

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMNT AND REGULATION DIVISION  
MCDR INSPECTION REPORT  
BANGALORE REGIONAL OFFICE**

**Mine File No : : KNT/CTD/Mn-107/BNG**

<b>S. N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine	Susheelamma Mn ore mine
2	Date of inspection	25.06.2024
3	Name of inspecting officer	K. Srinivas,JMG
4	Name of accompanying mine officials	B.Shankar, Mining Engineer, Iswar N.Kolar,Mine Manager Chetan Kumar M.V, Geologist
5	Previous date of Inspection	26.07.23
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	40.07 ha, Non-forest
7	Minecode with ML no.	40KAR07023
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/44732/2022
9	Name of the lessee, Address, phone, email and fax number	M/s. SJMP Holdings LLP , #308, Swiss Complex, Race Course Road, BENGALURU -560 001.
10	Village	DB & CB Kere
11	Taluk/Mandal	Hosadurga
12	District	Chitradurga
13	Pincode	577 533
14	State	Karnataka
15	Post office	DB Kere
16	Nearest police station	Srirampur
17	Nearest Railway station	Holalkere
18	Date of Grant of Mining Lease	15.04.1981
19	Date of Execution	15.04.1981
20	Date of opening of Mine	-
21	Date of expiry	14.04.2031
22	Name of the <b>Nominated Owner</b> with Address, phone, email, fax number and date of appointment	K.B. Srinivas
23	Name of the Mine <b>Agent</b> with Address, phone, email, fax	-

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	number and date of appointment	
24	Name of the <b>Mines Manager</b> with Address, phone, email, fax number and date of appointment in mines	Iswar N.Kolar, Mine Manager
25	Name of the <b>Mining Engineer</b> , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	B.Shankar, Mining Engineer,
26	Whether <b>Geologist</b> appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Chetan Kumar M.V, Geologist
27	Date of Approval of Mining plan/ Review and updation of Mining plan with five-year period and specific condition in approval letter, if any.	279/587/97/BNG dated 13/3/2024
28	Mineral(s) granted in lease and proved for mining	Iron ore and Manganese Ore
29	Method of Mining(Opencast, Underground)	Opencast
30	Category (Fully Mechanized, Others or Manual)	A cat. Mechanised
31	Captive/ Non captive	Non-captive
32	Present EC Capacity	150000t Iron ore and 13000t Manganese ore

### Exploration

S.N	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	Nil	-
1b	Exploration over lease area for Geological axis 1 or 2.	No proposals	Nil	No proposals for the year 2023-24
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposals	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G1-2.84ha G2-20.46ha Non-Mineralised-	-

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			16.77ha	
1e	<b>Balance reserves as on <u>01.04.2024</u></b>	-	The reserves Iron ore as on 1.4.2024 is 1759818 tonnes.	The reserves Manganese ore as on 1.4.2024 is 1656988 tonnes.
1f	General remarks of inspecting officer on geology, exploration etc.	There are no exploration proposals for the year 2023-24.		

### Development

S.N	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit no.1, 2 and 3	Development has been carried out as proposed.	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches proposed in OB and mineral.	Separate benches maintained in OB and mineral.	-
2c	Stripping ratio or ore to OB ratio	1: 0.69 (in tonnes)	1: 0.70 (in tonnes)	Ore-64999 t OB- 46000 t
2d	Quantity of topsoil generation in m3	No proposal	nil	No top soil generated.
2e	Quantity of overburden generation in m3	28930m3	29487 m3	-.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development has been carried out as per the proposals. OB quantity has been reported in tonnes in AR 2023-24 instead of cubic meters. The violation has been pointed out.		

### Exploitation

S. N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for	4 pits for Iron ore	4 pits for Iron ore	-

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	production	3 pits for Mn.ore	3 pits for Mn.ore	
3b	Quantity of ROM mineral production proposed	Iron ore-62000t Mn. Ore –3000 t	Iron ore-62000t Mn. Ore –2999 t	-
3c	Recovery of salable/usable mineral from ROM production	100%	100%	As reported in AR 2023-24
3d	Quantity of mineral reject generation	No proposal	Nil	No mineral reject generated.
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	-
3f	Quantity of sub-grade mineral generation	No proposal	Nil	-
3g	Grade of sub-grade mineral generation	No proposal	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Segregation by crushing and screening	Segregation by crushing and screening	-
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed.	Drilling and blasting carried out.	-
3k	Provision of mining machineries in mineral benches	Machineries proposed- Excavators- 3 Wheel loader-1 Tippers- 5 Drill-1 Water tanker-1	Machinery deployed: Excavators- 3 Wheel loader-2 Tippers- 5 Water tanker-1 Drill-1	-
3l	Whether height of benches in	Proposed bench height 6m	Average bench height 6m	-

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	overburden and mineral suitable for method of mining proposed in MP/SOM	proposed.	maintained.	
3m	Total area covered under excavation/pits	2.27 Ha	2.97 Ha	As per the AR 2023-24.
3n	Ore to OB ratio for the pit/mine during the year	1: 0.69 (in tonnes)	1: 0.70 (in tonnes)	Ore-64999 t OB- 46000 t
3o	Total area put in use under different heads at the end of year	Area under mining – 2.27ha OB Dumping - 2.62ha Mineral storage- 2.89ha Infrastructure & Roads -1.36ha	Area under mining – 2.97ha OB Dumping - 1.46ha Infrastructure & Roads – 3.81ha	As per the AR 2023-24.
3p	Production of ROM mineral during last five-year period, as applicable	Manganese ore 2022-23 :3000 2023-24 :3000 Iron ore: 2022-23 : 62000 2023-24 : 62000  (in tonnes)	Manganese ore 2022-23 :2999 2023-24 :2999 Iron ore : 2022-23 :62000 2023-24 :62000  (in tonnes)	-
3q	General remarks of inspecting officer on method of mining etc.	There is no change in the method of mining.		

