

**MCDR INSPECTION REPORT OF TASK FORCE  
ON PREVENTION OF ILLEGAL MINING  
INDIAN BUREAU OF MINES  
MINES CONTROL & CONSERVATION OF MINERALS DIVISION**

File No: KRL/ALP/SS/115/BNG

Mine Code: **54KRL01104**

1	Name of Inspecting Officer with designation	V. Jaya Krishna Babu, Regl. Controller of Mines and V.D Jalnapurkar, Senior Mining Geologist.
2	Name & designation of State Govt. Officer accompanying during inspection	Shri Raman Namboothiri, Geologist, state DMG
3	Name & designation of accompanying mine official	Shri Udayan, Lessee's representative
4	Date of inspection	17.03.2014

**PART – I GENERAL INFORMATION**

1 (a)	Name of mine	Thannermukkum silica sand mine
(b)	Category of mine A (Fully mechanized or other than fully mechanized and B	B-Manual
(c)	Mode of working (OC/UG/Both).	Open-cast
2 (a)	Mining Lease No.	GOMs No.107/2003/ID
(b)	Lease area in Ha With forest area if any	1.7625 Ha (Non-forest)
(c)	Period of lease	15 years
(d)	Date of expiry	27.01.2019
3 (a)	Mineral(s) included in the lease deed	Silica sand
(b)	Mineral(s) worked	Silica sand
4 (a)	Name of Lessee / Owner	Smt. M Jayasree
(b)	Nominated Owner	Smt M Jayasree
(c)	Agent	None
(d)	Mining Engineer and Geologists appointed under Rule 42 of MCDR 1988	None
(e)	Mine's Manager	None
5	Details about Mining Plan/Scheme of mining Scheme with letter no date of approval and validity etc	Mining Plan was approved vide letter No 9003/M2/03 dated /01.2004 for financial period from 2005-06 to 2009-10. Subsequent scheme of mining has not been submitted.

## PART – II – TECHNICAL DETAILS

l) Sensitive technical items on conservation of mineral, scientific mining and protection of environment – status of Present Mining Operations vis-à-vis approved proposals of mining plan / Scheme of Mining:----

### 1) Scientific mining

**i) Exploration:** No exploration neither proposed nor carried out. The trend and occurrence of deposit could easily be assessed from exposure in the existing pit as there is no OB.

**ii) Workings:** During inspection, it was observed that the mining operations are being carried out with the approved document. Subsequent scheme of mining has not been submitted to the officer authorized by the State Government. Half of the lease area has been partly back filled with red soil. The dimensions of existing current pits are viz 1) 40m X 20 m X 2.5m and 2) 15mx 6m x 3m. Mining is being carried manually with pickaxes & crowbars. There is no OB and no drilling & blasting required.

### iii) Production and Development:

Year	Production in tons		Development in tons		Remarks
	Proposed	Actual	Proposed	Actual	
2010-11	Nil	4810	--	--	--
2011-12	Nil	3200	--	--	--
2012-13	Nil	2790	---	--	--
2013-14	Nil	390 (Up to jan-14)	--	--	--

**vi) Waste Disposal:** There is no generation of waste.

**2. Conservation of Mineral:** There is no problem of conservation of mineral as there is no sub-grade existing.

**3. Environmental Aspects:** The details of plantation carried out in the mine are furnished below.

Year	No of saplings proposed	Actual no. of saplings planted
<b>2010-11</b>	No specific proposals	--
<b>2011-12</b>	--do--	--
<b>2012-13</b>	--do--	--
<b>2013-14</b>	--do--	--

There is no adverse impact on air, water and noise inside the ML area because mining is being carried out **on a small scale**. The excavated pit areas are backfilled by filling up with red-soil purchased by lessee.

**II) A note on justification in case of suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 if recommended:---**

Mining Plan of the mine which was approved in January 2004 had expired but the subsequent Scheme of Mining has not been submitted under the rule to the officer authorized by the State Government at least One hundred twenty days (120) before the expiry of five years period for which it was approved on the last occasion but the mining operations are being carried out without approved document and it was also noticed that the excavation has been carried out in the safety barrier of 20m along Eastern boundary perimeter i.e Panchayat Road to Kalikulam Village.

The lessee has not submitted the financial assurance to the Regional Controller of Mines or the officer authorised by the State Government along with the progressive mine closure plan.

**III) Any other matter of significance:** No statutory personnel employed at the mine i.e Mines Manager and Mining Engineer.

**PART – III PROPOSAL FOR FURTHER ACTION FOR**

(a)	<b>Indian Bureau of Mines</b>	NIL
(b)	<b>The State Govt.</b>	The boundary pillars of ML have not been properly erected /maintained.
(c)	<b>The Central Govt.</b>	NIL

(Raman Namboothiri)  
Geologist of DMG &  
Team Member

(V.D Jalnapurkar)  
Senior Mining Geologist &  
Team Member, IBM

(V. Jaya Krishna Babu)  
Regl. Controller of Mines &  
Team Leader, IBM

Date: 17.03.2014  
Place: Cherthala