

## MCDR INSPECTION REPORT

Date of Inspection: 10.01.2025

### General

S. N.	Particulars	Details
1	Name of the Mine	Nuagoan Iron & Manganese Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non- forest      29.257 Forest Area      0.00
3	Minecode	400RI13050
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/135/2011
5	Name of the lessee, Address, phone, email and fax number	Sri Prabodh mohanty, Weigh bridge road Barbil, Post: Barbil, Dist: Keonjhar, Odisha, pin -758035, Phone No.:9437197242 E-mail: <a href="mailto:snmdbl@gmail.com">snmdbl@gmail.com</a> Fax No.: 06767275362
6	Village	Nuagoan
7	Taluka/Mandal	Koira
8	District	Sundargarh
9	Pincode	770048
10	State	Odisha
11	Post office	Koira
12	Nearest police station	Koira
13	Nearest Railway station	Barsuan
14	Date of Grant of Mining Lease	Letter no-iii (B) SM – 14/95 – 4239 Dt. 06-06-98
15	Date of Execution	11.05.1999
16	Date of opening of Mine	11.05.1999
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	Sri Prabodh mohanty, Weigh bridge road Barbil, Post : Barbil, Dist: Keonjhar, Odisha, Pin -758035, Phone No.:9437197242 E-mail: <a href="mailto:snmdbl@gmail.com">snmdbl@gmail.com</a> Fax No.: 06767275362
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri T.C. Sei Dt.19.3.2005 Barbil, Keonjhar, Odisha
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri A. N. Prasad Koira, Sundergarh, Odisha Date of appointment-29/03/2011
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Subrat Kumar Patel, Post: Barbil, Dist: Keonjhar, Odisha, pin -758035, Phone No.:7437918084
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Soukeen Mahanta, MSc. In applied Geology, Experience:8 years, post : Barbil, Dist: Keonjhar, Odisha, pin -

		758035, Phone No.:9439873745 E-mail: <a href="mailto:smbbl@gmail.com">smbbl@gmail.com</a>
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes, <b><u>Mining Engineer:</u></b> Sri Subrat Kumar Patel, Post: Barbil, Dist: Keonjhar, Odisha, pin -758035, Phone No.:7437918084 <b><u>Geologist:</u></b> Sri Soukeen Mahanta, MSc. In applied Geology, Experience:8 years, post: Barbil, Dist: Keonjhar, Odisha, pin - 758035, Phone No.:9439873745 E-mail: <a href="mailto:smbbl@gmail.com">smbbl@gmail.com</a>
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	CAL/SG/Fe & Mn /MP-536 DT- 30.04.1998 MSM/OTF-MECH/49-ORI/BHU/2008- 09 DT-25.03.2009
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MS/OTFM/29-ORI/BHU/2018- 19/1963 on Dt.- 14.11.2018, FY-2019- 20 to 2023-24
28	Mineral(s) granted in lease and proved for mining	Iron and Manganese
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	OTFM
31	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

### Exploration

S.N.	Item	Proposals for,2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	Nil	Nil	There was no proposal of exploration.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	Already 21.33 ha. Area explored under G1 level. Other 7.927 hectare area is unexplored because it comes under tenant land.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	7.932 ha	Nil	7.927 hectare area is unexplored because it comes under tenant land and no surface right available till

				date.
1e	Balance reserves as per latest approved document		Reserve of Iron: 638054.00 tons Manganese:22181 5.00 tons	Reserve as on 01.04.2024
1f	General remarks of inspecting officer on geology, exploration etc.	There was no exploration proposal during the reporting year and accordingly no exploration was carried out within the lease area during the reporting year FY 2023-24. As per submitted AR of 2023-24 about 638054.00 tons of iron ore and 221815.00 tons of reserve available in the mine.		

### Development

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	233E -115to 260 N to 212S	231 E -115 W to 226 N-190S	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	1: 3.9	1: 0.172	
2d	Quantity of topsoil generation in m3	Nil	Nil	Generation of top soil is Nil during the
2e	Quantity of overburden generation in m3	163260 m <sup>3</sup>	5843.800 m <sup>3</sup>	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. As the production and development is less generation is also very less against the proposal during

				the reporting year.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. As the production and development is less generation is also very less against the proposal during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 03.02.2025 to the lessee in this regard.		

