



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The CS
NEO METALIKS LIMITED
PARK PLAZA, 71, PARK STREET, NORTH BLOCK,,Kolkata,West Bengal
-700016

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/WB/IND/260820/2007 dated 07 Apr 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC22A008WB167040 |
| 2. File No. | J-11011/779/2007-IA.II (I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 6. Name of Project | Proposed Expansion and Upgradation of Pig Iron Manufacturing Plant to a 0.4 MTPA Capacity and Inclusion of Steel Melting Shop at Gopalpur, District Paschim Bardhman, West Bengal |
| 7. Name of Company/Organization | NEO METALIKS LIMITED |
| 8. Location of Project | West Bengal |
| 9. TOR Date | 24 Sep 2007 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 02/06/2022

(e-signed)
Dr. R. B. Lal
Scientist E
IA - (Industrial Projects - 1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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F. No. IA-J-11011/779/2007-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 1st June, 2022

To,

M/s Neo Metaliks Limited
Park Plaza, 71, Park Street,
North Block,,Kolkata,West Bengal-700016
Email: maccts@neometaliks.com;

Subject: Expansion and Upgradation of Pig Iron Manufacturing Plant to 0.4 MTPA Capacity and Inclusion of Steel Melting Shop by M/s Neo Metaliks Limited located at Village Gopalpur, Tehsil Durgapur, District Paschim Bardhman, West Bengal– Environmental Clearance – regarding.

Sir,

This refers to your proposal no. **IA/WB/IND/260820/2007 dated 07/04/2022** received through PARIVESH Portal for grant of **Environmental Clearance (EC)** for the project mentioned above.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of item 3(a) **Metallurgical Industries (ferrous & non-ferrous) & 1(d) thermal power plant of the EIA Notification, 2006 and appraised at Central Level.**

3. Accordingly, the above-mentioned proposal has been considered in **4th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 27–28th April, 2022.** The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

S. No.	Particulars	Details
a.	Terms of Reference for undertaking EIA study	27/05/2019
b.	Period of baseline data collection	27 Oct 2021 to 30 Nov 2021 (Earlier three-month baseline data collection from March – May 2019 as per ToR 2019 and validation study conducted in January 2021 as per the recommendations of EAC on 27/10/2020)
c.	Date of Public Consultation	29/11/2019
d.	Action plan to address the PH issues	An amount of Rs. 500 lakhs have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1.
e.	Location of the project	Village Gopalpur, Tehsil Durgapur, District Paschim Bardhman, West Bengal

S. No.	Particulars	Details		
		Point	Latitude	Longitude
f.	Latitude and Longitude of the project site	A	23°29'30.78" N	87°22'41.06" E
		B	23°29'34.30" N	87°22'33.69" E
		C	23°30'04.01" N	87°22'45.43" E
		D	23°29'51.79" N	87°22'45.43" E
g.	Total land	90.04 acre (36.43 Ha)		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Neo Metaliks Limited has a total land of 90.04 ac. The proposed project expansion will be carried out within the boundary limits of existing Neo Metaliks. No additional land will be acquired for the proposed project.		
i.	Existence of habitation & involvement of R&R, if any	There is no habitation and no involvement of R&R.		
j.	Elevation of the project site	72 m above mean sea level		
k.	Involvement of Forest land if any.	No Forest Land is involved in the proposed expansion project area.		
l.	Water body exists within the project site as well as study area	<p>Project site A pond (7157 m²) is present within the project site, which will be used as a rainwater reservoir.</p> <p>Study area Damodar river is present at 6 km South</p>		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>No National Park/Wildlife Sanctuary and Bio-sphere present within 10 km radius</p> <ul style="list-style-type: none"> • Rupkanj PF at 1.2 km North • Durgapur PF at 6 km North West • Bilaspur PF at 4 km North East 		
n.	Project cost	Existing - INR Rs. 13300 Lakhs Proposed – INR Rs. 68100 Lakhs		
o.	EMP cost	Type	Capital (Rs. in lakhs)	Recurring (Rs. in lakhs)
		Proposed	9041	627.35
p.	Employment opportunity	500 jobs		
q.	Water and Power requirement	(Existing + proposed) Water –5295 m ³ /day, Power – 50.28 MW		

