

MCDR INSPECTION REPORT

S. N.	Particulars	Details
1	Name of the Mine	Sri Padmavathi Iron Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	10.850 Hects. Non forest Land.
3	Minecode	30APR11017
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4483/2011
5	Name of the lessee, Address, phone, email and fax number	N. Kantha Reddy H.No. 1-57, Boyanapalli (V), Veldurthi (M), Kurnool District. A.P. <u>Tel:9440396675</u> Kanthareddy.26@gmail.com
6	Village	Boyanapalli
7	Taluk/Mandal	Veldurthi
8	District	Kurnool
9	PinCode	518216
10	State	Andhra Pradesh
11	Post office	Veldurthi
12	Nearest police station	Veldurthi
13	Nearest Railway station	Veldurthi
14	Date of Grant of Mining Lease	16.09.1985
15	Date of Execution	16.12.1985
16	Date of opening of Mine	16.12.1985
17	Date of first Renewal, if applicable and its period & expiry	Renewed on 16.12.2005 ending 15.12.2025
18	Date of second Renewal, if applicable and its period & expiry	The deemed extension u/s8(A) of MM(D&R) Act 2015 as amended is under processing with the Department of Mines & Geology, A.P.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	19.11.2022
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not applicable
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not applicable
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	E. Hemantha Kumar Goud Diploma in Mining Engineering 15 Years Flat No. 101, Joshitha Enclave, Plot No. 87-510 B, Sri Nagar Colony, B Camp, Kurnool. A.P. Mines Manager/Mining Engineer.
23	Name of the Mining Engineer, Qualification and total experience with	E. Hemantha Kumar Goud Diploma in Mining Engineering

	Address, phone, email, fax number and date of appointment in mine	15 Years Flat No. 101, Joshitha Enclave, Plot No. 87-510 B, Sri Nagar Colony, B Camp, Kurnool. A.P. 03.03.2023 Mines Manager/Mining Engineer.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, appointed as per statute.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Lr. No.AP/KNL/MP-Fe-9/HYD, dt. 23.09.2005 (1.04.2005 to 31.03.2010)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Lr. No.AP/KNL/MP-Fe-9/HYD, dt. 23.12.2022 (23.12.2022 to 31.03.2025)
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized.
30	Captive/ Non captive	Non-Captive
31	Date of inspection	23.10.2024

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	----
1b	Exploration of lease area for Geological axis 1 or 2.	9 Boreholes with total meterage of 260m.	-	Lessee has submitted draft review of mining plan which is under process. Further, lessee informed that the proposed exploration could not be carried out due to financial problems. It shall be undertaken in the year 2025-26 as envisaged in the current Review of Mining Plan(RMP).
1c	Exploration Agency & Expenditure in lakh	Lessee with the help of Geologist	None	----

	Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	0.45 ha	None	0.45 ha shall be covered in the year 2025-26.
1e	Balance reserves as on 01.04.2024		2,77718 T	None
1f	General remarks of inspecting officer on geology, exploration etc.	-	-	In the draft RMP, it has been proposed to undertake the backlog exploration over an extent of 0.45 ha in the ensuing year 2025-26. The rock unit exposed in the subject area belongs to Cuddapah super group of Rocks of Proterozoic era.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	South – West to East	Development carried out as proposed.	None
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	It has been proposed to form separate benches in Ore and Overburden with 3m height.	Benches have been formed as proposed in the approved document.	None
2c	Stripping ratio or ore to OB ratio	1:1.71	1:1.31	None
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	50,150.00 Cum	30,120.00 Cum	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			Development is carried out by opencast mining method as proposed.

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	Lessee has submitted draft RMP, the same is under process.
3b	Quantity of ROM mineral production proposed	39,258 Tons in the year 2023-24	20280.00 Tons	None
3c	Recovery of salable/usable mineral from ROM production	39,258 Tons in the year 2023-24	20280.00 Tons	Nil
3d	Quantity of mineral reject generation	None	None.	Nil
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	Nil
3f	Quantity of sub-grade mineral generation	None	None	Nil
3g	Grade of sub-grade mineral generation	None	None	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None	None	Nil
3j	Provision of drilling & blasting in mineral benches	Yes,	Yes,	Nil
3k	Provision of mining machinery in mineral benches	Yes,	Yes,	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7 m	maintained.	Nil
3m	Total area covered under excavation/pits	3.26Hects	2.82Hects	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:2.01	1:1.5	Nil
3o	Total area put in use under different heads at	5.560 Hects	5.45 Hects	Nil

	the end of year			
3p	Production of ROM mineral during last five-year period, as applicable	2019-20=39321 t 2020-21=Nil 2021-22=Nil 2022-23=40644.00 t 2023-24=39258.00 t	2019-20=Nil 2020-21=Nil 2021-22=Nil 2022-23=77685 t 2023-24=20280 t	The mine was not worked during 2020 to 2022 (under suspension) and mine was revoked on 04/01/2023.
3q	General remarks of inspecting officer on method of mining etc.			Production is carried out from one pit by opencast mining method as proposed.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	There is no proposal of generation of Top soil. The overburden is proposed to dump on dump-1	It was observed during the inspection that the overburden is dumped on dump-1	Lessee has submitted draft review of mining plan, the same is under process.
4b	Location of topsoil, OB & mineral reject dumps	It was proposed to dump on the eastern part of the existing dump within the ML.	The overburden is dumped on the eastern part of the existing dump within the ML.	None
4c	Number of dumps within lease area and outside lease area	Within ML=1	Within ML=1	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The dumps are beyond ultimate pit limit(UPL)	The dumps are beyond ultimate pit limit(UPL)	None
4e	Number of active & alive dumps	One	One	None
4f	Number of dead dumps	Nil	Nil	None
4g	Number of dumps stabilized	Nil	Nil	None
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal during the year 2023-24	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No proposal during the year 2023-24	Nil	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of			The Overburden

	inspecting officer on waste dump management.			is dumped on the existing dump with in the ML area as envisaged in the approved document.
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Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	There was no proposal for backfilling or reclamation during the year 2023-24.	No back filling or reclamation was noticed during the inspection.	Nil
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	There is exists no topsoil and hence no proposal.	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc		Not envisaged, as area is not matured for reclamation.	Not envisaged, as area is not matured for reclamation.

Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	PMCP report to be submitted before 1 st July.	Submitted.	Nil
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	i) Nil ii) 0.177 ha iii) 200 iv) Nil v) Nil vi) Rs 20000	i) Nil ii) 0.150 ha iii) 150 iv) Nil v) Nil vi) Rs 20000	Nil

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) Nil ii) Nil iii) Nil iv) Nil v) Nil	i) Nil ii) Nil iii) Nil iv) Nil v) Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) Nil ii) Nil iii) Nil	i) Nil ii) Nil iii) Nil	Nil
6e	Compliance of Environmental monitoring (core zone & buffer zone)	It was proposed to monitor the environmental parameters in both the core and buffer zones every quarter.	Quarterly monitoring being carried out by the lessee to monitor the environmental parameters in both core and buffer zones and the parameters are within the permissible limits.	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations		PMCP measures were carried out as proposed.	PMCP measures were carried out as proposed.

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting proposed.	No such activity noticed during the inspection.	No comments.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	Nil
7c	Different grade of mineral sorted out at mines	>45%	>45%	Nil
7d	Any beneficiation process at mines	No proposal	Nil	Nil

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			No beneficiation process proposed in the earlier approved RMP.
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Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for overburden waste is proposed.	The same was observed during the inspection.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal is made in approved document	NA	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal is made in approved document	NA	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Additional Plantation is proposed on the Southern side of ML area by plantation Of 200 saplings.	Additional plantation has been done as proposed on the southern side of the ML by planting 200 saplings.	Nil
8g	Survival rate	50%	35%	Nil
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	Water sprinkling is being carried out periodically to arrest airborne dust.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	There is lack of aesthetic beauty within the mine due to poor survival plants. Around the mine

				there is greenery with the cultivated lands.
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Compliance of Rule 45

S.N.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns and Annual return to be submitted with in stipulated time	Submitted	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		During the inspection it was observed that Shri HemathKumar Goud as mining engineer and Shri EV Naresh Kumar as Geologist have been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Covered under current (O-C) Workings 3.380 ha,(iv) Used for waste disposal 2.070 ha,(iii) Occupied by plant, buildings, residential, welfare buildings and roads 0.200 ha etc.,	found to be in order.	Nil
9d	Scrutiny of Annual return on afforestation	150 nos. of saplings	found to be in order.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	19568.400	found to be in order	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production: 386.78	found to be in order	Nil
9i	Scrutiny of Annual return on fixed assets	Rs.22500000	Rs.22500000	Nil
9k	Scrutiny of Annual return on mining machineries	Back hoe=01 no. Tipper=02 nos. Water tanker=02 nos. Wheel loader=01 no. Tractor=01 no.	found to be in order.	Nil

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Nil					

Date: 16.12.2024

(D.P.RAVILUMAR)
Junior Mining Geologist

(Name of inspecting officer with designation and date)