



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Maharashtra)

To,

The Vice President
M/S. LLOYDS METALS AND ENERGY LIMITED
At MIDC Konsari, Village: Konsari, Tahsil: Chamorshi, Dist: Gadchiroli,
Maharashtra -442603

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 SEIAA vide proposal number
SIA/MH/IND/70624/2018 dated 03 Jan 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22B008MH126424 |
| 2. File No. | SIA/MH/IND/70624/2018 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 3(a) Metallurgical industries (ferrous &
non ferrous) |
| 6. Name of Project | Installation of Sponge Iron Pant of
capacity 190 TPD, Captive Power Plant (4
MW WHRB) and 90,000 TPA Iron ore
Beneficiation Plant |
| 7. Name of Company/Organization | M/S. LLOYDS METALS AND ENERGY
LIMITED |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 03 Apr 2018 |

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

Date: 29/08/2022

(e-signed)
Manisha Patankar Mhaiskar
Member Secretary
SEIAA - (Maharashtra)

*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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and Virtuous Environmental Single-Window Hub)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND/70624/2018
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s.Lloyds Metals and Energy Limited,
Plot No. A-1, A-2, MIDC Konsari, Village Konsari,
Taluka Chamorshi, Dist: Gadchiroli

Subject : Environment Clearance for Installation of Sponge Iron Pant of capacity 190 TPD, Captive Power Plant (4 MW WHRB) and 90,000 TPA Iron ore Beneficiation Plant at Plot No. A-1, A-2, MIDC Konsari, Village Konsari, Taluka Chamorshi, Dist: Gadchiroli by M/s.Lloyds Metals and Energy Limited.

Reference : Application no. SIA/MH/IND/70624/2018

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in its 203rd & 215th meeting under screening category 3 (a) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 247th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

1.Name of Project	Installation of Sponge Iron Pant of capacity 190 TPD, Captive Power Plant (4 MW WHRB) and 90,000 TPA Iron ore Beneficiation Plant.
2.Type of institution	Private
3.Name of Project Proponent	Lloyds Metals and Energy Limited
4.Name of Consultant	Pollution and Ecology Control Services
5.Type of project	Industrial Estate
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been	NA

obtained for existing project	
8.Location of the project	MIDC Konsari
9.Taluka	Chamorshi
10.Village	Konsari
Correspondence Name:	Lloyds Metals and Energy Limited
Room Number:	Plot No. A-1,A-2,
Floor:	NA
Building Name:	NA
Road/Street Name:	MIDC Industrial Area, Ghugus
Locality:	Ghugus
City:	Ghugus
11.Whether in Corporation /Municipal / other area	MIDC Konsari.
12.IOD/IOA/Concession /Plan Approval Number	The land has been leased out by MIDC to M/s Lloyds Metals and Energy Limited IOD/IOA/Concession/Plan Approval Number: NA Approved Built-up Area: 20000
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC will approve the plan
15.Total Plot Area (sq. m.)	113 Acre. 30 acre will be utilized for present proposal.
16.Deductions	as per MIDC rule
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): Not applicable b) Non FSI area (sq. m.): Not applicable c) Total BUA area (sq. m.): 20000
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable

21.Estimated cost of the project		1500000000	
22.Number of buildings & its configuration			
Seria l number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sponge Iron with WHRB Shed, Beneficiation Shed	2	15
23.Number of tenants and shops	Not applicable		
24.Number of expected residents /users	60 no. direct employment and 40 indirect employment		
25.Tenant density per hectare	Not applicable		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	20 m.		
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Minimum 6 m.		
29.Existing structure (s) if any	Not applicable		
30.Details of the demolition with disposal (If	Not applicable		

applicable)				
31.Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sponge Iron	Nil	4750	4750
2	WHRB Based Power	Nil	50 MW	50 MW
3	Iron ore beneficiation	Nil	7500	7500
32.Total Water Requirement				
Dry season:	Source of water	MIDC		
	Fresh water (CMD):	257		
	Recycled water - Flushing (CMD):	2		
	Recycled water - Gardening (CMD):	4		
	Swimming pool make up (Cum):	Not applicable		
	Total Water Requirement (CMD):	257		
	Fire fighting - Underground water tank(CMD):	25		
	Fire fighting - Overhead water tank(CMD):	Not applicable		
	Excess treated water	Not applicable		
	Source of water	MIDC		
	Fresh water (CMD):	257		
	Recycled water - Flushing	2		