### Exploitation

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Iron -105705.00T Mn.-13350.00T	Iron - 33360.00 tons Mn. -480.00 tons	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. Hence the production and development is less against the proposal during the reporting year.
3c	Recovery of salable/usable mineral from ROM production	Iron- 60750.00 tons Mn.- 9256.00 tons	Iron - 2508.78 tons Mn.- 480.00 tons	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. Hence the production and development is less against

				the proposal during the reporting year.
3d	Quantity of mineral reject generation	Iron – 44955.00 Manganese –4094 T	Iron – 30851.22T Manganese –0.00T	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. Hence the production and development is less against the proposal during the reporting year.
3e	Grade of mineral reject generation and threshold value declared	<b>Mn-</b> Mineral reject is 10%-25% Mn & threshold value is 10% of Mn content <b>Fe-</b> Mineral reject is 45-55% Fe & threshold value is 45% of Fe content.	<b>Mn-</b> Mineral reject is 10%-25% Mn & threshold value is 10% of Mn content <b>Fe-</b> Mineral reject is 45-55% Fe & threshold value is 45% of Fe content.	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual for manganese & mechanized methods are adopted for segregation of ROM of iron ore.	Manual for manganese & mechanized methods are adopted for segregation of ROM of iron ore.	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	No such analysis or beneficiation study carried out for sub-grade mineral and mineral reject by us.	
3j	Provision of drilling & blasting	Deep Hole drilling	Nonel type	

	in mineral benches	was proposed keeping depth 5.5 m, spacing up to 2.5m, burden 2m & blasting was proposed and few rock breakers will be used for hard Ore breaking.	detonator is used in the hole of depth 5-6 m with spacing 2.5m and burden 2m for blasting to control noise and for better fragmentation.	
3k	Provision of mining machineries in mineral benches	Deployment of mining machinery is proposed in mineral benches by Shovel Dumper Combination  ROM will be excavated and loaded in the 20T dumper by 0.9 m <sup>3</sup> to 2.5 m <sup>3</sup> excavators.	Deployment of mining machinery are being carried out in mineral benches by Shovel Dumper combination.  ROM is excavated and loaded in the 20T dumper by 0.9 m <sup>3</sup> to 2.5 m <sup>3</sup> excavators.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes : 5 meter in manganese bench & 5 meter in iron bench	Yes : 5meter in manganese bench & 5 meter in iron bench	
3m	Total area covered under excavation/pits	10.080 Ha.	9.930 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1: 3.9	1: 0.172	
3o	Total area put in use under different heads at the end of year	Area under Mining: 10.080 Overburden/ Waste dumping: 5.200 Mineral Storage: 3.871 Infrastructure (Occupied by plants buildings & roads: 0.650 Reclaimed : 0.201	Area under Mining: 9.930 Overburden/ Waste dumping: 5.171 Mineral Storage: 3.871 Infrastructure (Occupied by plants buildings & roads: 0.650 Reclaimed : 0.201	

3p	Production of ROM mineral during last six-year period, as applicable	<p><b><u>Iron Ore: (tons)</u></b>  2017-18: 117600.000  2018-19: 125440.000  2019-20: 92655.000  2020-21: 95918.000  2021-22: 100485.000  2022-23: 105705.000  <b><u>Mn. Ore: (tons)</u></b>  2017-18: 5096.000  2018-19: 5642.000  2019-20: 10050.000  2020-21: 11025.000  2021-22: 12150.000  2022-23: 13350.000</p>	<p><b><u>Iron Ore: (tons)</u></b>  2017-18: 9090.000  2018-19: 4700.000  2019-20: 3000.000  2020-21: 4000.000  2021-22: 7300.000  2022-23: 33360.000  <b><u>Mn. Ore: (tons)</u></b>  2017-18: Nil  2018-19: Nil  2019-20: 360.000  2020-21: 973.850  2021-22: 310.000  2022-23: 480.000</p>	
3q	General remarks of inspecting officer on method of	The lessee has carried out the development well within the proposed area and could not achieved the proposed target due to grade constraint and less demand of low grade minerals in the market. As the production and development is less generation is also very less against the proposal during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 03.02.2025 to the lessee in this regard.		

