

निरीक्षण रिपोर्ट / MCDR INSPECTION REPORT
(Date of insp'n- 09/1/2025)

Mine File No. R.M.Pl.-792-1/2/2023-DDN-IBM_RO_DDN

Minecode: 38HPR01003

(i)	Name of the Inspecting Officer	Manish K Maindiratta
(ii)	Designation	Regional Controller of Mines
(iii)	Accompanying mine official with designation	Shri Sanjeev Soni
(iv)	Date of Inspection	09.01.2025
(v)	Prev. Inspection date	-

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	Gagal Lst Mine
	(b)	Registration No.	IBM/256/2011
	(c)	Category	A-Category
	(d)	Type of Working	Opencast
	(e)	Postal Address	
		State	Himachal Pradesh
		District	Bilaspur
		Village	Nalag, Bhateh, Uprali, Barmana, Gagal
		Taluka/Tehsil	Sadar
		Post Office	Barmana
		Pin Code	174013
		FAX No.	NA
		E-mail	Sanjeevkumar.soni@adani.com
		Phone	-
	(f)	Police Station	Barmana
	(g)	First Opening Date	NA
	(h)	Weekly day of rest	-
2		Address for Correspondence	M/s ACC Limited
			121 Mahakali Karve Road
			Near Chruuch Gate
			Mumbai 400020
			Maharashtha
3	(a)	Lease Number	-
	(b)	Lease Area	231.25
	(c)	Period of Lease	51years 1 month From 20.02.1979
	(d)	Date of Expiry	31.03.2030 (As per supplementary deed)
4		Mineral Worked	Limestone, Shale & Quartzite

PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No exploration was proposed in the reporting year 2023-24	NO exploration carried out in the reporting year 2023-24	Exploration proposed for 2024-25 is being started

1b	Exploration over lease area for Geological axis 1 or 2.	Potential mineralized area is explored upto G1 level	Potential mineralized area is explored upto G1 level	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NO proposal	Not available	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Potential Mineralized area explored upto G1 level i.e. 135.76 hect	Potential Mineralized area already explored upto G1 level i.e. 135.76 hect	95.49 hect declared as non-mineralized 135.76+95.49=231.25 hect (total ML area)
1e	Balance reserves as on 01.04.2024	111-142.20 million tonnes 122-16.90 million tonnes 211-302.191 million tonnes	Depletion: 2023-24: 3.73 million tonnes 111-138.47 million tonnes 122-16.90 million tonnes 211-302.191 million tonnes	(As per approved mining plan dated 29.03.2023)
1f	General remarks of Inspecting officer on geology, exploration etc.			

2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to work in the Southern pit towards the SE-NW direction forming benches of 10-meters in height and width	Working was broadly undertaken at the proposed location with 10m high benches	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	It was proposed to prepare and maintain benches in OB and Mineral	Bench are maintained in OB and Mineral Limestone	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	
2d	Quantity of topsoil generation in m ³	Nil	Nil	No Soil generated in the reporting year
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Production was proposed in the southern pit of lease only.	Working was done as per proposal	
3b	Quantity of ROM mineral production proposed	LST ROM- 4209500 + 139250T = 4348750T Shale ROM- 150000T	As per record 3733000 T LSt ROM produced. Out of this 37800 T LST transferred to Subgrade dump. 29600 T were recovered from dump working. No shale generation reported.	Total mineral dispatched from mine is 3724800T. Dump working was not proposed, violation issued.
3c	Recovery of Salable/usable mineral from ROM production	100% material from Cement grade limestone is proposed to be used. 30% recovery from High magnesia Limestone produced.	100% material from Cement grade limestone is used.	
3d	Quantity of mineral reject generation	139250 T High Magnesia Limestone assed to be generated as mineral reject.	37800 T LST mineral reject generated.	
3e	Grade of mineral reject generation and threshold value declared	High Magnesia Limestone	High Magnesia Limestone with 34.3% CaO	
3f	Quantity of sub-grade mineral generation	139250 T High Magnesia Limestone assed to be generated as mineral reject.	37800 T LST mineral reject generated i.e High Magnesia Limestone with 34.3% CaO.	
3g	Grade of sub-grade mineral generation	High Magnesia Limestone	High Magnesia Limestone with CaO of 34.3%	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Segregation by visual sorting at the time of loading.	6 cum excavator & 60T dumpers are being used
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	
3j	Provision of drilling & blasting in mineral benches	Large diameter blasting was proposed	As per approved mining plan with burden 4-5 m & spacing 3.5-4m with drill m/c with 115mm	

			or 150 mm dia.	
3k	Provision of mining machineries in mineral benches	HEMM is proposed to be used in the mineral benches	HEMM is being used in the mineral benches	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Bench height and width are as per mining plan i.e. 10 meter	
3m	Total area covered under excavation /pits	59.88 hect	58.9 ha. as per returns	
3n	Ore to OB ratio for the pit/mine during the year	1:0.00	1:0.00	
3o	Total area put in use under different heads at the end of year	82.65 hect	About 80 hect	
3p	Production of ROM mineral during last five-years period, as Applicable	2023-24=4498750 2022-23=5012000 2021-22=4983000 2020-21=5002400 2019-20=4906450 2018-19=4981675	2023-24=3733000 2022-23=2763650 2021-22=3882200 2020-21=3084550 2019-20=3734350 2018-19=3728492	
3q	General remarks of inspecting officer on method of mining etc.	Bench height and width are maintained as per proposal, location of working was as per proposal.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	Separate dumping of Mineral Reject in 2023-24 has been noted	
4b	Location of topsoil, OB & mineral reject dumps	Proposed	Within lease area	
4c	Number of Dumps within lease area and outside lease area	Within lease area	2	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	
4e	Number of Active & Alive dumps	2	2	Mineral reject has been removed from the dumps and being used to reduce the quantity as per advised.
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Not Proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Partially complied	
4i	Length of Retaining wall or	210 in		

	garland drain all along dump	2023-24		
4j	Number of settling ponds	Not Proposed	1	
4k	Specific commends of inspecting officer on waste dump management			

5. 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	Not Proposed	Depthwise Mineral continuity is there.	
5b	Area under backfilling of mined out area	Not Proposed	Area is not mature for backfilling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No top soil generated during the reporting year	Nil	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Area is not mature for reclamation as depthwise mineral continuity is there at present.	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

6. Progressive Mine Closer 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	Proposed	Submitted	
6b	Management of worked/mined out benches	Not Proposed	Not applicable	
	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			
6c	Compliance on reclamation and rehabilitation by backfilling	Not Proposed	Not applicable	
	i) Voids available for backfilling (L*B*D)			
	ii) Void filled by waste/tailings			
	iii) Afforestation on the backfilling			
	iv) Rehabilitation by making water reservoir			
	v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	2500 saplings over 1 hectare area	Undertaken as proposed	
	ii) Area rehabilitation			
	iii) Method of rehabilitation			
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	As per approved mining plan	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Only sorting of high magnesia limestone band is proposed	Being undertaken accordingly. 3724800 T Limestone was dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-	Segregation by visual sorting at the time of loading is done while operating in High magnesia zone.	
7c	Different grade of mineral sort out at mine		Material from High Magnesia Limestone zone is consumed to a very limited extent due to plant	

			requirement & rest is shifted to dump.	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	High MgO Limestone is partly blended and used,, remaining is dumped.		

8. Environment:

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	NIL	During the reporting year no soil generated as the working was done depth wise
8b	Concurrent use or storage of topsoil	Proposed	NIL	During the reporting year no soil generated
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Proposed	Limestone reject dump & Shale dump is observed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not being used for purpose	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	No area mature enough for the process	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	As per approved mining plan	
8g	Survival rate	90%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	By using water tanker and sprinklers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area			

9. Compliance of Rule 45:

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	AR and MR submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer Dheeraj, Manager-Sanjeev Soni	Observed as per proposal
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	
9d	Scrutiny of Annual return on afforestation	Furnished	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	C/B of Mineral Reject for 2022-23 is not matching with 2023-24	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Dump working is found to be done but not reported	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Furnished	
9i	Scrutiny of Annual return on Fixed assets	Furnished	
9k	Scrutiny of Annual return on mining Machineries	Furnished	

Violation of 11(1) & 45(7) of MCDR'17 were pointed.

Manish K Maindiratta
Regional Controller of Mines.