Wet season:	(CMD):								
	Recycled water - Gardening (CMD):		4						
	Swimming pool make up (Cum):	Not applicable							
	Total Water Requirement (CMD):	257							
	Fire fighting - Underground water tank(CMD):	25							
	Fire fighting - Overhead water tank(CMD):	Not applicable							
	Excess treated water	Not applicable							
Details of Swimmingpool (If any)	Not applicable								
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	0	10	10	0	2	2	0	8	8
Industrial Processes	0	247	247	0	220	220	0	27	27
Gardening	0	4	4	0	4	4	0	0	0
	Level of the Ground water table:		NA						

34.Rain Water Harvesting (RWH)	Size and no of RWH tank(s) and Quantity:	Will be elaborated in final EIA report
	Location of the RWH tank(s):	Will be elaborated in final EIA report
	Quantity of recharge pits:	5 nos
	Size of recharge pits :	3m X 3m X 3m Depth
	Budgetary allocation (Capital cost) :	Rs.150000/-
	Budgetary allocation (O & M cost) :	Rs. 10000/- per annum
	Details of UGT tanks if any :	Under ground water tank will be provided for fire fighting as per norms
35.Storm water drainage	Natural water drainage pattern:	Storm water drain will be constructed around the plant area
	Quantity of storm water:	Will be elaborated in final EIA report
	Size of SWD:	Will be elaborated in final EIA report
Sewage and Waste water	Sewage generation in KLD:	8 KLD
	STP technology:	MBBR Technology
	Capacity of STP (CMD):	1 No. Packaged type STP of 12 KLD Capacity
	Location & area of the STP:	With in the Plot Area
	Budgetary allocation (Capital cost):	Rs. 25 Lacs
	Budgetary allocation (O & M cost):	Rs. 2.0 Lacs/ Year
36.Solid waste Management		
Waste	Waste generation:	Construction waste debris

generation in the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Will be utilized in making of internal road			
Waste generation in the operation Phase:	Dry waste:	Dolachar , Tailing & Fly Ash			
	Wet waste:	NA			
	Hazardous waste:	Used Oil			
	Biomedical waste (If applicable):	Na			
	STP Sludge (Drysludge):	Yes			
	Others if any:	NA			
Mode of Disposal of waste:	Dry waste:	Tailing generated from Iron Ore beneficiation plant shall be sold to bricks/tiles manufacturer. Dolachar generated from sponge iron plant will be sold to power plant. Fly ash will be sold to brick manufacturers.			
	Wet waste:	NA			
	Hazardous waste:	Used oil will be sold to MPCB Authorized vendor.			
	Biomedical waste (If applicable):	NA			
	STP Sludge (Drysludge):	Used as Manure			
	Others if any:	NA			
Area requirement:	Location(s):	With in the plant			
	Area for the storage of waste & other material:	About 2000 sq. m. will be reserved for storing slag, tail cutting and fly ash			
	Area for machinery:	NA			
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	NA			
	O & M cost:	NA			
37.Effluent Charecterestics					
Seria I Numb	Parameters	Unit	Inlet Effluent Charecteres	Outlet Effluent Charecteres	Effluent discharge standards

er			tics	tics	(MPCB)		
I	N A	NA	N A	N A	N A		
Amount of effluent generation(CMD):		27					
Capacity of the ETP:		30					
Amount of treated effluent recycled :		27					
Amount of water send to the CETP:		Nil					
Membership of CETP (if require):		NA					
Note on ETP technology to be used		Thickner followed by Filter press					
Disposal of the ETP sludge		Blend with the final product					
38.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	NA	NA	NA	NA	NA	Secondary use and sale to recycler
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter(m)	Temp. of Exhaust Gases	
1	Rotary Kiln	Coal , 228 TPD	1	65	2.0	50°C	
2	Coal Crusher	--	1	22	--	--	
3	Product House	--	1	20	--	--	
4	Iron Ore Crusher	--	1	22	--	--	
5	Day bin Product Junction House	--	1	22	--	--	
6	Cooler Discharge	--	1	22	--	--	
7	Junction House	--	1	22	--	--	
40.Details of Fuel to be used							

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	Nil	228 TPD	228 TPD
41.Source of Fuel		WCL Mines and open market		
42.Mode of Transportation of fuel to site		Coal by tarpaulin covered trucks		
43.Green Belt Development	Total RG area :	33 % of 30 acres		
	No of trees to be cut:	None		
	Number of trees to be planted :	1400		
	List of proposed native trees :	Ashoka, Neem, Nandruk, Palash, Gulmohar, Mango.		
	Timeline for completion of plantation :	NA		
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Saraca Asoca	Ashoka	200	Shady tree , deciduous
2	Azardirachta indica	Neem	300	tree, good for roadside plantation
3	Ficus retusas	Nandruk	200	green, good for roadside plantation.
4	Mangifera indica	Mango	200	bearing tree, long-lived tree.
5	Butea monosperma	Palash	300	medium sized deciduous tree.beautiful flowers tree
6	Delonix regia	Gulmohar	200	deciduous, large tree with beautiful flowers
45.Total quantity of plants on ground				

46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	NA	NA	NA

47.Energy

Power requirement:	Source of powersupply :	Electricity from State Electricity Board
	During Construction Phase: (Demand Load)	Maximum 100 KVA
	DG set as Power back-up during construction phase	Nil
	During Operation phase (Connected load):	4 MW
	During Operation phase (Demand load):	3 MW
	Transformer:	Yes
	DG set as Power back-up during operation phase:	Nil
	Fuel used:	Coal and Electricity in entire process coal is main fuel.
	Details of high tension line passing through the plot if any:	NA

48.Energy saving by non-conventional method:

For Energy Saving Measures Solar Panel will be installed in internal road

49.Detail calculations & % of saving:				
Serial Number	Energy Conservation Measures		Saving %	
1	NA		NA	
50.Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
Rotary Kiln	None		ESP, Bagfilter	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Rs. 500000/-		
	O & M cost:	Rs. 50000/-		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	Air Pollution Control	PM	Rs.5.0 Lacs	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	ESP, Bag filters	Rs.1000 Lacs	Rs.100 Lacs
2	Water Pollution Control	STP & ETP	Rs.25 lac and Rs.100 Lac	Rs.2 lac and Rs.10 Lac
3	Solid Waste Management	Handling and Disposing	Rs.10 lac	Rs.3 lac
4	Green Belt	Plantation	Rs.5 Lac	Rs.0.5 Lac
5	Environmental Monitoring	Air quality , Water and wastewater quality; Noise levels; Soil quality	Rs.100 Lac	Rs.5.0 Lac

51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	NA	NA	NA	NA
52.Any Other Information							
No Information Available							
53.Traffic Management							
	Nos. of the junction to the main road & design of confluence:	The said plot is in MIDC area. The width of front of MIDC road is 20 Mtr					
Parking details:	Number and area of basement:	NA					
	Number and area of podia:	NA					
	Total Parking area:	2000 Sq. M.					
	Area per car:	NA					
	Area per car:	NA					
	Number of 2-Wheelers as approved by competent authority:	NA					
Number of 4-Wheelers as	NA						

	approved by competent authority:	
	Public Transport:	25 to 30 trucks/day will be operated after commission of proposed unit for transportation of raw material and finished product
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	3(a)
	Court cases pending if any	No
	Other Relevant Informations	Application for TOR
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 246th (Day-3) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:

SEAC Conditions-

1. PP proposes to install waste heat recovery based power plant of capacity 4 MW at site.
2. PP to provide Zero Liquid Discharge Effluent Treatment Plant.
3. PP to ensure that, the tailings generated from iron ore beneficiation are sold to brick manufacturer/ tiles manufacturer and Dolchar generated from sponge iron plant be sold to power plant.
4. PP to carry out detailed bio diversity survey and if any schedule – I species are observed; PP to prepare wild life conservation plan and submit approved copy of the same.
5. PP proposes to provide 33.7 acre of green belt within the premises. PP to complete green belt development with the provision of drip irrigation before commissioning of the manufacturing activity
6. PP to ensure to utilize entire CER fund before commissioning of the manufacturing activity in consultation with the District Collector.
7. PP to complete rain water harvesting facility before commissioning of the manufacturing activity.
8. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.
9. PP to submit copies of MoU executed with the cement plants/ brick manufacturers to reuse/dispose fly ash generated at site.

SEIAA Conditions

1. PP submitted MIDC approved plan dated 24.05.2022. As per the said green belt area provided is 167027.515 m² i.e. 33.21 % of total plot area.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.

11. PP to provide roof top Rain Water Harvesting facility.
12. PP to ensure that proposed project is ZLD.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as

amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Manisha Patankar-Mhaiskar
(Member Secretary, SEIAA) 29/8/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Gadchiroli
7. Regional Officer, Maharashtra Pollution Control Board, Chandrapur.