### Solid Waste Management-Dumping

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Separate dumping of topsoil, OB & mineral reject was proposed for the reporting year.	Separately dumping of OB, & mineral reject done as per proposal during the reporting year FY 2023-24.	
4b	Location of topsoil, OB & mineral reject dumps	OB-38E-139W, 5N-184S, Mineral reject-123E-56W, 315N-276N	OB- 38E-139W, 5N-184S, Mineral reject-123E-56W, 315N-276N	
4c	Number of dumps within lease area and outside lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit	OB-38E-139W, 5N-184S	OB- 38E-139W, 5N-184S	
4e	Number of active & alive dumps	One active Dump	One active Dump	
4f	Number of dead dumps	Nil	Nil	

4g	Number of dumps stabilized	One Dump	One Dump is partly stabilized by 3000 m <sup>2</sup> coir matting.	
4h	Whether Retaining wall or garland drain all along dumps are there	Maintenance of existing retaining wall garland drains have been proposed. Maintenance of 575 mtr. retaining wall and 150 mtr. garland drain has been proposed in the reporting year.	Maintenance of existing retaining wall garland drains have been proposed. Maintenance of 575 mtr. retaining wall and 150 mtr. garland drain has been carried out in the reporting year FY 2023-24.	
4i	Length of Retaining wall or garland drain all along dump	Maintenance of existing retaining wall garland drains have been proposed. Maintenance of 575 mtr. retaining wall and 150 mtr. garland drain has been proposed in the reporting year.	Maintenance of existing retaining wall garland drains have been proposed. Maintenance of 575 mtr. retaining wall and 150 mtr. garland drain has been carried out in the reporting year FY 2023-24.	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	The lessee has carried out the development and production partially within the proposal but the lessee could not able to achieve the proposal during the reporting year due to grade constraint and less demand of low grade minerals in the market. The lessee has carried out maintenance of about 575mtr of retaining wall and garland drains against a proposal of 150mtr of retaining wall and garland drains during the reporting year. However, a violation letter under rule 11(1) of MCDR 2017 has been issued vide dated 03.02.2025 to the lessee in this regard.		

### Solid Waste Management-Backfilling

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Nil	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	



5e	General remarks of inspecting officer on backfilling, reclamation etc	There was no such proposal for backfilling of waste material during the reporting year. Only proposal for waste dumping and its protective measures during the reporting year. Lessee has carried out Solid Waste Management as per the proposal in the approved document during FY 2023-24.
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### Progressive Mine Closure Plan

S. N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	As per Rule 26(2) Annual PMCP report to be submitted before 1st day of July of Every Year.	The lessee has submitted Annual PMCP report as per Rule 26(2) of MCDR 2017 within the stipulated period during the reporting year FY 2023-24.	
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	i. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil vi. Nil	
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	i. Nil. ii. Nil iii. Nil iv. Nil v. Nil	i. Nil ii. Nil iii. Nil iv. Nil v. Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 250 nos of saplings ii) Area: 0.10 Ha. iii) Plantation with 85 % survival	i) 750 nos of saplings during reporting year and cumulatively 48050 saplings ii) Area: 0.25 Ha. iii) Plantation with 80 % survival	
6e	Compliance of Environmental	Environmental	Environmental	

	monitoring (core zone & buffer zone)	monitoring in Core zone and buffer zone will be as per MOEFCC and SPCB guidelines.	monitoring in Core zone and buffer zone were carried out as per MOEFCC and SPCB guidelines during the reporting year FY 2023-24.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The lessee has carried out afforestation and environmental monitoring as per the proposal during the reporting year. The lessee has carried out plantation of 750 nos of saplings over 0.25 Ha. @ 80% of survival rate during the reporting year FY 2023-24. There is such proposal for backfilling of generated waste material during the reporting year. PMCP proposals carried out by the lessee are more or less in order w.r.o. the proposals.		

### Mineral Conservation

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe were proposed.	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe are being carried out.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Both manual & Mechanize	Both manual & Mechanize is adopted for sorting.	
7c	Different grade of mineral sorted out at mines	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe were proposed.	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe are being carried out.	
7d	Any beneficiation process at mines	Nil	Nil	No Such proposal

				during the reporting year.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe are being practised. Further no beneficiation process was proposed during the reporting year.		

