

## MCDR INSPECTION REPORT (2023-24)

S. N.	Particulars	Details
1	Name of the Mine	<b>Dharmapur Iron Ore Mine/M L No. 2309</b>
2	Total Lease Area (Ha) with breakup of non-forest and forest land	36.42(as per lease deed) 38.50 (as per CEC) Forest - 36.42 Ha Non-forest - 0.00 Ha
3	Mine code	30KAR03055
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1010/2011
5	Name of the lessee, Address, phone, email and fax number	Mr. Syed Ahmed M/s Zeenath Transport Company Zeenath House, Cowl Bazar Ballari-583 102, Karnataka State Ph. No. 08392-240085 Fax No. 08392-240462 Email ID: ztc2000@yahoo.com
6	Village	Ramgad Village
7	Taluk/Mandal	Sandur
8	District	Bellari
9	Pin code	583 119
10	State	Karnataka
11	Post office	Sushila nagar
12	Nearest police station	Sandur
13	Nearest Railway station	Hospet
14	Date of Grant of Mining Lease	19.04.1979
15	Date of Execution	04.06.2001
16	Date of opening of Mine	1979, 20.05.2020 Resumed Mining
17	Date of first Renewal, if applicable and its period & expiry	04.10.1980 to 03.10.1990
18	Date of second Renewal, if applicable and its period & expiry	04.10.1990 to 03.10.2000 Third Renewal from 03.10.2000 to 02.10.2020
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	25.04.2015 (As per MMRD Act 2015 the lease period valid up to 18.04.2029)
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Syed Ahmed M/s Zeenath Transport Company Zeenath House, Cowl Bazar Dist: Ballary, State: Karnataka Pin Code 583 102 Ph. No. 08392-240084/240085 Fax No. 08392-240462 Email: ztco2000@yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	N A

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Ekambrappa B BE Mining with First class Mines Manager certificate, Bangalore University, Ph. No. 8088129599 <a href="mailto:Ztco2000@gmail.com">Ztco2000@gmail.com</a> , 28.07.2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Imthiyaz.V B.E Mining and with Second class Mines Manager certificate, Bangalore University, 9743277828 <a href="mailto:Ztco2000@gmail.com">Ztco2000@gmail.com</a> , 09.11.2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	M. Peddanna, M.Sc Geology Sri Venkateswara University Tirupati, Andhra Pradesh 7204768379, <a href="mailto:Ztco2000@gmail.com">Ztco2000@gmail.com</a> , 20.09.2021
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	29.11.2022 (for the period 29.11.2022 to 31.03.2025)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	22.09.2020 (for the period 01.04.2020 to 31.03.2025)
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized "A" Category
30	Captive/ Non captive	Non-captive
31	Date of inspection	24.10.2024
32	Name of accompanying mine officials with designation	Ekambrappa B (Mine's manager) Imthiyaz V (Mining Engineer) M. Peddanna (Geologist)

### Exploration

S.N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No Back log	NA	Exploration over the area carried out by drilling 9 holes for the period from 2022-23 to 2023-24.
1b	Exploration over lease area for Geological axis 1 or 2.	09 DTH bore holes Proposed.	09 DTH bore holes were drilled in the year 2022-23	42 DTH Boreholes (1591 M), 13 Core

			amounting to 379 M. 01 DTH bore hole was drilled in the year 2023-24 amounting to 82M, Total 461 mtrs	Drilling Boreholes (520.5 M Total 2111.5 M 43 Trial pits
1c	Exploration Agency & Expenditure in lakh Rupees during the year		01 DTH borehole was drilled. Exploration carried out by Sri Balaji (DTH Boreholes) Borewells, SMIORE Colony, Sandur The expenditure 0.26 lakhs.	The expenditure incurred for putting Borehole Drilling around 0.26 lakhs.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire lease area explored to G1 level of exploration	
1e	<b>Balance reserves as on 01.04.2024,</b>		58,81,751 MT as on 01.04.2024	As per AR submitted for the year 2023-24.
1f	General remarks of inspecting officer on geology, exploration etc.	Adequate exploration carried out to explore the lease area to G1 level.		

