

To Mr. B. N. Sharma

F. No. J-11011/182/2012-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan
Jor Bagh Road, Ali Ganj,
New Delhi - 110003

E-mail: satish.garkoti@nic.in
Tele fax: 011: 24695316

Date: 24th February, 2015

To

✓ M/s Orissa Metaliks Pvt. Ltd.
1, Garstin Place, ORBIT,
3rd Floor, Room No. -3B
Kolkata-700001

Email: anilmohita@rashmigroup.com; Fax: 033-22438517

Subject: Proposed Iron ore Beneficiation Plant (1.5 MTPA), Pellet Plant (1.2 MTPA), Producer gas plant (480 TPD or 75,000 Nm³/hr) and Coke Oven Plant (0.225 MTPA) along with 15 MW WHRB based Captive Power Plant of M/s Orissa Metaliks Private Limited, located at Village Gokulpur, Tehsil Kharagpur, District Paschim Medinipur, West Bengal (EC based on TOR granted on 09.08.2012)[J-11011/182/2012-IA-II(I)]

Sir,

This has reference to your letter dated 19.11.2013 and 07.07.2014 along with copies of EIA/EMP report seeking environment clearance under the provisions of the EIA Notification, 2006. The ToR was awarded by MoEF vide letter dated 9th August, 2012 for preparation of EIA/EMP report.

2. The Ministry of Environment, Forest and Climate Change (MoEF&CC) has examined the application for the project cited above. It is noted that M/s Orissa Metaliks Private Limited have proposed to set up an Iron ore Beneficiation Plant (1.5 MTPA), Pellet Plant (1.2 MTPA), Producer Gas Plant (480 TPD or 75,000 Nm³/hr) and Coke Oven Plant (0.225 MTPA) along with 15 MW WHRB based Captive Power Plant at village Gokulpur, Mouja Nandar Chalk & Dhekia, Tehsil Kharagpur, District Paschim Medinipur in West Bengal. The land requirement for the proposed project is 78 acres of private land, which has been acquired. No agricultural or forest land is involved. No National Park, Wildlife Sanctuary & Reserve Forest, etc exist within 10 km radius of the Project Site. River Kangsavati flows at a distance of 4.5 km from the project site. Total cost of the project is Rs. 420 crores. An amount of Rs. 21 crores and Rs.2.96 crores is earmarked for the capital cost and recurring cost per annum towards the environmental

pollution control measures based on Public Hearing issues over a period of five years. No court case/litigation is pending against the proposed project.

4. The capacity of proposed project activity has been tabulated below:

Sl. No.	Unit	Proposed capacity
1.	Iron Ore Beneficiation Plant	15,00,000 TPA
2.	Pellet Plant (2x0.6 MTPA)	12,00,000 TPA
3.	Producer Gas Plant (10x7500 Nm ³ /hr)	480 TPD (or) 75,000 Nm ³ /hr
4.	Coke Oven Plant	2,25,000 TPA
5.	Captive Power Plant	15 MW (WHRB based)

5. The major raw materials required are Iron Ore Fines (1,500,000 TPA), Bentonite (40,000 TPA), Limestone (26,000 TPA), Non-coking Coal (1,20,000 TPA) and Coking Coal (300,000 TPA) for the proposed project. Iron Ore will be sourced from Barbil, Banspani & Jaruli (Orissa), limestone will be sourced from Birmitrapur (Orissa) & Raipur (Chhattisgarh), Bentonite from Kutch-Gujarat and the Coal will be sourced from South Africa. As per the MoU submitted, the ash and sulphur content in the coal will be 9-11% and 0.65% respectively. Calorific value of the coal will be 5700 kcal/kg. Coal is to be sourced from mine(s) in South Africa and will be transported to Haldia Port and to the project site by rail-cum-road transport

6. The power requirement is 10MW which will initially be met from West Bengal State Electricity Distribution Company Limited and after commissioning, from 15 MW WHRB based CPP.

7. The Beneficiation Plant and Pellet Plant will be equipped with bag filters and Electrostatic Precipitator (ESP) arrangement with 99.9% efficiency. There will be Dust Extraction / Dust Suppression Systems / Foggy Dust Arresters to control fugitive emissions, raw material handling section and various other facilities inside the plant. Good housekeeping practices will be adopted to control the fugitive emissions.

8. The water requirement for the project would be 660 KLD. The plant is designed on a zero-discharge concept. There will be no effluent discharge outside the plant boundary. Treated wastewater will be re-used in process, gardening & dust suppression purpose. Domestic effluents from the various buildings/sheds of the plant is conveyed through separate drains to septic tanks. The effluent from the septic tank is disposed of through soil percolation by providing dispersion trenches/soak pits. However, efforts will be made to harvest rainwater in the plant. Run-off water from the office areas, shop roofs will be collected and stored for use (estimated as 75 days' plant requirement).

9. Tailings from Beneficiation unit (0.3MTPA) will be used for brick making/land filling. Dust as collected in the de-dusting system from Pellet Plant will be used in the

palletizing mix. Coke breeze from Coke Oven Plant (18,885 TPA) will be used in the pellet plant. Tar from producer gas plant will be stored in drums and will be sold to vendor registered with WBPCB. Out of the total plant area (i.e. 78 acres), 33% of total plant area will be developed under green belt/plantation in a scientific manner around the plant boundary, roadside, office buildings and stretches of open land.

10. The proposed project activity is listed at S.No. 3(a) in primary metallurgical industry under Category 'A' of the Schedule of EIA notification 2006 and appraised by the Expert Appraisal Committee (Industry) of MoEF.

11. The proposal was considered by REAC in its 15th meeting held during 29th -30th January, 2014 and again in the 23rd meeting held during 18th - 19th September, 2014. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. Public Hearing/Public Consultation was conducted by West Bengal Pollution Control Board on 17.9.2013 at Barkala Gram Panchayat Office. Committee considered the issues raised during Public Hearing such as adequate compensation of land, developmental work for near-by villages, employment to the locals, plantation & maintenance of trees, facilities for education & health, water conservation, road development, more plantation, etc. The PP assured that a road will be constructed at the side of plant boundary, preventive measures will be taken to reduce the pollution load due to the discharge of the effluents from M/s. Rashmi Metaliks Limited and local people will be given preference in employment.

12. Based on the information submitted by you, presentation made by you and your consultant M/s. Visiontek Consultancy Services Pvt Ltd, Bhubaneswar, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITION:

- i. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), and bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm by installing energy efficient technology.
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- iii. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30th May, 2008 and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.
- iv. Dust suppression system and bag filters shall be installed to control the fugitive dust emissions at conveyor and transfer points, product handling, loading and unloading points.
- v. Efforts shall further be made to use maximum water from the rain water harvesting sources. If needed, capacity of the reservoir shall be enhanced to meet

the maximum water requirement. Only balance water requirement shall be met from other sources. Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly.

- vi. All the effluent shall be treated and used for ash handling, dust suppression and green belt development. No effluent shall be discharged and 'zero' discharge shall be adopted. Sanitary sewage shall be treated in septic tank followed by soak pit.
- vii. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis shall also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2010. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office.
- ix. Risk and Disaster Management Plan along with the mitigation measures shall be prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.
- x. As proposed, green belt shall be developed in 33 % of plant area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xi. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs. The proponent shall prepare a detailed CSR Plan for every next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO, Bangalore. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
- xii. The project shall prepare a plan to properly discharge rainwater from the plant area so that water logging may be avoided in general and near DRI plants in particular and submitted with the 6 monthly compliance report.



- xiii. The concrete drains shall be de-silted and regular supervision of the areas shall be carried out so that blocking of drains may be avoided for quick discharge of rainwater.
- xiv. The workers shall regularly use safety gadgets such as safety shoe, helmets, gloves (engaged in Rolling Mill and IF areas), safety goggles and heat resistance aprons.
- xv. Monitoring report on Ambient Air Quality, fugitive dust and noise levels inside the plant shall be submitted along with the 6 monthly compliance report
- xvi. Environmental Management Cell shall be established immediately and shall be headed by a Senior Officer and the mandate of the Cell shall be defined for effective management of environment control measures. The project shall employ an Environmental officer who would be technically qualified to look after various pollution control measures.
- xvii. The project shall develop its own website to upload compliance measure taken to reduce pollution and to ensure implementation of transparency with general public.
- xviii. Company should develop an HSE Policy.
- xix. All the permanent workers should be covered under ESI Scheme.
- xx. Safety awareness among the workers should be provided.
- xxi. The company should have the provision for treatment of its workers at the local Nursing Homes & Hospitals in case of emergency.
- xxii. Annual Medical Check-up on some medical parameters like Blood test, Chest X-Ray, Eye test, Audiometry, Spirometry etc. should be conducted amongst the employees of the Company at company's Occupational Health Center.
- xxiii. The company should conduct Pre-employment check-up.
- xxiv. Awareness on the proper use of Personal Protective Equipment (PPE) should be made.
- xxv. Arrangement for Ambulance with basic facilities with 24 hrs driver and attendant should be made.
- xxvi. Sites for construction and workers camp should be clearly demarcated to prevent occupational hazards. Ensure provision for necessary basic needs and infrastructure facilities such as water supply, sanitary facilities, rest shed etc.
- xxvii. Where gases or fumes are likely to be present in foundations, sufficient mechanical / artificial ventilation shall be provided to protect the health and safety of persons working there. If necessary, the personnel working there shall

be provided with respiratory protective equipment when work in such unhealthy conditions is to be carried out.

- xxviii. Hazardous materials such as lubricating oil, compressed gases, paints and varnishes required during construction phase should be stored properly as per the regulations at isolated places.
- xxix. Accidental spillages of oil from construction equipment and storage sites should be prevented.
- xxx. It should be ensured that diesel powered vehicles and construction machinery are properly maintained to minimize the exhaust emission as well as noise generation.
- xxxi. Fire protection system for the proposed plant should comprise of an elaborate network of fire brigades, water reservoir, pumps, hydrants, Medium velocity spray system, fire engines, sprinkler system, fire alarms, smoke and heat detectors etc.
- xxxii. Portable fire extinguishers of various capacities containing agents such as CO₂, DCP etc. and should be located at strategic points of the plant.
- xxxiii. In view of vulnerability to fire, effective preventive and design measures should be taken to minimise fire hazard.
- xxxiv. There shall be a separate Fire Fighting Department for the proposed plant, which will be full-fledged comprising fire brigade, trained crew, fire fighting materials, dress and equipment.
- xxxv. Fire fighting Department will conduct mock drills at regular intervals to check the efficacy of fire fighting systems.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
- iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.



- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ix. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEF&CC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
- x. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xi. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.


- xii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF&CC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.
- xiii. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF&CC at Bhubaneswar by e-mail.
- xiv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office at Bhubaneswar.
- xv. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
13. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
14. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
15. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. Satish C. Garkoti)
Director

Copy to:-

1. The Secretary, Department of Environment, Govt. of West Bengal.

2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, Bldg. No. 10-A, Block- LA, Sector 3, Salt Lake City, Kolkata – 700 091
4. The Additional Principal Chief Conservator of Forests (C) Ministry of Env. And Forests Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar-751023. Orissa.
5. Guard File / Record File/Monitoring file.



(Dr. Satish C. Garkoti)
Director



WEST BENGAL POLLUTION CONTROL BOARD
(Department of Environment, Govt. of West Bengal)
Paribesh Bhawan, 10A, Block - LA, Sector-III
Bidhannagar, Kolkata-700 106, India
Tel : 2335 - 9088 / 7428 / 8211 / 6731 / 0261 / 8861 / 5868 / 1625
Fax : 2335 - 5368 / 2813
City Code : 33, Country Code : 91
Website: www.wbpcb.gov.in

Memo No: 131-2N-29/2019(E)-Pt. II

Dated: 16.03.2022

To

M/s. Orissa Metaliks Private Limited
1, Grastin Place, 'ORBIT HOUSE',
3rd Floor, Room No-3B, Kolkata – 700 001.

Sub: Application for getting "No Increase in Pollution Load Certificate" for increasing in production capacity of existing pellet plant from 3.60 MTPA (4x0.9 MTPA) to 4.40 MTPA (4x1.1 MTPA) with matching Iron Ore Beneficiation /Grinding Plant; MBF from 3,90,000 TPA (1x320 Cu.m) to 4,50,000 TPA (1x320 Cu.m) with matching PCM. The increase in production capacity shall be achieved by process optimization, augmentation & increasing number of working days at Mouza – Dhekia (JL No. 135), Khidirpur (JL No. 140) & Sujatpur (JL No. 139), Vill – Gokulpur, PO – Shyamraipur, PS – Kharagpur (Local), Dist – Paschim Medinipur, West Bengal.

Ref: 1. Your presentation on 24.12.2021 w.r.t. No Increase in Pollution Load application no. OMPL-II/No Increase-WBPCB/21-22/01 dated. 23/08/2021.
2. Your letters vide No. OMPL-II/No Increase-WBPCB/21-22/02 dated 08.11.2021 and No. OMPL-II/No Increase-WBPCB/21-22/03 dated 18/01/2022.

Sir,

With reference to the above, this is to inform you that your above application for increasing in production capacity of existing pellet plant from 3.60 MTPA (4x0.9 MTPA) to 4.40 MTPA (4x1.1 MTPA) with matching Iron Ore Beneficiation /Grinding Plant; MBF from 3,90,000 TPA (1x320 Cu.m) to 4,50,000 TPA (1x320 Cu.m) with matching PCM in your existing plant at Mouza – Dhekia (JL No. 135), Khidirpur (JL No. 140) & Sujatpur (JL No. 139), Vill – Gokulpur, PO – Shyamraipur, PS – Kharagpur (Local), Dist – Paschim Medinipur, West Bengal had been duly considered and recommended by the West Bengal Pollution Control Board subject to the following condition that :-

1. The project proponent shall comply with the stricter emission norms of 30mg/Nm³.
2. The pollution load after expansion shall not exceed the existing pollution load as submitted in PARIVESH Portal.

You are hereby advised to apply to the Haldia Regional Office of the West Bengal Pollution Control Board along-with the compliance status of the conditions mentioned in the Environmental Clearance issued by MoEF&CC, Govt. of India vide No. J-11011/604/2010-IA II(I) dated 01.06.2012, 04.01.2017 & 02.06.2017 and vide No. J-11011/182/2012-IA II(I) dated 24.02.2015 for obtaining Consent to Operate for the above proposal.

Yours faithfully,

Chief Engineer (EIM Cell)
West Bengal Pollution Control Board



WEST BENGAL POLLUTION CONTROL BOARD

(Department of Environment, Govt. of West Bengal)

Paribesh Bhawan, 10A, Block - LA, Sector-III

Bidhannagar, Kolkata-700 106, India

Tel : 2335 - 9088 / 7428 / 8211 / 6731 / 0261 / 8861 / 5868 / 1625

Fax : 2335 - 5868 / 2813

City Code : 33, Country Code : 91

Website: www.wbpcb.gov.in

Memo No: 264 -2N-29/2019(E)- PT

Dated: 23.08.2020

To

M/s. Orissa Metaliks Private Limited

1, Garstin Place, 'Orbit House',

3rd Floor, Room No. 3B, Kolkata – 700001.

Sub: Application for obtaining “No Increase in Pollution Load Certificate” for expansion of existing pellet plant 2.52 MTPA to 3.60 MTPA by augmentation, process optimization and increasing number of working days at Vill – Gokulpur, PO – Shyamraipur, PS – Kharagpur (L), Dist – Paschim Medinipur, West Bengal.

Ref: Your presentation in the 1st meeting of the reconstituted Technical Committee for No Increase in Pollution Load held on 19.08.2020.

Sir,

With reference to the above, this is to inform you that your application for expansion of existing pellet plant from 2.52 MTPA to 3.60 MTPA, has been duly considered by the committee constituted for No Increase in Pollution Load in its 1st meeting held on 19.08.2020. Based on the presentation made by the project proponent and after detailed deliberation, the committee approved the proposal for issuance of No Increase In Pollution Certificate as per the provisions of the Notification issued by MoEF & CC vide No. S.O.236(E) dated 16.01.2020., with the condition that the stack emission shall meet the emission standard of 40 mg/Nm³ instead of the existing emission standard 50 mg/Nm³.

You are hereby advised to apply to the Haldia Regional Office of the West Bengal Pollution Control Board alongwith the compliance status of the conditions mentioned in the Environmental Clearance issued by MoEF&CC, Govt. of India vide No. J-11011/604/2010-IA II(I) dated 01.06.2012, 04.01.2017 & 02.06.2017 and Vide No. J-11011/182/2012-IA II(I) dated 24.02.2015 for obtaining Consent to Operate for expansion of existing unit.

Yours faithfully,

23/09/2020

Senior Environmental Engineer (EIM Cell)

West Bengal Pollution Control Board