### Environment

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	No such proposal for the reporting year.	Incidental occurrence of very small amount of clay soil have been generated and concurrently utilized for plantation purpose till the date of inspection during the reporting year.	
8b	Concurrent use or storage of topsoil	No such proposal for the reporting year.	Incidental occurrence of very small amount of clay soil have been generated and concurrently utilized for plantation purpose till the date of inspection during the reporting year.	As the ML area is totally degraded because of different mining activity and no vegetated (Forest) land is currently present within ML area, so there is no chance of regeneration of top soil. So no use or storage of top soil at mine site.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumps for overburden and mineral reject stacks, waste rocks are proposed.	Separate dumps for overburden and mineral reject stacks, waste rocks are maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration,	No proposal	Nil	

	reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional Plantation done	About 250 nos of saplings over 0.10 Ha. area were proposed to be planted @ with 90% survival rate.	About 750 nos of saplings over 0.25 Ha. area were planted @ with 80 % survival rate during reporting year and cumulatively 48050 saplings were planted within the lease area.	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling by water tanker over haul roads has been carried out during the reporting year.	Water sprinkling by water tanker and mobile water sprinklers over haul roads has been carried out by using 2 nos of water tankers during the reporting year.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The lessee has planted 750 no of saplings over 0.25 Ha. with a survival rate of 80 % & cumulatively 48050 saplings were planted within the lease area. Water sprinkling by water tanker and mobile water sprinklers over haul roads to control the airborne dust and to minimize the fugitive dust emission. This sustains the aesthetic beauty of the mine area.		

### Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto December 2024 A.R. Submitted upto FY 2023-24  Monthly returns and annual return for the reporting year have been submitted within the stipulated time period.		
S.N.	Item	Details given in A.R. for the year 2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	1. Shri A. N. Prasad, - Mines Manager 2. Subrat Kumar Patel - Mining Engineer 3. Shri Soukeen Mahanta - Geologist. were	1. Shri A. N. Prasad, - Mines Manager 2. Subrat Kumar Patel - Mining Engineer 3. Shri Soukeen Mahanta - Geologist. were present during the inspection.	

		present during the inspection.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining: 9.930 Overburden/ Waste dumping: 5.171 Mineral Storage: 3.871 Infrastructure (Occupied by plants buildings & roads: 0.650 Reclaimed : 0.201	Area under Mining: 9.930 Overburden/ Waste dumping: 5.171 Mineral Storage: 3.871 Infrastructure (Occupied by plants buildings & roads: 0.650 Reclaimed : 0.201	
9d	Scrutiny of Annual return on afforestation	About 750 nos of saplings over 0.25 Ha. area were planted @ with 80 % survival rate during reporting year and cumulatively 48050 saplings were planted within the lease area.	About 750 nos of saplings over 0.25 Ha. area were planted @ with 80 % survival rate during reporting year and cumulatively 48050 saplings were planted within the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe are being practised.	<u>Manganese Ore:</u> Saleable Ore: +25 % Mn, Mineral Reject:- +10 to 25% Mn <u>Iron Ore:</u> Saleable Ore: +54 % Fe, Mineral Reject:- +45 to 54% Fe are being practised.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	<u>Manganese Ore:</u> Opening Stock: Nil Production: 480.000 tons Closing Stock : Nil <u>Iron Ore:</u> Opening Stock: Nil Production: 33360.000 tons Closing Stock : Nil	<u>Manganese Ore:</u> Opening Stock: Nil Production: 480.000 tons Closing Stock : Nil <u>Iron Ore:</u> Opening Stock: Nil Production: 33360.000 tons Closing Stock : Nil	

		Closing Stock : Nil		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production Rs. 3025.28/- furnished in submitted Annual Return for FY 2023-24.	Cost of production Rs. 3025.28/- furnished in submitted Annual Return for FY 2023-24.	
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs.286716/-, furnished in the annual return of the reporting year.	Fixed Asset: Rs. 286716/-, furnished in the annual return of the reporting year.	286716
9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.900 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 100.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 6.000 CUM/MN 1 Non Electrical Opencast DUMPER 10.000 TONNE 4 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast	BACK HOE 0.900 CUM 1 Non Electrical Opencast ROCK DRILL (NON-ELEC.) 100.000 MM 1 Non Electrical Opencast AIR COMPRESSOR 6.000 CUM/MN 1 Non Electrical Opencast DUMPER 10.000 TONNE 4 Non Electrical Opencast WATER TANKER 8000.000 LITRE 1 Non Electrical Opencast	