

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/ANP/W-SH-12/HYD

Mine code : 38APR02008

- (i) Name of the Inspecting : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : SRI G RAVI PRASAD, AGENT, G SRINIVASULU, MINES MANAGE
Official with
Designation
- (iv) Date of Inspection : 30-AUG-21
- (v) Prev.inspection date : 04-JAN-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : RAGIMANITHIPPA (41.42 AC)
- (b) **Registration NO.** : IBM/4664/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : ANANTAPUR
- Village : NAGARUR
- Taluka : TADPATRI
- Post office : NAGARUR
- Pin Code : 515456
- FAX No. : 08560 274227
- E-mail : audithya.minerals@yahoo.co
- Phone : 274226, 274266(0), 2 74244, :
- (f) **Police Station** : Yadiki
- (g) **First opening date** : 01-FEB-83
- (h) **Weekly day of rest** : SUN
2. **Address for** : D.No. 2/78 KODAPURAM(R.S)- 516444, Jamalamadugu T
correspondance CUDDAPAH DIST, ANDHRAPRADESH
CELLNO=9440155975
3. (a) **Lease Number** : APR0864
- (b) **Lease area** : 16.76
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 09-MAY-23
4. **Mineral worked** : LIMESTONE Main
- SERPENTINE Associated
- DOLOMITE Associated
- SHALE Associated

5. Name and Address of the

Lessee : G. RAM MOHAN RAO
 KONDAPURAM(R.S) CUDDAPAH
 ANDHRA PRADESH
 Phone:72026, 72066(O),72044,72077(R)
 FAX :

Owner : G.RAMMOHANRAO
 KONDAPURAM(R.S) ANANTAPUR
 ANDHRA PRADESH
 Phone: 274226(O),27427
 FAX :

Mining Engineer

Name : G.SRINIVASULU,Full Time
 Qualification : DIPLOMA IN MINING ENGINEERING
 Appointment/ : 19-MAY-98
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	19-AUG-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23-DEC-04
		Mining Scheme rule 12 MCDR1988	02-MAY-13
		MP review under 17(1) MCR 2016	01-NOV-17
		MP review under 17(1) MCR 2016	16-FEB-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 Boreholes have been proposed in the year 2018-19 & 2019-2020.	No boreholes drilled.	Violations pointed out
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	Lessee spent Rs.1,16,000/ so far towards exploration in the lease area.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Mineralised area to be explored in G1/ G2 scale	Mineralised area has been explored in G1 & G2 scale	Exploration is proposed in mostly non mineralised area.

1e	Balance reserve as on 01/04/20	<p>As per earlier approved Review of Mining Plan Reserves Assessed: Limestone=0.18 MT, Dolomite=0.02 MT, White Shale=0.1438 MT</p> <p>Limestone=0.18 MT, Dolomite=0.094 MT, White Shale=0.1438 MT</p> <p>Depletion : 2017-18 : 1172 T, 2018-19 : 207 T, 2019-20 : 587 T, 2020-21 : 1319 T</p> <p>Balance Reserves : 0.176 Million Tonnes</p> <p>production planned : 2018-19 : 14212 T, 2019-20 : 13817 T, 2020-21 : 13875 T</p> <p>Balance Reserves : 0.138 Million Tonnes</p>	<p>As per earlier approved Review of Mining Plan Reserves Assessed: Limestone=0.18 MT, Dolomite=0.094 MT, White Shale=0.1438 MT</p> <p>Depletion : 2017-18 : 1172 T, 2018-19 : 207 T, 2019-20 : 587 T, 2020-21 : 1319 T</p> <p>Balance Reserves : 0.176 Million Tonnes</p>	<p>The reserve estimation has been done as afresh in the document which has been approved on 16.02.2018.</p>
1f	General remarks of inspecting officers on geology, exploration etc	<p>It is a simple sedimentary bedded deposit with the proposed G2 scale of exploration.</p>		<p>The lease area is undulated with a small hillock. The formation is simple sedimentary bedded deposit and explored partly in G1 and G2 scale covering about 11 ha by 8 no. of trial pits and 7 DTH bore holes. Dolomite, Limestone, White Shale and Serpentene were out cropped in the lease area and no much structural disturbances are there.</p>

