govt. of India under Environmental Impact Assessment as per S.O. 1533 dated 14.09.2006, is obtained vide MOEF clearance letter No.J-11015/413/2005-IA. II(M) dated 5th June, 2006., the copy is enclosed as **Annexure-01D**. The aforesaid area is found to be mineralized with presence of Iron ore.

As per the details available, the Mining Lease (ML) was first granted in 1956 for 20 years & first renewal of the lease was for 5 years w.e.f. 18.10.1976 as ML No 1408. The Second renewal of the lease was for 5 years w.e.f. 18.10.1981 & was executed as ML No 1793. Third renewal of the lease was for 10 years w.e.f. 18.10.1986 and executed with ML No 2054.

Scheme of mining is approved
subject to conditions laid down
in letter No. 279/150/90 BNG

Dt. 26/02/2014

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The Fourth renewal of the lease was for 5 years 6 months *w.e.f.* 18.10.1996 was executed as ML No 2247 over an area of 32.00 ha. The Fifth renewal of the lease for 14 years 6 months *w.e.f.* 24.04.2002 to 17.10.2016 was executed as ML No 2483 over an extent 34.00 ha, including 2.0 ha of approach road area.

The mine was in operation till 29th July 2011, after which mining activities were suspended due to blanket ban as per the orders of the Hon'ble Supreme Court.

The earlier Scheme of Mining was prepared under Rule 12 of MCDR 1988 and approved vide letter No.MS/BLR/fe-83-SZ dated 16.11.2006, and modified

Scheme of Mining under Rule 10(2) of MCDR 1988 was approved vide letter No. MS/BLR/FE-83-SZ/575 dated 20.04.2010. The copies of the approval letter of Scheme of Mining and Modified Scheme of mining is enclosed as **Annexure-01B.**

The earlier Scheme of Mining was valid from 2006-07 to 2010-11 and further Scheme of Mining had to be submitted for the period 2011-12 to 2015-16. The Draft copies of the Scheme of Mining were submitted to Indian Bureau of Mines on 23rd May 2011 and mining activities were subsequently suspended due to blanket ban order of Hon'ble Supreme Court. Thus the Scheme of mining was not further processed and is now again being submitted for approval after the Honorable Supreme Court Order lifting the ban & as per the maximum production capacity conferred by the Reclamation & Rehabilitation Plan (R & R Plan) prepared by Indian Council of Forest Research & Education (ICFRE) & approved by CEC Constituted by the Supreme Court. The recommendations of the Central Empowered Committee (CEC) after the joint survey on 26th June 2011 have categorized the mine under "B" Category. Based on the findings the lease deed sketch is found to be 32.34 Ha & the details of the survey are given in the Joint survey sketch enclosed as **Plate No. 02C.** The R & R has been prepared & approved for sustainable production capacity of 1.05 lac tones/annum considering the factors like iron ore reserves, dumps capacity, road capacity and the earlier

damages caused to the environment, the engineering & biological measures for management of the degraded areas & overburden dumps/sub grade dumps, drainage system etc., is also incorporated in this Scheme of Mining. Thus the present Scheme of Mining for the balance period of 2011-2016 (for the balance period 2013-14 to 2015-16) is being submitted for maximum saleable production of Iron Ore with a capacity of about 1.05 lakh tonnes/annum for approval as per the CEC Reclamation & Rehabilitation plans recommendations. The copy of Mahazar report and Notice form Department of Mines & Geology R & R recommended production quantity letter copy enclosed **Annexure-01G**.

M/s. H. R. Gaviappa & Company intend to produce Iron ore from the subject lease area for their captive steel plant - **HRG Alloys & Steel Pvt. Ltd.**, an Integrated Steel plant of 300TPD capacity and also for other local domestic Steel & Sponge Iron Plants. The requirement of iron ore per annum for the captive steel plant is about 1.75 lac tons.

The geological studies in the existing lease area of Iron Ore Mine has indicated common geological setup of the area & the factors like strike & dip, topography, mine workings and other structural features which have bearing on the assessment of the subject area confirms & proves the availability of Iron Ore.

In compliance to the proposals of exploration during the scheme period, exploration by DTH drilling was undertaken after prior intimation to Indian bureau of Mines under Rule 47 of MCDR-1988 and copy of the Form-J and Form-K is enclosed as **Annexure-01F**. The results & data obtained and furnished by the lessee from the drilled bore holes (DTH Drilling), geological investigations and exposed benches in working pit clearly visible have thus formed the basis for preparation of this Scheme of mining. The detailed exploration as per IBM guidelines shall be completed in a time bound manner by Core/RC drilling within this Scheme Period.

The lessee is holding one lease and no other Mining Leases in India. The copy is enclosed as **Annexure-02D**. The Latitude & Longitude of the three ground

control points which are located outside the lease as per Circular No.2/2010 are linked to one of the boundary point & it is incorporated in the Surface & Geological Plans and photographs of the same are also enclosed.

Table 01 - Latitude & Longitude of the three ground control points

Sl. No.	Ground Control Points	Latitude	Longitude	Remarks
1	GCP-1	N15° 01' 30.6"	E76° 38' 07.7"	'D' boundary point 606m towards SE directions of Pachamma Gudi/Temple.
2	GCP-2	N15° 01' 31.2"	E76° 38' 02.6"	'D' boundary point 617m towards SW directions of Culvert.
3	GCP-3	N15° 01' 30.7"	E76° 37' 55.1"	'D' boundary point 567m towards South directions of Sy.no.32,30 &19 of Navlalluti Village.

The prominent physiographic features, drainage pattern, water courses, PWD Roads are shown on all the plans and railway lines is shown on the key plan. The entire lease area and buffer zone falls in revenue & non-forest area. A study of the existing environmental scenario, assessment of impact on the environment due to the proposed mining operations and Environmental Management plan to mitigate adverse impacts and enhance beneficial impacts have also been incorporated in the Environmental Management Plan.

Thus, the Scheme of Mining & Progressive Closure Mining Plan for balance period (2011-12 to 2015-2016) is prepared under Rule 12(3) of MCDR 1988 & Rule 23(3) MCDR 1988 and is submitted to Indian Bureau of Mines, Bangalore for approval.

Brief Summary of Reclamation & Rehabilitation Plan : The Reclamation & Rehabilitation Plan (R&R) for sustainable management of environment has been formulated by Indian Council of Forestry Research and Education (ICFRE), Dehradun & the scope of the study include assessment of existing scenario and collection and analysis of environmental data pertaining to mining and allied activities such as topography of the area, production