

**F. No. J-11011/714-B/2008-IA.II (I)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(Impact Assessment Division)**

2<sup>nd</sup> Floor, Vayu Block  
Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj,  
New Delhi-110003

**Dated: 01<sup>st</sup> May, 2023**

To,

**M/s AMNS Power Hazira Limited**  
AMNS House, AMNS Township 27 Km,  
Surat-Hazira Road, Hazira,  
Surat – 394 270, Gujarat

**Sub: Captive Power Plant (270 MW) at Hazira, District Surat, Gujarat -  
Transfer of environmental clearance from M/s Essar Power Hazira Ltd  
to M/s AMNS Power Hazira Limited – Transfer of Environmental  
Clearance - reg.**

Sir,

This has reference to your online proposal no. IA/GJ/THE/296871/2023 dated 21<sup>st</sup> January, 2023 regarding transfer of the Environmental Clearance for the above said project from M/s Essar Power Hazira Limited to M/s AMNS Power Hazira Limited.

2. The Ministry had earlier issued environmental clearance for Captive Power Plant (270 MW) at Hazira, District Surat, Gujarat in favour of M/s Essar Power Hazira Ltd vide letter dated 5<sup>th</sup> July, 2010.

3. M/s AMNS Power Hazira Limited has submitted application for transfer of environmental clearance and informed that M/s Essar Power Hazira Limited has been taken over by M/s AMNS Power Hazira Limited for operating captive power plant (270 MW), and thus necessitating transfer of all requisite approvals in the name of M/s AMNS Power Hazira Limited.

4. M/s AMNS Power Hazira Limited, has submitted an affidavit to abide by the terms and conditions stipulated in the environment clearance dated 5<sup>th</sup> July, 2010 issued in the name of M/s Essar Power Hazira Limited.


5. M/s Essar Power Hazira Limited has submitted No Objection Certificate and stat that M/s Essar Power Hazira Limited has No objection in transfer of EC in favour of M/s AMNS Power Hazira Limited.

6. As per the relevant provisions of the EIA Notification, 2006, the environmental clearance to the project Captive Power Plant (270 MW) at Hazira, District Surat, Gujarat granted by the Ministry vide letter no. J-11011/714-B/2008-IA.II (I) dated 5<sup>th</sup> July, 2010 are hereby transferred from M/s Essar Power



Hazira Limited to M/s AMNS Power Hazira Limited on the same terms and conditions under which prior environmental clearance was initially granted.

7. This issues with approval of the competent authority.

  
1.05.2023  
**(Yogendra Pal Singh)**  
**Scientist 'E'**

**Copy to: -**

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110 001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi - 110 066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD cum-Office Complex, East Arjun Nagar, Delhi - 110 032.
4. The Deputy Director General of Forests (Central), Integrated Regional Office, Office Address: Room No. 407, Aranya Bhawan, Near CH-3 Circle, Sector 10A, Gandhinagar, Gujarat - 382 010.
5. The Additional Chief Secretary, Forests & Environment Department, Government of Gujarat, Block-14, 8<sup>th</sup> Floor, Sachivalaya, Gandhinagar - 382 010, Gujarat.
6. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector-10A, Gandhinagar - 382 010.
7. The District Collector, Kutch District, City Police Station Rd, Old Umed Nagar, Bhuj, Gujarat - 370 001.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.

  
1.05.2023  
**(Yogendra Pal Singh)**  
**Scientist 'E'**

F. No. J-11011/714-B/2008- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

E-mail:plahujarai@yahoo.com  
Tele/fax: 011-24363973  
Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003  
Dated: July 5<sup>th</sup>, 2010

To,  
M/s Essar Power Hazira Ltd.  
Hazira - 394 270  
District Surat, Gujarat.

E-mail: vijay.joshi@essar.com / jarafat@essar.com ;  
Fax No. : 011 –29837874/29844370, 0261-6688888

Subject : Captive Power Plant (270 MW) at Hazira, District Surat, Gujarat by M/s  
Essar Power Hazira Ltd. (EPHL) – Environment clearance reg.

Ref. : Your letter no. ESHL/ENV/11-09/01 dated 31<sup>st</sup> October, 2009.

Sir,

Kindly refer your letter no. ESHL/ENV/11-09/01 dated 31<sup>st</sup> October, 2009 alongwith project documents including Form I and Pre-feasibility Report and EIA/EMP as per the EIA Notification, 2006 and related project documents and subsequent clarifications furnished vide communications dated 24<sup>th</sup> February, 2010 and 16<sup>th</sup> March, 2010 regarding above mentioned project.

2.0 You have informed to the Ministry that as a part of group restructuring activity by the Essar Group, all the power plants are to be handled by separate company viz M/s Essar Power Hazira Ltd. (EPHL) and accordingly have requested to transfer Captive Power Plant (2x135; 270 MW) in the name of M/s Essar Power Hazira Ltd. (EPHL). Transfer is for administrative and commercial reasons. There will be no change in any of the features of the Captive Power Plant (270 MW) including capacity, technology, location, land requirement, fuel and water requirement, pollution load etc. Power generated will be used by M/s Essar Steel (Hazira) Ltd. (ESHL) for captive use only.

3.0 The Ministry of Environment and Forests has examined the application. It is noted that Ministry has already accorded environmental clearance for the existing Integrated Steel Plant (4.5 MMTPA) alongwith Captive Power Plant (270 MW) vide letter no. J-11011/327/06 IA (II)(I) dated 29<sup>th</sup> May, 2008 at Hazira, District Surat, Gujarat and subsequently for the expansion of the Integrated Steel Plant (4.5 to 5.0 MMTPA) with HBI (7.20.000 MTPA) alongwith Captive Power Plant (270 MW) vide letter dated 28<sup>th</sup> December, 2008 at the same project site. Total project area for the Captive Power Plant (270 MW) is 25 ha. No land will be acquired and expansion will be carried out on the existing land only. Total cost of the project will be Rs. 1,450.00 Crores.

4.0 Imported coal (7.80.000 TPA) supplemented by Cprex gas, coke oven gas and DRI tail gas will be used as fuel. Electrostatic precipitator (ESP), bag filters, dust

extraction (DE) & dust suppression (DS) system etc. will be provided to control emissions. Water sprinklers, dedusting system, fume extraction system etc will be provided to control fugitive emissions from various sources. Total water requirement will be 19,873 m<sup>3</sup>/day. The treated wastewater will be used for ash handling, dust suppression, green belt development and remaining will be discharged to Tapi Estuary after meeting the norms as per standards prescribed. Solid/hazardous wastes will be disposed off in environment-friendly manner.

5.0 No Public Hearing / Public Consultation is required due to expansion of the proposed unit in the same campus as per Section 7 (ii) of EIA Notification, 2006

6.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 14<sup>th</sup> September, 2006 subject to strict compliance of the following conditions:

**A. SPECIFIC CONDITIONS :**

- i. The Ministry's environmental clearance accorded for the existing Integrated Steel Plant (4.5 MMTPA) alongwith Captive Power Plant (270 MW) vide letter nos. J-11011/74/06 IA dated 13<sup>th</sup> June, 2006, J-11011/327/06 IA (II)(I) dated 25<sup>th</sup> April, 2007 and 29<sup>th</sup> May, 2008 & Integrated Steel Plant (5.0 MMTPA) alongwith Captive Power Plant (270 MW) vide letter no. J-11011/714/2008- IA II (I) dated 22<sup>nd</sup> December, 2008 for the specified products in the name of M/s Essar Steel (Hazira) Ltd. stands withdrawn and supersedes all the previous environmental clearances from the date of issue of this environmental clearance.
- ii. The gaseous emissions from the various units shall conform the load/mass based standards notified by the Ministry on 19<sup>th</sup> May, 1993 and standards prescribed from time to time. The Gujarat Pollution Control Board (GPCB) may specify more stringent standards from the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- iii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- iv. Efforts shall be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted. On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks for all the parameters (SPM, SO<sub>2</sub> and NO<sub>x</sub>, CO & Hg) and sufficient air pollution control devices shall be provided to keep the emission levels below 100 mg/Nm<sup>3</sup> and data shall be submitted to Ministry's Regional Office at Bhopal, CPCB and GPCB.
- v. Electrostatic precipitator (ESP) to Captive Power Plant (CPP) and bag filters to coal blending section, dry coal screen house shall be provided to control gaseous emissions within the permissible limit. The flue gas emission through stacks attached to the captive power plant shall conform to the standards prescribed by the GPCB and data shall be submitted to Ministry's Regional Office at Bhopal, CPCB and GPCB.

- vi In-plant control measures for controlling fugitive emissions from spillage/raw material handling shall be provided. Further, specific measures like water sprinklers/bag filters/cyclone dedusting system shall be provided to raw material handling section, transfer points, conveyors and hoppers, curtains etc. Suitable enclosures, dust collection system and water sprinkling on haul roads shall be provided to control fugitive emissions. Data on fugitive emissions shall be regularly monitored and records maintained.
- vii Gaseous emission levels including secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed. The emission standards issued by the Ministry in May, 2008 for the sponge plants shall be followed.
- viii Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.
- ix Total water requirement from Singanpore Weir shall not exceed 19,873 m<sup>3</sup>/day. No ground water shall be used. Separate drains for domestic, process, storm water shall be provided in consultation with GPCB. Acidic and alkaline effluent from DM water plant shall be neutralized and reused in the plant through ash pond. Oil traps shall be provided to remove oil and grease. All the wastewater from process shall be treated and recycled and reused for ash handling, dust suppression and green belt development. The domestic wastewater shall be treated in sewage treatment plant (STP) and treated wastewater after conforming to the prescribed standards shall be used for green belt development.
- x An effort shall be made not to discharge any treated wastewater outside the premises and adopt 'Zero' effluent discharge. An effort shall also be made to recycle and reuse the maximum treated wastewater in the process itself to reduce quantity of water consumption and effluent discharge into Tapi estuary. Only excess treated wastewater after meeting the norms of Gujarat Pollution Control Board or as mentioned in E(P) Act, whichever are more stringent, shall be discharged to Tapi Estuary through RCC Pucca Channels.
- xi Prior permission for the drawl of 19,873 m<sup>3</sup>/day water from Singanpore Weir from the concerned department shall be obtained.
- xii The water consumption shall not exceed as per prescribed standard prescribed in the E(P) Act.
- xiii Ground water monitoring around the solid waste disposal site/secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry's Regional Office at Bhopal, CPCB and GPCB.
- xiv All the char from DRI plant shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. All the other solid wastes including broken refractory mass shall be properly disposed off in environment-friendly

manner Used lube oil and oily waste shall be provided to authorized recyclers/reprocessors.

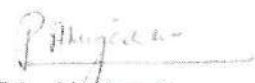
- xv A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
- xvi Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB.
- xvii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 as amendment in 2003 and 2010.
- xviii As proposed, green belt for adequate width and density shall be provided in at least 33 % of plant area and along the boundary wall of the site as per the CPCB guidelines.
- xix The company shall undertake rainwater harvesting measures by collecting the rainwater through drains. The water collected shall be connected to raw water pipeline for reuse in the plant. The company shall provide proper drainage system for rainwater to prevent water logging within and in the vicinity of the plant.
- xx Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act
- xxi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Sector shall be implemented and progress report shall be submitted to MOEF/CPCB.
- xxii Environmental Clearance under CRZ Notification, 1991 and subsequent amendments shall be obtained for Deep Draught Berth (550 meter Jetty along with channel) prior to commencement of the construction activities and the copy of environment clearance accorded shall be submitted.
- xxiii. Coal shall be used in coal based captive power plant only. Natural gas shall be used in Corex plant, Steel melting shop, Caster shop and Long product mill and Lime plant etc.
- xxiv. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

## **B. GENERAL CONDITIONS**

- 1 The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB) 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 and Forest.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the State Pollution Control Board. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhopal and GPCB/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 19<sup>th</sup> May, 1993 and 31<sup>st</sup> 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EPA / 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.
- vii. As mentioned in the EIA/EMP, Project authorities shall ensure judicious utilization of Rs. 40.00 Crores and 0.40 Crores earmarked towards capital cost and recurring cost/annum for the environmental pollution control to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. An implementation schedule for complying with all the conditions stipulated herein shall be submitted to the Regional Office of this Ministry at Bhopal / CPCB / GPCB. The funds so provided shall not be diverted for any other purposes.
- viii. 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
- ix. 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 at Bhopal, the respective Zonal Office of CPCB and the gPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (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.


- x. 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, the respective Zonal Office of CPCB and the GPCB. The Regional Office of this Ministry at Bhopal / CPCB / GPCB shall monitor the stipulated conditions.
  - xi. The environmental statement for each financial year ending 31<sup>st</sup> 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
  - xii. 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 GPCB and may also be seen at Website of the Ministry of Environment and Forests 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.
  - xiii. Project authorities shall inform the Regional Office at Bhopal 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.
- 7.0 The Ministry may revoke or suspend the clearance, if implementation of any of above conditions is not satisfactory
- 8.0 The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- 9.0. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.
- 10.0 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 and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules

  
(Dr. P.L. Ahujarai)  
Scientist 'F'



Copy to:

1. The Secretary, Department of Environment and Forests, Government of Gujarat, Gandhinagar, Gujarat.
2. The Chief Conservator of Forests (Central), Ministry of Environment and Forests, Regional Office, (West), Link Road No. 3, E-5, Arera Colony, Bhopal – 462 016, (M.P.)
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi – 110 032.
4. The Chairman, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10-A, Gandhinagar, Gujarat -382010.
7. Adviser, IA-II, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi – 110 003.
8. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi – 110 003.
7. Guard File.
8. Monitoring File.
9. Record File.

  
(Dr. P.L. Ahujarai)  
Scientist 'F'