## Development

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area 2023 - 24	Float ore: N 1675230 - 1675304 E 656175 - 656326, Reef Ore: N1674763 - 1674954 E 656314 - 656575, N1674695 - 1674737 E 656375 - 656416	Float ore area have been worked and reef ore there is a deviation reef ore between section line BB' and DD' not worked.	Violation letter issued to the lessee for the deviation in working.

2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.15	1:0.14	
2d	Quantity of topsoil generation in m3	No Proposal	Nil	Float & Reef ore workings
2e	Quantity of overburden generation in m3	23195 m3 (46390 MT)	21074 m3 (42148 Mt)	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Over all development of the mine carried out by considering the optimal extraction of Resources/reserves. Deviation in development w.r.t proposals violation issued.		

### Exploitation

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	2 pits proposed for production One in float ore & one in Reef zone.	Working carried out in 2 pits. Float & Reef ore zone. Reef there is deviation w.r.t to proposed location.	Violation letter issued for seeking clarification.
3b	Quantity of ROM mineral production proposed	300000 MT	299990 MT	
3c	Recovery of salable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	
3f	Quantity of sub-grade	No Proposal	Nil	

	mineral generation			
3g	Grade of sub-grade mineral generation	No Proposal	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	Only dry crushing & screening	As per the approved Mining plan proposals	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	drilling & blasting in mineral benches	No drilling and blasting were carried out in the mineral benches.	Excavator deployed to in the float ore & Reef Zone.
3k	Provision of mining machineries in mineral benches	Excavator Volvo 1.6 CUM - 2 Volvo Wheel Loader 3 CUM -1 TATA Prima - 2 water tanker 10000 ltr - 1 Mobile Crushing 100 TPH - 1 Mobile Screening 150 TPH - 1	Excavator - 2 No. Wheel Loader -1 No. Dumpers - 4 No. (16 cum) Water tanker - 1 No. Crusher 100 TPH - 1 No. Screening 150 TPH - 1 No.	
3l	Whether height of benches in overburden and mineral suitable for method of mining	Suitable bench height and width proposed in mineral benches in Float Ore Zone Bench Height: 3 mtr Bench Width: 5 mtr, in Reef Ore Zone Bench Height: 7.5 mtr Bench Width: 10 mtr	By and large followed the mining plan proposals	

	proposed in MP/SOM			
3m	Total area covered under excavation/pits	13.69 Ha. At the end of the year	13.69 Ha.	As per AR submitted for the year 2023-24.
3n	Ore to OB ratio for the pit/mine during the year	1:0.15	1:0.14	
3o	Total area put in use under different heads at the end of year	Area under Mining - 13.69 Ha Waste dumps - 10.72 Ha. Mineral Storage - 0.37 Ha. Infrastructure - 0.70 Ha Roads - 0.79 Ha. Others (Greenbelt, SGMD, Protective measures) - 2.2 Ha. Unused area - 7.95 Ha. At the end of the year	Area under Mining - 13.69 Ha Waste dumps - 10.72 Ha. Mineral Storage - 0.37 Ha. Infrastructure - 0.70 Ha Roads - 0.79 Ha. Others (Greenbelt, SGMD, Protective measures) - 2.2 Ha. Unused area - 7.95 Ha. At the end of the year	As per Annual Return submitted FY 2023-24.
3p	Production of ROM mineral during last five-year period, as applicable	2016-17: 36000 2017-18: 36000 2018-19: 36000 2019-20: 36000 (in tonnes) 2020-21: 69500 (in tonnes) 2021-22: 82000 (in tonnes) 2022-23: 300000 (in tonnes) 2023-24: 300000 (in tonnes)	2016-17: Nil 2017-18: Nil 2018-19: Nil 2019-20: Nil (in tonnes) 2020-21: 36000 (in tonnes) 2021-22: 80230 (in tonnes) 2022-23: 118290 (in tonnes) 2023-24: 299990 (in tonnes)	
3q	General remarks of inspecting officer on method of mining etc.	Exploitation of the ore adhering to the approved proposals carried out in the lease.		

