

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

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/VZNR/MN-102/HYD

Mine code : 40APR20039

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri M.Pratap Reddy, QP and Shri Ashok Koda, Nominate
Official with
Designation
- (iv) Date of Inspection : 01/10/2024
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MAHESHWARI**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : BANKURWAVALAYA
- Taluka : BOBBILI
- Post office : SOMPURAM BANKURWA VALAYA
- Pin Code :
- FAX No. :
- E-mail : nil
- Phone :
- (f) **Police Station** : RAMABHADRAPURAM
- (g) **First opening date** : 23/02/1991
- (h) **Weekly day of rest** : SUN
2. **Address for** : M/S S.K. SARAWAGI &CO (P0) ltd,
correspondance PO: CHIPURAPALLI,
DIST:VIZIYANAGARAM.
3. (a) **Lease Number** : APR0181
- (b) **Lease area** : 15.64
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 22/01/2001
4. **Mineral worked** : MANGANESE ORE Main

5. Name and Address of the

Lessee : SK SARAWAGI AND (P)CO LTD
 VIZIANAGARAM ANDHRA
 PRADESH
 Phone:08952 83225 &83374
 FAX :

Owner : SK SARAWAGI & CO.
 SK SARAWAGI & CO.
 CHIPURPALLI VILL&PO
 VIZIANAGARAM DISTRICT
 VIZIANAGARAM ANDHRA PRADESH
 Phone:
 FAX :

Agent : ASOK KONDA
 S.K.SARAWAGI & CO(P) Ltd.
 CHEEPURUPALLI VIZIANAGARAM
 DT. VIZIANAGARAM ANDHRA
 PRADESH
 Phone:
 FAX :

Manager
 Name : M.APPALA RAJU
 Qualification : AMIE
 Appointment/ : 01/12/0004
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31/03/2005
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	10/08/2007
	:	Mining Scheme rule 12 MCDR1988	27/10/2014
	:	Mining Scheme rule 12 MCDR1988	05/05/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no backlog of exploration from previous year.	No exploration was carried out during the year 2023-24	No comments
1b	Exploration over lease area for geological axis 1 or 2	Nil	The lease area covered under G-1 level of exploration is 1.88 ha. However, about 0.69 ha is under G-2.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24 (September 2023) to 2024-2025. In the said document, the lessee has proposed to carry out drilling during the year 2024-25. Further, lessee submitted the draft review of mining plan, the same is under process.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2		The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24 (September 2023) to 2024-2025. In the said document, the lessee has proposed to carry out drilling during the year 2024-25. Further, lessee submitted draft review of mining plan, the same is under process.	No comments.

1e	Balance reserve as on 01/04/20	Nil	The reserves as on 01.04.2024= 428026.51 t	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025. In the said document, the lessee has proposed to carry out drilling during the year 2024-25. Further, lessee submitted draft review of mining plan, the same is under process.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal was made for exploration during the year 2023-24	No exploration was carried out during the year 2023-24	No comments.The mineralization is confined to Khondalite group.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop south west of the lease area.	The same was observed during the inspection.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023(worked only five months during 2023-24). Further, lessee submitted the draft review of mining plan, the same is under process.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have separate benches in the ore and overburden. Overburden / waste: 06 nos., Mineral/ ore=7 nos.	The same was observed during the inspection.	-do-
2c	Stripping ratio or ore to OB ratio	1: 5	1: 2	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023(worked only five months during 2023-24). Further, lessee submitted the draft review of mining plan, the same is under process.
2d	Quantity of topsoil generation in m3	Nil	Nil	-do-
2e	Quantity of overburden generation in m3	369396	8616	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development production is being done through orther than fully mechanised means. The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	one	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.

3b	Quantity of ROM mineral production proposed	65605 t	25182 t	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
3c	Recovery of sailable/usable mineral from ROM production	61%	61%	-do-
3d	Quantity of mineral reject generation	25586 t	Nil	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
3e	Grade of mineral rejects generation and threshold value declared.	<15%	<15%	-do-

3f	Quantity of sub grade mineral generation.	No proposal	Nil	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
3g	Grade of sub grade mineral generation	Not applicable	Nil	-do-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	The ROM is screened manually and sorted for removal of waste material.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study has been proposed during the plan period.	Not applicable.	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting was proposed . Dai-110m, spacing -3m, burden-2.5 m, explosive 5.7 kg/hole	The same was observed during the inspection.	drilling and blasting techniques are being used as muffled.

3k	Provision of mining machineries in mineral benches	1) drilling crawler mounted =01 no. 2) Excavation PC 450 and P C300=2 nos. 3) wheel loader =01 no. 4)water tanker =01 . 5) tippers =04 nos 6) dewatering pumps =02 nos 20 and 40 HP.	The same was observed during the inspection.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a bench height OB/ waste=3 m, mineral /ore= 6 m.	The same was observed during the inspection.	Height of the bench in ore /mineral and overburden/waste are compatible with the digging height of the deployed excavator.
3m	Total area covered under excavation/pits	7.7 ka	7.7 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1: 5	1: 2	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.

3o	Total area put in use under different heads at the end of year	9.1 ha	8.84	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
3p	Production of ROM mineral during the last five year period as applicable	2018-19=41071.48 T 2019-20=36395.07 T 2020-21=21099 T 2021-22=40116.34 T 2022-23=40301.13 T 2023-24=65605.4 T	2018-19=12744 T 2019-20=24575 T 2020-21=18502 T 2021-22=NIL 2022-23=Nil 2023-24=25182 T	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023(mine was worked 5 months only). Further, lessee submitted the draft review of mining plan, the same is under process.
3q	General remarks of inspecting officers on method of mining etc.			Mining is being done through the opencast method with orther than fully mechanised means.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	-do-
4c	Number of dumps within lease area and outside of lease area	Within lease area =01	with in the lease area =01	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South east of the lease area.	south east of the lease area.	-do-
4e	Number of active and alive dumps.	one	one	Nil
4f	Number of dead dumps.	No proposal	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	It was proposed to consturct garland drain of 150 m	The same was observed during the inspection.	Nil
4i	Length of Retaining wall or garland drain all along dumps	It was proposed to consturct garland drain of 150 m	The same was observed during the inspection.	Nil
4j	Number of settling ponds	No proposal	Nil	None

4k	Specific comments of inspecting officer on waste dump management			One dump within the lease area and waste management is carried out as proposed.
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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal during 2023-24	Nil, area is not matured for reclamation and rehabilitation.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
5b	Area under backfilling of mined out area	No proposal	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal during 2023-24	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Not envisaged, as area is not matured for reclamation.	Not envisaged, as area is not matured for reclamation.

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).	Annuaif Report on PMC compliance is to be submitted before 1st Jufy every year .	Annual Report on PMCP compliance has been submitted for the year 2023-24.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
6c	afforestation done (ha).	0.02 ha, 30 nos.of saplings	0.03 ha ., 240 nos. of saplings	-do-
6d	No. of saplings planted during the year	30 nos.	240 nos.	-do-
6e	Cumulative no .of plants	--	1700 nos.	-do-
6f	Any other method of rehabilitation	No proposal	Nil	-do-
6g	Cost incurred on watch and care during the year	Rs.10,000/-	Rs.15000/-	-do-

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Nil	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	-do-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil	-do-

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Lessee is regularly monitoring air , water and noise and all the parameters are within permissible limits.	-do-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP measures were carried out as proposed.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed to carry out grade wise sorting in the lease.	Same was noticed during the inspection.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24 (September 2023) to 2024-2025 and the mining operations are started in November 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-do-
7c	Different grade of mineral sorted out at mines.	Yes	It was observed during the inspection that different grade of mineral sorted out at mines.	-do-
7d	Any beneficiation process at mines	No Proposal	Nil	-do-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	It was proposed to carry out grade wise sorting within the lease.	Same was being carried out as proposed.	No comments.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to carry out grade wise sorting in the lease.	Same was noticed during the inspection.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24 (September 2023) to 2024-2025 and the mining operations are started in November 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
8b	Concurrent use or storage of topsoil	Manual	Manual	No comments.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	It was proposed to have separate dumps for the oB.	Same was implemented during the inspection.	No comments.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Except for the plantation made by the lessee, no other plantation was noticed during the inspection.	Nil

8g	Survival rate	60%	60%	Nil
8h	Water sprinkling on roads to control airborne dust	It was proposed to control the dust suppression by water sprinkling.	same was noticed during the inspection.	No comments.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		The environmental protection measures as envisaged are implemented by the lessee.	The aesthetic beauty of the lease can be termed as average.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Lessee is Regularly submitting Monthly and Annual returns	Submitted Annual returns for the year 2023-24 within time.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details of Mining Engineer and Geologist as mentioned in the AR submitted for the year 2023-24 is as follows. Mining Engineer :- P.Arun Jyothi and Geologist:- M. Koteswara Rao.	Same !,ras confirmed during the inspection.	No comments.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current workings=7.700 ha, Area used for waste disposal=1.110 ha., Area occupied by roads etc=0.010 ha. Area used for orthers (plantation) =0.020 ha.	Same was confirmed during the inspecti.on.	No comments.
9d	Scrutiny of Annual return on afforestation	240 nos. of saplings.	Yes	No comments.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None

9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the Annual Return 2023-24, production=25182 t	Same was confirmed during the inspection.	The lessee got approved modified Mining Plan document on 05.09.2023 for two years from 2023-24(september 2023) to 2024-2025 and the mining operations are started in november 2023. Further, lessee submitted the draft review of mining plan, the same is under process.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	"Cost of production & Ex-mine price Rs 2799/Tonees, ex-mine price=Rs .3136.42 and sale value=Rs.610/-	The details furnished in the annual returns is found correct	Nil
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported was =Rs . 79938346/-	Same was confirmed during the inspection	No comments.
9k	Scrutiny of Annual return on mining machineries	1) Hydraulic shovel -01 no. 2) Tippers - 04 nos. 3) Water tanker - 1 no. 4) wjeel loader=01 no. 5) M.T.P. (Elec.Motor)=01 no.	Same was observed during the inspection.	No comments.

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

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines