

Ref.:NSE, BSE, CSE/OMDC/CS/10-2024/01
Dated: 09.10.2024

To, The Compliance Department National Stock Exchange of India Limited Exchange Plaza, Plot No. C/1, Block —G, Bandrakurla Complex, Bandra (E), Mumbai - 400051 SCRIPT CODE: ORISSAMINE	To The Compliance Department Department of Corporate Services Bombay Stock Exchange Limited 1 st Floor, PhirozeJee, Jeebhoy Tower, Bombay Samachar Marg, Mumbai-400001 SCRIPT CODE: 590086	To The Secretary The Calcutta Stock Exchange 7, Lyons Range Kolkata-700001 SCRIPT CODE: 25058
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Dear Sir/Madam,

Sub.: Consent to Establish Order for Belkundi Iron & Manganese Ore mines of The Orissa Minerals Development Company Limited (OMDC) issued by SPCB, Odisha

State Pollution Control Board (SPCB), Odisha issued Consent to Establish Order for Belkundi Iron & Manganese Ore mines of The Orissa Minerals Development Company Limited (OMDC) vide its consent order letter no.16016/ IND-II-CTE-6446 dated 07.10.2024 for production of Iron Ore (ROM) of 1.8 MTPA & Manganese Ore 0.3 MTPA(ROM) in the mine lease area of 1276.79 Ha located At/Po: Belkundi, Nalda, Karakolha, Karakhendra , Barbil , Unit-7 & 8 and Uliburu R.F, Uliburu of Barbil Tehsil, District Keonjhar, Odisha. Consent to Establish Order issued by SPCB, Odisha is enclosed for reference.

You are requested to kindly take note of the above information on record.

Thanking You.

Yours faithfully,

For The Orissa Minerals Development Company Limited

RAJA BABU Digitally signed by
RAJA BABU SAILADA
SAILADA Date: 2024.10.09
16:37:21 +05'30'

S. Raja Babu
Company Secretary



E-mail: paribesh1@ospcboard.org

Website: www.ospcboard.org

STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST, ENVIRONMENT & CLIMATE CHANGE, GOVERNMENT OF ODISHA]

Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII

Bhubaneswar - 751012

No. 16016 /

IND-II-CTE-6446

Date: 07.10.2024/

Through online/

By speed post

CONSENT TO ESTABLISH ORDER

In consideration of the online application no. **3127678** for obtaining Consent to Establish for **Belkundi Iron and Manganese Ore Mines of M/s OMDC Limited**, the State Pollution Control Board, Odisha is pleased to convey its Consent to Establish under Section 25 of Water (Prevention & Control of Pollution) Act, 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 for **production of Iron Ore of quantity 1.8 MTPA (ROM) and Manganese Ore of quantity 0.3 MTPA (ROM) along with installation of mobile crusher (1x200 TPH and 1x100 TPH) and mobile screen (1x400 TPH and 1x200 TPH)** over lease hold area of 1276.79 Ha., At/PO- Belkundi, Nalda, Karakolha, Karakhendra, Barbil Unit-7 & 8 and Uliburu R.F Uliburu of Barbil Tehsil in the district of **Keonjhar** with following conditions;

GENERAL CONDITIONS:

1. This Consent to Establish is valid for the product, method of mining and capacity mentioned in the application form. This order is valid for **five** years, which means the proponent shall commence mining activities for the proposal within a period of five years from the date of issue of this Consent to Establish order. If the proponent fails to commence mining activities for the proposal within five years, then a renewal of this consent to establish shall be sought by the proponent.
2. The mine shall apply for grant of Consent to Operate under Section 25/26 of Water (Prevention & Control of Pollution) Act, 1974 & Section 21 of Air (Prevention & Control of Pollution) Act, 1981 at least 3 (three) months before the commencement of production and obtain Consent to Operate from the Board. No operational activity shall commence prior to installation of all pollution control measures.
3. No change in mining technology and scope of work shall be made without prior approval of the Board.
4. **This Consent to Establish is subject to statutory and other clearances from Govt. of Odisha and/or Govt. of India, as and when applicable.**

SPECIAL CONDITIONS:

A. GENERAL:

1. The Mine shall obtain Environmental Clearance from MoEF&CC, Govt. of India under EIA Notification 2006 and amendments made thereafter and mining activities shall

commence with valid environmental clearance for Iron Ore production to 1.8 MTPA and Manganese Ore to 0.3 MTPA.

2. The proponent shall abide by the Wildlife Management Plan or wildlife clearance wherever applicable.
3. The Consent to Establish is granted without prejudice to legal cases if any and all the other statutory cases pending in different Courts of Law.
4. The Mine shall obtain Forest Clearance for the forest land involved in the mining lease.
5. The mine shall implement the Pollution Control Measures and safeguards as proposed in the Environment Management Plan (EMP) of Environment Impact Assessment (EIA) report.
6. The proponent shall submit six monthly progress report every year (i.e. June and December) of mining activity of the project to the Board (at Head Office and Regional Office) for record and verification.
7. The proponent shall obtain NOC from CGWA for use of ground water for getting Consent to Operate of State Pollution Control Board, Odisha.
8. The proponent shall obtain requisite permission from the Water Resource Department, Govt. of Odisha for the drawl of surface water and ground water.
9. The construction and demolition waste to be generated from the proposed project shall be disposed off in accordance with the provision under "Construction & Demolition Wastes Management Rules 2016".
10. The proponent shall comply with the provisions of E-Waste (Management) Rules, 2016 and shall handover e-waste to authorized collection centers / register dismantlers/ recyclers for proper disposal of e-waste.
11. The proponent shall comply with the provision made under Plastic Waste Management Rules, 2016 and amendment made thereafter and shall ensure prohibition on use of Single Use Plastics within the premises.
12. All the plastic waste generated from the premises shall be collected and sent for co-processing to the nearby cement kilns and/or registered recyclers under Plastic Waste Management Rules, 2016.
13. The construction shall be carried out with the fly ash bricks. If the fly ash bricks are not available locally the construction may be carried out with other bricks with prior intimation to the concerned Regional Office of SPC Board. A statement indicating use of fly ash bricks during construction period shall be submitted to the Board quarterly for record.
14. A green belt of adequate width and density preferably with local species along the periphery of the mine, inactive dumps, backfilled area, vacant area, colony and any other vacant areas shall be raised so as to provide protection against particulates and noise to ameliorate the environment. A detailed plantation programme in this regard shall be prepared and submitted at the time of making application of Consent to Operate for assessment.
15. The project proponent shall carryout plantation / afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc.

by planting the native species in consultation with the State Forest Department / Agriculture Department / Rural Development Department / Tribal Welfare Department / Gram Panchayat such that only those species to be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered to. The density of the trees shall be around 2500 saplings per hectare.

16. A separate environmental management cell with suitable qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the organization.
17. The Board may impose further conditions or modify the conditions stipulated in this order during installation and/or at the time of obtaining consent to operate and may revoke this clearance in case the stipulated conditions are not implemented.
18. The above conditions will be enforced, inter-alia, under the provisions of the water (Prevention & Control of pollution) Act, 1974, Air (Prevention & Control of Prevention) Act, 1981, Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rule.
19. No production activity shall commence prior to installation of all pollution control measures. In case it is found that the industry is operated without installation of adequate pollution control equipment, direction for closure shall be issued u/s 33(A) of Water (PCP) Act, 1974 and/or u/s 31(A) of Air (PCP) Act, 1981 as the case may be without any further notice.

B. WATER POLLUTION:

20. Nallah/Streams flowing inside or nearby the mining lease hold area shall not be disturbed.
21. The proponent shall construct garland drains, toe wall and check dams, as proposed in this regard by the proponent so that the surface run-off from the mining area shall not pollute nearby water bodies.
22. Garland drains along with settling pit shall be provided around the iron ore fines stock yard to control washout of fines from the stockyard along surface runoff.
23. The domestic wastewater generated shall be treated in exiting Sewage Treatment Plant to meet the following standards as notified by the MoEF&CC, Govt. of India vide G.S.R.1265 (E) dated 13.10.2017. The treated water shall be reused for flushing, gardening and plantation to the maximum possible extent.

Sl. No.	Parameters	Standards
1.	pH	6.5-9.0
2.	BOD (mg/l)	30
3.	TSS (mg/l)	<100
4.	Fecal Coliform (MPN/100ml)	<1000

24. Surface run-off from OB dump area, mineral stock yard, top soil storage area shall be routed through settling pond of adequate capacity designed on maximum hourly rainfall basis to meet prescribed standard of **SS- 100 mg/l and Oil & Grease- 10 mg/l** before discharge into natural stream/water courses during monsoon.

25. At stockpile and loading area, a network of drains shall be constructed at a depth of 1.5 meter below the lowest level on the sites parallel to the stockpile area with interconnected box culverts. The sloping of surface shall be given inward to the stockpiles so that surface water will only infiltrate in to the drain.
26. The mine shall provide mechanized wheel washing system along with effluent treatment and recycling facilities at the exit point of the mine.

C. AIR POLLUTION:

27. Bag filter shall be installed at vibrating screen and dry fog system shall be installed at other dust generating sources of the crushing and screening plant.
28. Drill shall be wet operated or with dust extractors and controlled blasting shall be practiced. Pre-wetting of blasting site shall be practiced.
29. Necessary preventive measures shall be taken during construction phase so that the ambient air quality including noise shall conform to National ambient air quality standards and standards for noise in industrial area as per **Annexure-I**. Ambient air quality within the mine lease area shall meet the prescribed standards as per **Annexure-II**.
30. The proponent shall abide by the stipulations made in MoEF&CC, Govt. of India notification no. G.S.R. 809 (E), dated 4.10.2010 (copy enclosed as **Annexure-III**).
31. The primary crusher, screen and secondary crusher of stationary mineral processing units shall be placed in covered shed. All the conveyors shall be covered with corrugated GI Sheets.
32. Dust suppression (dry fog) for mobile units and extraction (bag filter) system for fixed units shall be provided at all dust generating sources of mineral handling plants such as crushing, screening & material transfer points etc. such that, particulate matter concentration in ambient air shall not be more than $1200 \mu\text{g}/\text{m}^3$ at a distance of 25.0 ± 2.0 m from the source of fugitive emission in the predominant down wind direction as per MoEF&CC, Govt. of India notification No. G.S.R. 809(E), dated 04.10.2010 (copy enclosed as **Annexure-III**).
33. Main haulage road in the mine shall be provided with permanent water sprinklers and other roads should be regularly wetted by water tankers fitted with sprinklers.
34. The suction points of dust extraction system of fixed units shall be provided at primary crusher discharge chute, screen, all transfer points, secondary crusher discharge chutes and any other dust generating sources. This system shall be connected to bag filters so that particulate matter emission from the stack shall not exceed $100 \text{ mg}/\text{Nm}^3$ as per MoEF&CC, Govt. of India Notification no-GSR.-809(E) dated 4th October 2010 (copy enclosed as **Annexure-III**). Stack height for de-dusting unit shall be calculated as per above notification of MoEF&CC, Govt. of India i.e. $H = 74 Q^{0.27}$ where H and Q are stack height in meter and particulate matter (PM) emission in ton/hr. respectively.
35. The mine shall make provision to collect the fine products in hopper instead of heaping by free falling to avoid the dust nuisance. The ore fines shall be stacked properly and systematically with retaining wall at the toe to avoid washings during rain. Ore fine transportation shall be done in covered truck.


36. All the loaded vehicles shall be covered with tarpaulin to prevent spillage of minerals during transportation. This activity shall also be ensured by the security personnel engaged at the exit gates.
37. The mine shall install fixed water sprinklers along the stockyard areas to suppress fugitive dust emission during handling of tailing fines in the stack yards.
38. The mine shall construct permanent concrete approach roads to the nearest connecting highway as mine has proposed for transportation of minerals by roads.
39. Dust suppression on mine haul roads, active OB dumps and mine working benches shall be done by spraying water through water sprinklers. Water sprinklers of fixed type shall also be provided at approach roads to raw material handling & product handling area to prevent the generation of dust to be air borne.
40. Adequate measures shall be taken for control of noise levels in the work environment of mine area so that noise levels at the boundary line of mining lease area shall not exceed 75 dB (A) during day time (06:00 AM to 10:00 PM) and 70 dB(A) during night time (10:00 PM to 06:00 AM).
41. Adequate noise barriers shall be provided surrounding the crushing and screening plants to control noise pollution and avoid impact on wildlife due to operation of crushing and screening plants during night hours.
42. On-line noise monitoring system shall be installed to monitor noise level during night hours.
43. Protective barriers shall be provided for the lights to prevent illumination towards the forest area during night hours.
44. Four Ambient Air Quality Monitoring stations shall be installed in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂, NO₂ and CO monitoring. Location of the stations shall be decided in consultation with the State Pollution Control Board. Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂, NO₂, CO) shall be submitted to the State Pollution Control Board once in six months.

D. SOLID & HAZARDOUS WASTE:

45. Solid waste to be generated during mining shall be dumped in the earmarked dump area as per approved mining plan. The OB/waste dumps shall be properly dressed and benched at low angle with terracing in the slopes.
46. Topsoil shall be stacked separately with proper slope at earmarked site(s) with adequate measures and shall be used for reclamation and rehabilitation of mined out areas.
47. The OB/waste dumps shall be properly dressed benched stopped at low angle (30⁰) with terracing and retaining walls stone barriers at the toe of the dumps gully plugging etc. to prevent the solid erosion during monsoon, besides establishing vegetation on dump top as well as its slope surface. In difficult cases, hydro-seedling technique or use of geo-tiles mat embedded with seeds shall be adopted.
48. Hazardous waste storage area shall be earmarked before disposal as per CPCB guidelines.

49. The proponent shall comply to the provisions of Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and amended thereafter and disposal of hazardous waste shall be as per authorization under the above rule.
50. Municipal solid waste generated from the premises shall be disposed-off as per Solid Waste Management Rules, 2016.

Encl.: Annexure I, II & III


MEMBER SECRETARY

To

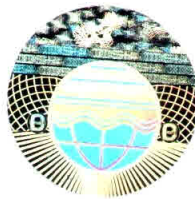
**Shri Samaresh Kumar Hait, Business Head
Belkundi Iron and Manganese Ore Mines of
M/s OMDC Limited
At/PO- Thakurani, Via- Barbil, Tehsil- Barbil,
District- Keonjhar**

Memo No. _____ / Date: _____ /

Copy forwarded to:

1. The Collector & District Magistrate, Keonjhar
2. The DFO, Keonjhar
3. DDM, Keonjhar
4. The Regional Officer, SPCB, Odisha, Keonjhar
5. CTO Cell (Mines), SPCB, Odisha, Bhubaneswar
6. HWM Cell, SPCB, Odisha, Bhubaneswar
7. Guard file


ADDL. CHIEF ENV. ENGINEER



ANNEXURE-II

SCHEDULE (see rule 3(1) and 4(1))

Ambient Air Quality Standards in respect of Noise

Area Code	Category of Area/Zone	Limits in dB(A) Leq *	
		Day Time	Night Time
(A)	Industrial area	75	70
(B)	Commercial area	65	55
(C)	Residential area	55	45
(D)	Silence Zone	50	40

Note

1. Day time shall mean from 06:00 A.M. to 10:00 P.M.
2. Night time shall mean from 10:00 P.M. to 06:00 A.M.
3. Silence zone is defined as an area comprising not less than 100 meters around hospitals, educational institutions and courts. The silence zones are zones which are declared as such by the competent authority.
4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.

*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.

Leq : It is an energy mean of the noise level, over a specified period.

[F. No. Q-14012/1/96-CPA]
VIJAI SHARMA, R. Secy.

NATIONAL AMBIENT AIR QUALITY STANDARDS
CENTRAL POLLUTION CONTROL BOARD
NOTIFICATION

New Delhi, the 18th November, 2009

No. B-29016/20/90/PCI-L—In exercise of the powers conferred by Sub-section (2) (h) of section 16 of the Air (Prevention and Control of Pollution) Act, 1981 (Act No.14 of 1981), and in supersession of the Notification No(s). S.O. 384(E), dated 11th April, 1994 and S.O. 935(E), dated 14th October, 1998, the Central Pollution Control Board hereby notify the National Ambient Air Quality Standards with immediate effect, namely:-

NATIONAL AMBIENT AIR QUALITY STANDARDS

S. No.	Pollutant	Time Weighted Average	Concentration in Ambient Air		
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Government)	Methods of Measurement
(1)	(2)	(3)	(4)	(5)	(6)
1	Sulphur Dioxide (SO ₂), µg/m ³	Annual* 24 hours**	50 80	20 80	- Improved West and Gaeke -Ultraviolet fluorescence
2	Nitrogen Dioxide (NO ₂), µg/m ³	Annual* 24 hours**	40 80	30 80	- Modified Jacob & Hochheiser (Na-Arsenite) - Chemiluminescence
3	Particulate Matter (size less than 10µm) or PM ₁₀ µg/m ³	Annual* 24 hours**	60 100	60 100	- Gravimetric - TOEM - Beta attenuation
4	Particulate Matter (size less than 2.5µm) or PM _{2.5} µg/m ³	Annual* 24 hours**	40 60	40 60	- Gravimetric - TOEM - Beta attenuation
5	Ozone (O ₃) µg/m ³	8 hours** 1 hour**	100 180	100 180	- UV photometric - Chemiluminescence - Chemical Method
6	Lead (Pb) µg/m ³	Annual* 24 hours**	0.50 1.0	0.50 1.0	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper - ED-XRF using Teflon filter
7	Carbon Monoxide (CO) mg/m ³	8 hours** 1 hour**	02 04	02 04	- Non Dispersive Infra Red (NDIR) spectroscopy
8	Ammonia (NH ₃) µg/m ³	Annual* 24 hours**	100 400	100 400	-Chemiluminescence -Indophenol blue method

(1)	(2)	(3)	(4)	(5)	(6)
9	Benzene (C ₆ H ₆) µg/m ³	Annual*	05	05	- Gas chromatography based continuous analyzer - Adsorption and Desorption followed by GC analysis
10	Benzo(a)Pyrene (BaP) - particulate phase only, ng/m ³	Annual*	01	01	- Solvent extraction followed by HPLC/GC analysis
11	Arsenic (As), ng/m ³	Annual*	06	06	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper
12	Nickel (Ni), ng/m ³	Annual*	20	20	- AAS /ICP method after sampling on EPM 2000 or equivalent filter paper

- * Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.
- ** 24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.

Note. — Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.

SANT PRASAD GAUTAM, Chairman
[ADVT-III/4/184/09/Exty.]

Note: The notifications on National Ambient Air Quality Standards were published by the Central Pollution Control Board in the Gazette of India, Extraordinary vide notification No(s). S.O. 384(E), dated 11th April, 1994 and S.O. 935(E), dated 14th October, 1998.

MINISTRY OF ENVIRONMENT AND FORESTS

NOTIFICATION

New Delhi, the 4th October, 2010

G.S.R. 809(E).—In exercise of the powers conferred by Sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following Rules further to amend the Environment (Protection) Rules, 1986, namely:-

1. (1) These rules may be called the Environment (Protection) (Sixth Amendment) Rules, 2010.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. In the Environment (Protection) Rules, 1986, in schedule I, after serial number 17 and the existing entries relating thereto, the following serial number and entries shall be inserted, namely :-

S. No.	Industry	Parameter	Standard
(1)	(2)	(3)	(4)
18	Iron Ore Mining and Ore Processing	A. Emission Standards for Stack for De-dusting Unit	
		Particulate matter	100 mg/ Nm ³
		Stack height **	15.0 m
		** Stack height for De-dusting unit shall be calculated as $H=74 Q^{0.27}$, where H and Q are stack height in metre and particulate matter (PM) emission in tonne/hr respectively, i.e.	
		Q (kg/hr)	H (metre)
		up to 2.71	15
		2.72 - 7.86	20
		7.87 - 17.96	25
		17.97 - 35.29	30
		Note:- Stack attached to De-dusting unit shall have minimum height of 15.0 metres and would be atleast 2.50 metres above the top-most point of the nearby building/shed or plant in the mine.	
		B. Fugitive Emission Standards	
		Particulate matter	1200 µg/m ³
		Note - Fugitive emission shall be monitored in the predominant downwind direction at a distance 25.0±2.0 metres from the source of fugitive emission as per following:	

1	2	3	4
		Area	Monitoring location
		Mine face/ Benches	Drilling, excavation and loading applicable for operating benches above watertable
		Haul Roads/ Service Roads	Haul roads to ore processing plant, waste dumps and loading areas and service road
		Crushing plant	Run-off mine unloading at hopper, crushing areas, screens and transfer points
		Screening Plant	Screens, conveying and transportation of ore discharge points
		Ore Storage & Loading	Intermediate stock bin/pile areas, ore stock bin/pile areas, wagon/truck loading areas
		Waste dump	Active waste/reject dumps
		C. Effluent Standards	
		pH	5.5-9.0
		Suspended solids (non-rainy day)	50 mg/l
		Suspended solids (rainy day)	100 mg/l
		Oil & grease	10 mg/l
		Note:-	
		(i) All efforts shall be made to reuse and re-circulate the treated effluent.	
		(ii) The aforesaid effluent standards shall be complied with for sewage, service water, beneficiation of ore washwater and surface run-off put together."	

[F. No. Q-15017/21/2007-CPW]

RAJNEESH DUBE, Jt. Secy.

Note : The principal rules were published in the Gazette of India vide number S.O. 844 (E) 19th November, 1986; and subsequently amended vide S.O. 433 (E) dated 18th April 1987; S.O. 64 (E), dated the 18th January 1988 and recently amended vide G.S.R. 97(E), dated the 18th February, 2009; G.S.R. 149 (E), dated the 4th March, 2009; G.S.R. 512(E), dated the 9th July, 2009; G.S.R. 543 (E), dated the 22nd July, 2009. G.S.R. 595(E), dated the 21st August, 2009; G.S.R. 794 (E), dated the 4th November, 2009. G.S.R. 826 (E), dated the 16th November, 2009; G.S.R. 01 (E), dated the 01st January, 2010; G.S.R. 61 (E), dated the 5th February, 2010; GSR 485(E), dated the 9th June, 2010; GSR 608 (E), dated the 21st July, 2010 and GSR 739 (E), dated, the 9th September, 2010.

Signature Not Verified

Digitally Signed by :KALPANA
BEHERA

Date: 2024.10.08 12:41:37 IST