### Solid Waste Management-Dumping

S.N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate Backfilling & Dump proposed for OB (Section H-H').	Carried out Backfilling and dumping in mine worked out area as per the approved mining plan.	
4b	Location of topsoil, OB & mineral reject dumps	One over burden dump proposed	Carried out as per the approved mining plan.	N1675304-1675376 E656192-656229
4c	Number of dumps within lease area and outside lease area	WML: 6 Dumps ID-1, ID-2, ID-3, ID-4 One Active dump, One dump on Backfilling area. OML: NIL	Followed as per the approved mining plan.	Active and Inactive dumps are within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	5 OB dumps (Active and Inactive) were situated outside the UPL. One dump in mine worked out area.	Location of Old OB dumps carried out in past: AD: N 1675387-1675128, E 656195 - 655776  ID1- N1674224 to 1674169, E 656175 to 656178,  ID2- N1674496 to 1675036, E- 655636 to 656051  ID3- N1674499 to 1674488, E- 656573 to 656588  ID4- N1675069 to 1675153 E- 655703 to 655864

				Backfilling & Dumping N1675304-1675376 E656192-656229
4e	Number of active & alive dumps	2 no's of Active dumps AD-1 & Backfilling & Dumping	2 no's of Active dumps AD-1 & Backfilling & Dumping	AD: N 1675387-1675128, E 656195 - 655776 Backfilling & Dumping N1675304-1675376 E656192-656229
4f	Number of dead dumps	4 Dead Dumps (ID-1, ID-2, ID-3, ID-4.)	4 Dead Dumps (ID-1, ID-2, ID-3, ID-4.)	Stabilized with plantation.
4g	Number of dumps stabilized	4 Dumps (ID-1, ID-2, ID-3, ID-4.)	4 Dead Dumps (ID-1, ID-2, ID-3, ID-4.)	Stabilized by plantation and partially by Geo coir mating.
4h	Whether Retaining wall or garland drain all along dumps are there	One Retaining wall(100m) & One Garland Drain(100m)	Retaining wall 35m Completed.	Balance work under progress. Garland drain is under progress.
4i	Length of Retaining wall or garland drain all along dump	One Retaining wall(100m) & One Garland Drain (100m)	Retaining wall 35m Completed. Balance work under progress. Garland drain is under progress.	Completed as per proposal. TW1 - 83 m TW2 - 611 m TW4 - 190 m TW6 - 150 m GWCW - 235 m TW8- 220 m <b>Total 1489 m</b> GD1 - 71 m GD2 - 625 m GD4 - 210 m GD6 - 155 m GD8 - 310 m (old) GD8 - 190 m (new) <b>Total 1561 m</b>



4j	Number of settling ponds	No proposal	Nil	3 No.s of settling pond constructed with in lease, 2 No.s of settling pond constructed outside lease the previous plan period.
4k	Specific comments of inspecting officer on waste dump management.	Waste dump management and the protection measures were satisfactorily		

### Solid Waste Management-Backfilling

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling is proposed in mine worked out area.	Carried out as per the mining plan proposal	
5b	Area under backfilling of mined out area	0.13 Ha	0.13 Ha	backfilling in mined out area
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	--		

### Progressive Mine Closure Plan

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	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.	Annual report on PMCP to be submitted before 1 <sup>st</sup> July of every	PMCP report is submitted on 25.06.2024.	PMCP Report submitted on 25.06.2024

		year.		
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	0.38 Ha. (Safety zone, Inactive dumps)	00.38 Ha. (Safety zone, Inactive dumps)	
6d	No. of saplings planted during the year (2023-24)	950 saplings proposed- Green Belt, & Inactive Dumps in gap area.	Total 1100 trees planted during the year (260 saplings in - Greenbelt, & 840 saplings in Inactive Dumps in gap area).	
6e	Cumulative no. of plants	Not Specified	Nil	218522 saplings in all. Safety Zone: 3916 Inactive dump: 214506, Avenue Plantation Others - 100, OML - 4126 as per PMCP 2023-24.
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year (2023-24)	1,42,500 Rs. Per year	1,80,000 Rs. Per year	
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	rehabilitation by backfilling (L-44*B-10*L-03)	rehabilitation by backfilling (L-44*B-10*L-03)	1320 Cub.m Backfilled
6i	Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings	No proposal	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the	No proposal	Nil	

