

MCDR INSPECTION REPORT

General

Sl. No.	Particulars	Details
1	Name of the Mine	JURURI IRON ORE MINE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	73.413 (Ha) (FOREST LAND-67.437, NON FOREST-5.976)
3	Mine code	30ORI08122
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/23090/2020
5	Name of the lessee, Address, phone, email and fax number	M/s. Jagat Janani Services Private Limited. At-Nambira, PO-Bamebari, Dist-Keonjhar, PIN -758034, Odisha, Mob-8599057844, E-mail- sanatanmahakud485@gmail.com
6	Village	Jalahari
7	Taluka/Mandal	Badbil
8	District	KEONJHAR
9	Pin code	758034
10	State	ODISHA
11	Post office	Jajang
12	Nearest police station	Joda
13	Nearest Railway station	Jaroli
14	Date of Grant of Mining Lease	18-03-2020
15	Date of Execution	04-07-2020
16	Date of opening of Mine	16-08-2020
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	SANATAN MAHAKUD AT-NAMBIRA,P.O-BAMEBARI, DIST-KEONJHAR-758034,ODISHA, Mob - 8599057844
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	BISWAMITRA MAHAKUD AT-NAMBIRA,PO-BAMEBARI, DIST-KEONJHAR-758034, ODISHA, Mob - 8599057844 Date of Appointment-01/08/2020
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	GOVINDA CHANDRA BHOI JURURI IRON ORE BLOCK AT-JALAHARI, P.O-JAJANG, VIA-JODA, DIST-KEONJHAR, PIN-758034, ODISHA, Mob - 9437451971 Date of Appointment-01/09/2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	GOVINDA CHANDRA BHOI Degree(Mining) FCC (Metal) JURURI IRON ORE BLOCK AT-JALAHARI, PO-JAJANG, VIA-JODA DIST-KEONJHAR, PIN-758034,ODISHA, Mob - 9437451971

		Date of Appointment-20/01/2021
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	B.N. MOHANTY JURURI IRON ORE BLOCK AT-JALAHARI, PO-JAJANG, VIA-JODA DIST-KEONJHAR, PIN-758034, ODISHA, Mob -7008741494 Date of Appointment-07/11/2020
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	YES
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	MP/A/28-ORI/BHU/2020-21/2249, DT-03-12-2020
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NIL
28	Mineral(s) granted in lease and proved for mining	IRON
29	Method of Mining(Open cast, Underground)	OPENCAST
30	Category (Fully Mechanised, Others or Manual)	FULLY MECHANISED
31	Captive/Non Captive	NON CAPTIVE

Exploration

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as per latest approved document	6,00,218t	1,56,310 t	

Development

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
2a	Location of development w.r.t. lease area	Top Pit 2428877N to 2428987N 335310E to 335748E	Top Pit 2428877N to 2428987N 335310E to 335748E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Adopted	
2c	Stripping ratio or ore to OB ratio	1:0.15 T/cum	1:0.15 T/cum	
2d	Quantity of topsoil generation in m3	NIL	NIL	

2e	Quantity of overburden generation in m ³	46050m ³	11642 m ³	First year of mining operation maximum time spent for rectified the high wall benches of ex-lessee. Hence less removal of OB.
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EXPLOITATION

N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	600218 t	156310t	
3c	Recovery of salable/usable mineral from ROM production			
3d	Quantity of mineral reject generation	141413(MT)	156310.000 (MT)	
3e	Grade of mineral reject generation and threshold value declared	+45 TO -55	+45 TO -55	
3f	Quantity of sub-grade mineral generation	141413(MT)	156310.000 (MT)	
3g	Grade of sub-grade mineral generation	45% FE TO -55% FE	45% TO -55 % FE	
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANICAL	MECHANICAL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	
3j	Provision of drilling & blasting in mineral benches	Controlled Blasting (Deep Hole Blasting)	Controlled Blasting (Deep Hole Blasting)	
3k	Provision of mining machineries in mineral benches	YES	YES	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Suitable	
3m	Total area covered under excavation/pits	1.973 Ha	0.652 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.15	1:0.15	
3o	Total area put in use under different heads at the end of year	40.8 Ha	38.314 Ha	Already exploited by opencast mining area- 24.348 Ha

				cover under current working-	0.652 Ha
				Reclaimed area-	0 Ha
				Waste Disposal-	6.606 Ha
				Other Purpose (Mineral Storage, Garland Drain, Retaining Wall)-	6.228 Ha
				Occupied by Rest shelter & Road-	1.480 Ha
3p	Production of ROM mineral during last six-year period, as applicable (t) 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23	NA 700263 1000200 600218	NA 71690.00 214683.920 156310.000	Auctioned mine wef 04.07.20	

Solid Waste Management-Dumping

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	TS-NIL OB-92100 cum Mineral reject-141413 t	Nil OB-24450 t Mineral reject-156310.000 t	
4b	Location of topsoil, OB & mineral reject dumps	TS- NIL Mineral Reject 2429197Nto2429267 336508E336562E OB- 2429158N to 2429266N & 335955E to 336081E Mineral reject-	NIL OB-2429158N to 2429266N & 335955E to 336081E (Village pit) Mineral reject-	
4c	Number of dumps within lease area and outside lease area	2 NIL	1 NIL	
4d	Location of dumps w.r.t.	2429158N to 2429266N & 335955E to 336081E	2429158N to 2429266N &	

	ultimate pit limit		335955E to 336081E	
4e	Number of active & alive dumps	2	1	
4f	Number of dead dumps	2	2	(Excluding Ex-lessee)
4g	Number of dumps stabilized	2	2	Ex-lessee
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Maintenance is going on.
4i	Length of Retaining wall or garland drain all along dump	NIL	Maintenance	Maintenance is going on.
4j	Number of settling ponds	1	1	

Solid Waste management-Backfilling

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	NA	
5b	Area under backfilling of mined out area	NIL	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	Nil	
5d	Total area fully reclaimed & rehabilitated	NA	—	

Progressive Mine Closure Plan

N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Yes	
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	Nil 3140 M ² 502 991	Nil 6000M ² 500 1600 35,000/-	

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	NIL	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	502 0.31 Nil	500 0.6 By plantation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air- 4 C, 4B Water- 3c, 7B Noise- 3C, 4B	Achieved as per proposal	

Mineral Conservation

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise Lumps & Fines	Achieved	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	-55, 55-58, 58-60 & 60-62 % Fe	-55, 55-58, & 58-60 % Fe	
7d	Any beneficiation process at mines	No	No	

Environment

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No	No	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Yes	Yes	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes in future	Yes	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional Plantation done	Yes	Yes	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted Before 10 th of every month A.R. Submitted 1 st July of every year.		
S.N.	Item	Details given in A.R. for the year 2022-23	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Govinda Chandra Bhoi Geologist-BichitraNanda Mohanty Mines Manager- Govinda Chandra Bhoi	Checked and found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited by opencast mining area-24.348 Ha cover under current working- 0.652Ha Waste Disposal-6.606 Ha Other Purpose (Mineral Storage, Garland Drain, Retaining Wall)- 6.228 Ha Occupied by Rest shelter & Road-.1.480 Ha	Checked and found in order	

9d	Scrutiny of Annual return on afforestation	1600 nos	Checked and found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	45% Fe to 55%Fe 156310.000 (MT)	Checked and found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1,56,310.000 t	Checked and found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value-0 Ex. Mine price- Production Cost-1192.05	Checked and found in order	
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Drilling machine- 69HP,110 mm dia- 1 no Shovel- 4.5 cubic meter- 1,2.3 cubic meter- 2nos,1.5 cubic meter-1 no, Dozer-1, Dumper- 35t- 3 nos, 20 t- 3 nos Crusher-350HP- 1 no, Loader-1 no	Checked and found in order	Nil Violation

Monthly returns scrutinized and found in Order.

Nil Violations observed.