Unit configuration and capacity:

Sl. No	Plant Equip ment/ Facility	Existing facilities as per EC dated 04.11.2008 and earlier EC								Proposed units		Final capacity		Remarks
		Total (A+B)		Implemented (A)		Unimple mented (B)*		As per CTO						
		Conf.	Capac ity (TPA)	Conf.	Capac ity (TPA)	Conf.	Capaci ty (TPA)	Conf.	Capac ity (TPA)	Conf.	Capac ity (TPA)	Conf.	Capac ity (TPA) city	
1	Sinter	33 m ²	30000	33 m ²	30000	-	-	33 m ²	30000	36 m ²	26970	69 m ²	5697	Retrofitting of existing 33 m ² SP ESP to meet PM<30 mg/Nm ³
2	Mini Blast Furnace	215 m ³	18800	215 m ³	18800	-	-	215 m ³	18800	350 m ³	42200	350 m ³	4220	-
3	PCI	120 kg	-	120 kg	-	-	-	120 kg	-	170 kg	-	170 kg	-	-
4	Captive Power Plant	-	4.5 MW	-	4.5 MW	-	-	-	4.5 MW	-	10 MW	-	10 MW	BFG based CPP. Existing 4.5 MW will be kept as standby power generation unit.
5	Zero Power Furnace	-	-	-	-	-	-	-	-	50 t	41600	50 t	4160	Aids to achieve energy savings and requires no power input
6	LRF	-	-	-	-	-	-	-	-	50 t	-	50 t	-	-
7	Caster	-	-	-	-	-	-	-	-	4 strand - 6/11	-	4 strand - 6/11	-	-
8	Rolling mill	-	-	-	-	-	-	-	-	TMT/WR mill - 40000 TPA	-	TM T/W R mill - 40000 TPA	-	-
9	VDF	-	-	-	-	-	-	-	-	50 t	-	50 t	-	-
10	Oxygen plant	-	-	-	-	-	-	-	-	250 TPD	87500 TPA	250 TPD	87500 TPA	-

5. The EAC, in its 4th meeting of Expert Appraisal Committee (Industry-1 Sector) held on 27-28th April, 2022 based on information and clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.

6. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s. Neo Metaliks Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:



A. Specific Conditions:

- i. As submitted by PP, a pond (7157 m²) is present within the project site, which will be used as a rainwater reservoir. PP shall be monitored and submit the Report to the IRO, MoEFCC in this regard.
- ii. Three tier Green Belt shall be developed in 36% of total project area by end of monsoon, 2022 with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. In addition to this, PP shall be undertaken plantation (total plants 5000 nos.) in the surrounding villages. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. Compliance status in this regard, shall be submitted to concern Regional Office of the MoEF&CC.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.
- iv. PP shall install three Continuous Ambient Air Quality Monitoring Station (CAAQMS) as one in upstream, one in the down-stream and one at the cross-wind direction by end of July, 2022.
- v. PP shall provide RO plant as tertiary treatment facility to ensure reuse of treated wastewater to an extent of 700 KL.
- vi. 12 numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. PP shall do plantation work in the surrounding villages also.
- vii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all conveyors point and on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- viii. All internal road and connecting road from project site to main highway shall be developed and maintained with suitable Million Axle Standard (MSA) as per the traffic load due to existing and proposed project.
- ix. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Regional Office of the MoEF&CC.
- x. Particulate matter emission from stacks shall be less than 30 mg/Nm³.
- xi. Blast Furnace shall be equipped with dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
- xii. Sinter Plant shall be equipped with Sinter cooler waste recovery system and suitable technology for control of dioxins and furans emissions from the plant.
- xiii. 85-90 % of billets shall be rolled directly in hot stage. RHF shall operate using only Light Diesel Oil or BF gas as a fuel.

B. General conditions:

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or



standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as three Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- iv. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- v. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
- vi. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation.
- vii. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
- viii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- v. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.



- vi. Tyre washing facilities shall be provided at the entrance/exit of the plant gates.

IV. Noise monitoring and prevention

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

- i. Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc., to minimize the energy consumption.

VI. Waste management

- i. Used refractories shall be recycled.
- ii. Kitchen waste shall be composted or converted to biogas for further use.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- ii. Project proponent shall submit a study report on De-carbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt Hattala, Bascopa, Rajbandh, Bandra, Gopalpur, Gosaidanga, Chataldanga, Monarkonda, Rupganja, and Kuldia villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation



of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent 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, commencing the land development work and start of production operation by the project.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.



- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

7. This issues with the approval of the Competent Authority.



(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tel: 011-20819346
Email-rb.lal@nic.in

Encl. as above at Annexure –I

Copy to: -

1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
3. The Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, IB – 198, Sector-III, Salt Lake City, Kolkata - 700106.
4. The Chairman, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
5. The Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata – 700 098.
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The District Collector, Paschim bardhaman, District, West Bengal.
8. Guard File/Record File/Monitoring File.
9. MoEFCC website/Parivesh Portal



((Dr. R. B. Lal)
Scientist 'E'/Additional Director
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Action plan as per MoEF&CC O.M. dated 30/09/2020

Sector	Activity and Name of the village	Quantity	Committed Year wise breakup							
			1 st year (2022-23)		2 nd year (2023-24)		3 rd year (2024-25)		Total	
			Nos.	Budget in Rs. Lakhs.	Nos.	Budget in Rs. Lakhs.	Nos.	Budget in Rs. Lakhs.	Nos.	Budget in Rs. Lakhs.
1. Educational support & Skill Development	Training programs on skill development at Hattala, Bascopa, Rajbandh, Bandra, Gopalpur	10	2	2	4	4	4	4	10	10
	Addition of new class rooms and modification of school at Hattala	1	0	0	0	0	1	15	1	15
	Scholarship to needy students	10-20 students per year	10	4	20	8	20	8	50	20
	Additional Infrastructure development in Govt. Schools	5	1	36	2	44.25	1	44.25	4	124.5
	Subtotal-1								65	169.5
2. Health & Sanitation programs	Covid Support, Health Checkups and Welfare of Disabled	5	1	7	2	10	2	10	5	27
	Subtotal-2								5	27
3. Environmental Awareness Programs	Plantation programs in villages, schools, hospitals, roads and other government buildings at Hattala, Bascopa, Rajbandh, Bandra, Gopalpur, Gosaidanga, Chataldanga, Monerkonda, Rupganj, Kuldia	10 Villages (@500 Nos / Village)	1000	4	1200	6	2800	10	5000	20
	Rainwater harvesting structures in Villages (Hattala / Bascopa, Rajbandh / Bandra, Gopalpur / Gosaidanga, Chataldanga / Monerkonda, Rupganj / Kuldia)		5	0.5	10	1	10	1	25	2.5
	Provision of covered sewers in villages	3 Villages	1	28.5	1	32	1	29.5	3.00	90
	Subtotal-3								5033	112.5
4. Infrastructure Development	Repairs/improvements to existing roads	10 Km	2	34	3.5	68	2.5	58.5	8	160.5
	Drinking Water at Gopalpur (Hattala) (3.5 KLD)	1	1	5.5					1	5.5
	Installation of Drinking water at Panagarh Gurudwar (2 KLD)	5	2	6	2	6	1	3	5	15
	Construction of Atchala at local temples	7					7	10	7	10
	Subtotal-4								21	191
Grand Total										500