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Limestone : N 1656540 to N 1656486 & E 802611 to 802665 Dolomite : N 1656687 to N 1656611 & E 802441 to 802519 White shale : N 1656657 to N 1656621 & E 802591 to 802620	Development is being carried out within the approved proposals	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes Seperate bench for Top soil, overburden and mineral to be maintained	A thin mantle of top soil exists constituting a bench of less than 0.5m bench. The remaining benches are in mineral zone.	
2c	Stripping ratio or ore to OB ratio	Limestone 1:0.53 Dolomite : 1:0.56 White Shale : 1 : 1.8	More or less same	
2d	Quantity of topsoil generation in m3	456 cum	During the year 2020-21, there is no generation of top soil.	
2e	Quantity of overburden generation in m3	6198 cum	4500 Tonnes	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The Top soil bench is maintained seperately. In Limestone & White Shale, pits had been developed by forming benches of about 6m height and in Dolomite area bench of 3 meters height is maintained.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Three n. of pits are proposed for production (Pit-1- White Shale), Pit-2 (Limestone) & Pit-7	Mining is being carried out in all three pits	
3b	Quantity of ROM mineral production proposed	2018-19 : 14212 T, 2019-20 : 13817 T, 2020-21 : 13875 T	2018-19 : 207 T, 2019-20 : 587 T, 2020-21 : 1319 T	
3c	Recovery of sailable/usable mineral from ROM production	Limestone : 80% WS-20% Dolomite-80% Lst-80%	More or less Same in case of Limestone.	Returns of Dolomite and White Shale is not available in this office
3d	Quantity of mineral reject generation	No proposal	There is no generation of mineral rejects.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Does not arise.	
3f	Quantity of sub grade mineral generation.	No proposal	There is no generation of sub grade mineral.	
3g	Grade of sub grade mineral generation	Not applicable	Does not arise	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method adopted	Mechanised method is in practise	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	No such study carried out	

3j	Provision of drilling and blasting in mineral benches	Drilling is proposed using Jack hammer drill and blasing by slurry exploration.	Drilling and Blasting is being practiced as proposed using Jack hammer and with Slurry Explosives.	
3k	Provision of mining machineries in mineral benches	0.9 cum capacity excavation and 10 T cpacity tipper shall be used for mining and allied activities	The above machineries are being used for mining and allied activities	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes boom length of 0.9 cum capcity excavator is suitable to maintain bench height of 3 meters	Yes suitable	-
3m	Total area covered under excavation/pits	2.18 Ha.	More or less area degraded is within approved proposals	
3n	Ore to OB ratio for the pit/mine during the year.	Limestone 1:0.53 Dolomite : 1:0.56 White Shale : 1 : 1.8	More or less same	
3o	Total area put in use under different heads at the end of year	3.21 Ha.	Total area degraded is within approved proposals	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 : Nil 2018-19 : 14212 T, 2019-20 : 13817 T, 2020-21 : 13875 T	2017-18 : 1172 T, 2018-19 : 207 T, 2019-20 : 587 T, 2020-21 : 1319 T	

3q	General remarks of inspecting officers on method of mining etc.	The mining operations are of semi mechanised opencast method of mining using 0.9 cum capacity excavator with 10 tonnes tipper. Drilling is being carried out by using Jack Hammer and Blasting is being carried out by Slurry explosives
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumps for OB is proposed. No Mineral Reject/ Top Soil dumps are proposed to be maintained	OB dumps are maintained in the lease area	
4b	Location of topsoil, OB and mineral reject dumps	OB Dump : N 1656560 to 1656460 & E 802650 to 802740	OB dump is being carried out in earmarked area as proposed	
4c	Number of dumps within lease area and outside of lease area	Four	Three within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond UPL	Beyond UPL	
4e	Number of active and alive dumps.	Three	Three	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposals were made to maintain Retaining Wall , Garland Drain	No retaining wall and garlands Drain is maintained
4i	Length of Retaining wall or garland drain all along dumps	Yes following proposals were made Retaining Wall 2018-19 : 26m x 1.0 m x 1.0 m 2019-20 : 65m x 1.0 m x 1.0 m 2020-21 : 70m x 1.0 m x 1.0 m Garland Drain 2018-19 : 10m x 1.0 m x 1.0 m 2019-20 : 35m x 1.0 m x 1.0 m 2020-21 : 80m x 1.0 m x 1.0 m	Nil
4j	Number of settling ponds	No proposals	Nil
4k	Specific comments of inspecting officer on waste dump management		Waste dumps are being carried out as per the approved proposal. No retaining wall and Garland drain maintained

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	In pit-2 backfilling is proposed after complete excavation of Ore	The Foot wall side in pit-2 is non mineralised area and mineral was excavated completely and backfilling is commenced.	