### Solid Waste Management-Dumping

S.N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of	Separate	Separate	-

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	topsoil, OB & mineral reject (Rule 32, 33)	Dumping of Overburden, Mineral proposed.	Dumping of Overburden, Mineral, maintained	
4b	Location of topsoil, OB & mineral reject dumps	South Western side of the ML.	South Western side of the ML.	-
4c	Number of dumps within lease area and outside lease area	1 OB dumps within the Mining lease.	1 OB dumps within the Mining lease.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the Ultimate Pit Limit	Outside the Ultimate Pit Limit	-
4e	Number of active & alive dumps	1 active waste dump	1 active waste dump maintained	-
4f	Number of dead dumps	No proposal.	Nil	-
4g	Number of dumps stabilized	No proposal.	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	358m Retaining wall , 377m Garland drain & 1498m fencing proposed.	Not carried out	-
4i	Length of Retaining wall or garland drain all along dump	358m Retaining wall , 377m Garland drain & 1498m fencing proposed.	Construction of 358m Retaining wall , 377m Garland drain & 1498m fencing not carried out.	Violation pointed out.
4j	Number of settling ponds	No proposals	nil.	-
4k	Specific comments of inspecting officer on waste dump management.	The construction of Retaining wall , Garland drain & fencing has not been carried out. Violation has been pointed out.		

### Solid Waste Management-Backfilling

S.N	Item	Proposals	Actual work	Remarks
5a	Status on part or full	No proposal	Nil	-

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	extraction of mineral from mined out area before starting backfilling			
5b	Area under backfilling of mined out area	No proposal	Nil	-
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	There are no proposals for backfilling.		

### Progressive Mine Closure Plan

S.N	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)..	To be submitted the annual report on PMCP under Rule26(2)	Annual PMCP Report for the year 2023-24 submitted on 29.06.2024	-.
6b	Area available for rehabilitation (ha)	0.69ha	0.69ha	-
6c	Afforestation done (ha)	0.69ha within lease	0.69ha within lease area	As reported by the lessee during the inspection.
6d	No. of saplings planted during the year	1500	1500saplings planted inside ML area.	As reported in AR2023-24.
6e	Cumulative no. of plants	1500	1500	As reported by the lessee

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6f	Any other specific method of rehabilitation	No proposals	Nil	-
6g	Cost incurred on watch & care during the year	No proposals	Nil	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposals	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposals	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposals	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposals	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposals	Nil	-
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposals	Nil	-
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposals	Nil	-



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6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposals	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring proposed for Air, Water & Noise.	Environment monitoring for Air, Water & Noise carried out.	All the environmental parameters within limit
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	No specific comments on compliance of PMCP and progressive closure operations.		

### Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mechanical and manual sorting within the lease proposed	Mechanical and manual sorting within the lease carried out for different sizes	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual grade wise sorting for Mn ore and Mechanical for Iron ore proposed	Manual grade wise sorting for Mn ore and Mechanical for Iron ore	-
7c	Different grade of mineral sorted out at mines	- 40mm+10mm	- 40mm+10mm	-
7d	Any beneficiation process at mines	Only sorting and sizing	Only sorting and sizing carried out.	-

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7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No specific comments		

## Environment

S. N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	nil	No top soil generated
8b	Concurrent use or storage of topsoil	No proposal	nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for Separate dumping of Overburden/ Mineral	Separate dumping of Overburden/ Mineral is carried out.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	nil	
8f	Baseline information on existence of plantation & additional plantation done	1500nos. of saplings out side and inside the ML area.	1500nos. of saplings planted.	As reported in AR2023-24

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	(Rule 41)			
8g	Survival rate	75%	80%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water tanker deployed to control the airborne dust on haul roads and screening plant.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	There is no change in aesthetic beauty in and around mines area.		
<b>Compliance of Rule 45</b>				
<b>S. N.</b>	<b>Item</b>	<b>COMMENTS</b>		<b>Remarks</b>
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to May, 2024 A.R. for the year 2023-24 submitted on 29.06.2024.		-
<b>S. N.</b>	<b>Item</b>	<b>Details GIVEN in A.R.</b>	<b>Observation of I/Officer</b>	<b>Remarks</b>
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	B.Shankar, Mining Engineer, Iswar N.Kolar, Mine Manager Chetan Kumar M.V, Geologist	Appears to be correct	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining Area under mining – 2.97ha OB Dumping - 1.46ha Infrastructure & Roads –	Appears to be correct	-

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		3.81ha		
9d	Scrutiny of Annual return on afforestation	1500nos. of plants (inside the ML)with 80% survival rate	Appears to be correct	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Mn ore : O/S – nil Production - 2999t C/S – 2924t Iron ore : O/S - 4920t Production - 62000t C/S – 21920t	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production- Rs755.76/tonne Ex-price mine- Rs 1129.98/tonne	Appears to be correct	-
9i	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs 504228/-	Appears to be correct	-
9k	Scrutiny of Annual return on mining machineries	Machinery deployed: Excavators- 3 Wheel loader-2 Tippers- 5 Water tanker-1 Drill-1	Appears to be correct	-

Date :

(K. Srinivas)  
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Indian bureau of Mines