	backfilled area			
6k	Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling v) Any other specific means	No proposal	Nil	
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	0.38Ha, 200 no's of saplings (Gap Plantation)	260 no's of saplings (Gap Plantation)	Gap filling done in Safety zone.
6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	0.38 Ha.	0.38 Ha.	Gap filling done in Safety zone.
6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	By Plantation	By Plantation	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring proposed in buffer zone and core Zone.	Environment al monitoring is carried out in buffer zone and core Zone.	Cosmo conscious Research laboratory. Bellary.
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP work done satisfactorily		

### Mineral Conservation

S.N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dry crushing & Screening plant.	As per mining plan	
7b	Method of grade-wise mineral sorting i.e., manual or mechanical	mineral sorting in mechanical method	As per mining plan	

7c	Different grade of mineral sorted out at mines	45%-51% Fe 51%-55% Fe, 55%-58% Fe 58%-60% Fe 60%-62% Fe 62%-65% Fe 65% and above Fe	Lumps 55%-58% Fe, 58%-60% Fe 60%-62% Fe 62-65% Fe. Fines 51%-55% Fe. 55-58% Fe.	Reflected as per AR
7d	Any beneficiation process at mines.	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral conservation aspect taken care		

## Environment

S. N.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NA	
8b	Concurrent use or storage of topsoil	No proposal	Nil	No generation of top soil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	OB generated is proposed to Backfilling & Dumping	Back filling & Dumping was carried out as per the proposals	--
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	No Proposals	--	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	--	Plantation 4.36 Ha. On Inactive dumps. 0.13 Ha. Backfilling
8f	Baseline information on existence of	217422 950	217422 1100 (2023-	Gap filling, Inactive

	plantation & additional plantation done (Rule 41)	(2023-24) 218372	24) 218522	dumps & Safety zone.
8g	Survival rate	70%	75%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road proposed to control airborne dust.	Water sprinkling is carried out regularly to control air pollution.	10,000 ltr capacity water tanker is engaged.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Environmental monitoring reports were taken care and quarterly reports were submitted to this office.		

### Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks	
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to September 2024. On 07.10.2024. A.R. Submitted 2023-24 on 28.06.2023		
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager - Shri. Pompapathi. G  Mining Engineer Mr. Imthiyaz. V  Geologist-M. Peddanna	Appointed the statutory persons	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed	Covered under current workings (O/C) - 13.69 Ha., Used for waste disposal - 10.72	As per mining plan proposals	

	area, dumps etc.	Ha. Occupied by plant, buildings, residential, welfare buildings & roads - 1.49 Ha., Other purposes (Stockyard, safety zone and SGMD & others) - 10.52 Ha.		
9d	Scrutiny of Annual return on afforestation	1100 no's (WML) 100 no's (OML)	Plantation done	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: O/S Nil Production- 299990TS, OB - 42148TS, Dump working: OB and CB - 27009.600 MT (52-64% Fe)		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- mine price: Lumps 55-58% - 4663/- 58-60% - 4897/- 60-62% - 5744/- 62-65% 5782/- Fines: 51-55% - 2623/- 55-58% - 3247/-	Appears to be correct	
9i	Scrutiny of Annual return on fixed assets	17,00,650 Rs including plants, machineries and transport equipments.	Appears to be correct	
9k	Scrutiny of Annual return on mining machineries	Excavator - 2 No. Wheel Loader -1 No. Dumper - 4 No.s (16 cum) Water tanker- 1 No. Crusher 100 TPH - 1 No.	Appears to be correct	

		Screening 150 TPH -1 No.		
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ओमकेशा मूर्ति एम.जी. | **OMKESHA MURTHY M.G.**  
क्षेत्रीय खनन भूविज्ञानी | **REGIONAL MINING GEOLOGIST**