5b	Area under backfilling of mined out area	0.24 Ha	Within approved proposals	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid approved proposals	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposals for fully reclaimed and Rehabilitated	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is being carried out in pit no.2 in mined out area.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP to be submitted	Not submitted	Violation pointed out
6b	Area available for rehabilitation (ha) .	No proposals	Nil.	
6d	No. of saplings planted during the year	1000 no. of sapplings to be planted	70 sapplings planted	Violation pointed out
6e	Cumulative no .of plants	--	around 250 sapplings.	
6f	Any other method of rehabilitation	No valid approved proposals	None.	
6g	Cost incurred on watch and care during the year	No proposals	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	About 0.47 Ha area available for backfilling	Backfilling is being done within the proposed area
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	About 0.47 Ha area	Backfilling is being carried out with in the void avaialable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposals	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid approved proposals	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid approved proposals	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid approved proposals	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid approved proposals	Not applicable

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid approved proposals	Not applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring is to be carried out	No Monitoring is being carried out	Violation pointed out
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Backfilling is being carried out in Pit-2 in the mined out area

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Graded ore available after sorting will be dispatched.	ROM ore is being dispatched after sorting and sizing	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	Manual Sorting and Sizing is being carried out	Only Sorting and Sizing and is being practised	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual Sorting and Sizing is being carried out.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes 456 cum of Top soil to be removed seperately and Utilised for Plantation	No top soil generated during the year	
8b	Concurrent use or storage of topsoil	Yes proposed for plantation	No top soil generated	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Only Waste/ OB dumps are to be maintained	Only Waste dumps are found maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid approved proposals	Does not arise.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid approved proposals	Does not arise.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	There exists 200 saplings with in the ML area.	
8g	Survival rate	--	Around 60%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement to be made to suppress the dust generated due to mining and allied activities	Yes water sprinkling arrangements were there	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Plantation is being carried out to improve aesthetic beauty.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR shall be submitted up to August 2021. AR shall be submitted up to the Financial Year 2020-21.	MR submitted up to August 2021. AR submitted up to the Financial Year 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer : G. RAMA MOHAN RAO, B.E Geologist: Nil	Not employed	Violation pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by opencast (O/C) mining : 1.8 Ha Reclaimed/Rehabilitated : 1.3 Ha Used for waste disposal : 2.0 Ha	No area is abandoned and Reclaimed & Rehabilitated. Part of the pit-2 is backfilled (around 0.2 Ha) Area degraded could not be ascertained as no updated paln is maintained by lessee	
9d	Scrutiny of Annual return on afforestation	66 sapplings planted	Yes about 70 sapplings found planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stack: ROM ore : 470 Tonnes Graded ore : 470 Tonnes	As furnished by lessee as registers were not maintained
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price is Rs.400/- Cost of production is Rs.160/-	As submitted by Lessee
9h	Scrutiny of Annual return on fixed assets	Not furnished	-
9k	Scrutiny of Annual return on mining machineries	Not furnished.	0.9 cum capacity excavation and 10 T cpacity tipper is being used for mining and allied activities

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	08-OCT-21			
MCDR17	Rule 24(1)	08-OCT-21			
MCDR17	Rule 26(2)	08-OCT-21			
MCDR17	Rule 40	08-OCT-21			
MCDR17	Rule 41(1)	08-OCT-21			
MCDR17	Rule 42	08-OCT-21			
MCDR17	Rule 45(7)(a)	08-OCT-21			
MCDR17	Rule 54(a)	08-OCT-21			
MCDR17	Rule 55(1)(3)	08-OCT-21			

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines