



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS
& CLIMATE CHANGE

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F.No:EC-985/RON/2019-NGP/ 5635

Date: 22.08.2019

To,

**The Principal Secretary
Environment Department,
& Member Secretary (SEIAA)
Government of Maharashtra
2nd Floor, Mantralaya, Annexe
Mumbai-400032**

Sub: Environmental clearance granted for steel unit for manufacturing of 3000 MT/month M.S. Ingots and steel billets by M/s. Nilanjan Iron Pvt. Ltd at Five Star MIDC Kagal, Kolhapur

Ref:

1. SEIAA letter no. EC-2009/CR134/TC2 dated 09.10.2009

Sir,

I am directed to invite your kind attention on the above subject and letter under reference. Site inspection of steel unit for manufacturing of 3000 MT/month M.S. Ingots and steel billets by M/s. Nilanjan Iron Pvt. Ltd at Five Star MIDC Kagal, Kolhapur has been carried out on 14.07.2019. Inspection report is enclosed herewith. Following observations were made during the site inspection:

SEIAA, Government of Maharashtra vide letter dated 09.10.2009 granted environmental clearance for manufacturing of 3000 MT/month M.S. Ingot and steel billets at MIDC, Kagal, Kolhapur, Maharashtra. Zero liquid discharge is being implemented as the treated water is being reused for quenching the hot billets. Dust collector with scrubber has been provided for the air pollution control. During site inspection, housekeeping in the plant found to be good.

Following condition were not complied:

Condition no. xi:

Rain water harvesting system is yet to be implemented. As informed, the rain water harvesting system will be provided in the expansion phase of the project.

Condition no. xxvii & xxx:

PA submitted only 2 six monthly compliance reports since the grant of environmental clearance.

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Following conditions were partially complied:

Condition no. xxv:

As per the information provided, amounts of Rs. 110.50 Lakhs and Rs. 25.30 Lakhs/annum have been allocated for capital and recurring works for environmental protection measures. However, PA did not provide the details of expenditure made on environmental protection measures till date.

Condition no. xxvi:

Advertisement has been made, however the clause of seven days was not followed.

Condition no. xxix:

PA did not upload the copy of six monthly compliance report to company website.

This issues with the approval of DDGF (Central), Regional Office, Nagpur.

A. Suresh Kumar
22/08/19
Suresh Kumar Adapa
Scientist 'D'

Encl: as above

Copy to:

1. Director RO HQ, Ministry of Environment, Forest & Climate Change, Government of India, 1st Floor Agni Wing, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi-110 003
2. Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003
3. M/s. Nilanjan Iron Pvt. Ltd., Plot No. B-7, Five Star MIDC, Kagal, District Kolhapur, Maharashtra-416216 (Project shall submit the action taken report against the non/partial compliances raised in the monitoring report)
4. Guard file

A. Suresh Kumar
22/08/19
Suresh Kumar Adapa
Scientist 'D'

Monitoring the Implementation of Environmental Safeguards
Ministry of Environment, Forest & Climate Change
Regional Office (West Central Zone), Nagpur

Monitoring Report

Part – I

DATA SHEET

1.	Project Type: River-valley / Mining / Industry / Thermal / Nuclear / Other (Specify)	Industry
2.	Name of the Project	M/s Nilanjan Iron Pvt. Ltd.
3.	Clearance Letter (s) / OM No. and date	EC-2009/CR134/TC2 dated 09.10.2009
4.	Location a. District (s) b. State (s) c. Latitude d. Longitude	Plot no. B-7, Kagal Five Star MIDC Kolhapur Maharashtra 16°37'44.42"N 74°20'41.29"E
5.	Address for correspondence a. Address of concerned Project Chief Engineer (with Pin Code & Telephone/ Telex/ Fax Numbers) : & Address of Executive Project Engineer / Manager (with pin code/fax numbers)	Mr. Ankush Singla Factory: Plot no. B-7, Kagal Five Star MIDC, Kagal, District-Kolhapur-416 216. Reg. Off: 401/402/403/404, 4 th Floor, Raghunath Esquire- Pajifond Salcete, Margao, South Goa, Goa-403 601. E-mail: Nilanjan.iron7@gmail.com Ph. No: 0231- 661 5914
6.	Salient features a. Of the Project b. Of the Environmental Management Plan	a. M/s. Nilanjan Iron Pvt. Ltd. is having steel manufacturing facility for manufacturing of MS Billets/MS ingots. b. 1. Air Environment Stacks of 2 No's of 40mts height installing with fume extraction system with ventury scrubber. Dust suppression methods uses for Air emissions. Vehicular emissions reduced by paved roads, regular sweeping and water sprinkling. Green belt developed on the periphery of the project. 2. Water & Waste Water Project based on Zero Liquid Discharge. Air cooled cooling system adopted to minimize water consumption by 55%. 3. Solid Waste Process wastes used for Brick & Cement Manufacturing. 4. Noise Environment Noise will be reduced by providing regular servicing for mechanical equipments, ecooustic enclosers and Green Belt development along the periphery of the plant. 5. Energy Conservation

		Solar lighting system will be provided for Admin Block, Street Lighting area, Parking area and common areas.
7.	Breakup of the Project area a. Submergence Area: Forest & Non Forest b. Others	Not Applicable
	a. Total Plot Area	10174.0 sq.m.
	b. Built - Up Area (Including Road)	3367.71sq.m(plant)+864.0 sq.m.(road)+1363.97sq.m(parking)
	c. Open Space available	1121.53sq.m
	d. Green belt area	3456.79Sq.m
8.	Breakup of the Project affected population with enumeration of those losing houses/dwelling units only, agricultural land only, both dwelling units & both dwelling units & agricultural land & landless laborers/artisan a. SC, ST/Adivasis b. Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey carried out gives details and years of survey.)	Not Applicable
9.	Financial Details a. Project costs as originally planned & subsequent revised estimates and the year of price reference. b. Allocations made for Environmental Management Plan with item wise & year wise breakup. c. Benefit Cost Ratio / Internal rate of Return and the year of assessment. d. Whether (c) includes the cost of Environmental Management as shown in the above. e. Actual expenditure incurred on the Project so far f. Actual expenditure incurred on the Environmental Management Plan so far	Existing cost of project Rs 14.00 Cr and additional Rs. 5.00 Cr proposed for expansion of the project. Rs. 110.50 Lakhs capital expenditure and 25.30 Lakhs recurring expenditure towards Environmental Management Plan. Rs. 10 Lakhs allotted towards Corporate Environment Responsibility.
10.	Forest land requirement a. The status of approval for diversion of Forestland for non-forestry use b. The Status of clearing felling c. The status of compensatory Afforestation programme in the light of actual field experience	Not Applicable
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir,	Not Applicable

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	Approach roads), if any with quantitative information	
12.	Status of construction a. Date of commencement (Actual and/or Planned) b. Date of completion (Actual and/or Planned)	15-10-2009 18-02-2010
13.	Reasons for the delay if the project is yet to start	Not Applicable
14.	Dates of site visits a. The dates on which the Project was monitored by Regional Office on previous occasions, if any b. Date of site visit for this monitoring Report	Not been visited yet.
15.	Details of correspondence with project authorities for obtaining action plan / information on status of compliance to safeguards other than the routine letters for logistic support for site visit. (The monitoring report may obtain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)	---

Compliance status of conditions stipulated in environmental clearance granted for steel unit for manufacturing of 3000 MT/month M.S. Ingots and steel billets by M/s. Nilanjan Iron Pvt. Ltd at Five Star MIDC Kagal, Kolhapur granted by SEIAA, Government of Maharashtra vide letter no. EC-2009/CR134/TC2 dated 09.10.2009

S.No	Condition	Compliance Status
i.	Consent for Establishment shall be obtained from Maharashtra pollution control board under air and water act and a copy shall be submitted to the Environment department before start of any construction work at the site.	MPCB granted consent to establish vide letter no. BO/RO(P&P)/ROKP/O/R/EIC No. KP1403-08/CC-438 dated 26.11.2008. Consent to establish has been granted prior to the grant of environmental clearance.
ii.	No land development / construction work preliminary or otherwise relating to the project shall be taken up without obtaining due clearance from respective authorities.	Complying with. Construction of the project had been started after obtaining EC and consent to establish. As per the information provided, the project has been established within the plot area of 10,174 sq.m.
iii.	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	
iv.	Provision shall be made for the housing of construction labor 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.	Project is in operation.
v.	For controlling fugitive natural dust regular sprinkling of water & wind shield at appropriate distances in vulnerable areas of the plant shall be ensured.	Complying with. Water sprinkling arrangement has been made for controlling of fugitive emissions. PA submitted that internal roads will be concretized in the expansion of the project.
vi.	Regular monitoring of the air quality including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the project and record shall be maintained the location of monitoring station and frequency of monitoring shall be decided in consultation with Maharashtra pollution control board (MPCB) & submitted report accordingly to MPCB.	Complying with. Stack emissions are being monitored through MoEF&CC recognized laboratory. As per the monitoring data, the emission levels found to be confirming to prescribed standards. Ambient air quality is being monitored at 2 locations. As per the monitoring data, the ambient air quality found to be confirming to prescribed standards.

vii.	The process emission and particulate matter from various units shall confirm to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	PA agreed to comply with. Dust collector along with scrubber has been provided for controlling the particulate matter. Stack emissions are being monitored regularly.
viii.	Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall confirm to the limits imposed by MPCB	Complying with. Water sprinkling arrangement has been made for the internal roads. Fugitive emissions are being monitored.
ix.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains	No liquid raw material is being used in the production process.
x.	For control of process emissions, stacks of appropriate height as per the CPCB guidelines shall be provided. The scrubbed water shall be sent to the ETP for further treatment.	Complying with. Stack of height 30 meters has been provided for the induction furnace. Dust collector with scrubber has been provided for the furnace. Scrubbed water is routed through sedimentation pit and reused for quenching of hot products.
xi.	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Not complied. Rain water harvesting system is yet to be implemented. As informed, the rain water harvesting system will be provided in the expansion phase of the project.
xii.	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board	Ground water is not being monitored. PA informed that there is no source of ground water within the project area.
xiii.	The project proponent shall treat the wastewater up the industry specific standards as notified in EPA or as laid down by the MPCB whichever are stringent.	No trade effluent is being generated from the project. Scrubbed water is being routed through sedimentation pit and being reused for quenching of hot products.
xiv.	Leq of noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Complying with. Ambient noise levels are being monitored at 2 locations. Work zone noise levels are being monitored at 3 locations. As per the monitoring data, the noise levels found to be within prescribed standards.
xv.	The overall noise levels in and around	

	the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. On all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environmental (Protection) Act, 1986 Rules.1989.	
xvi.	Green belt shall be developed & maintained around the plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	PA agreed to comply with. As informed, green belt has been developed with the plantation of 220 no.s of trees of different species. PA submitted that green belt will be further enhanced after expansion.
xvii.	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	No hazardous chemicals are being used in the process. Firefighting system has been provided to handle the fire accidents.
xviii.	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Complying with. Health checkup of the employees is being carried out once in 6 months. The records are being maintained in Form-07.
xix.	The solid waste shall be properly collected, segregated and disposed as per the provision of solid waste (Management and Handling) Rules,2000	Complying with. Steel scrap generated at the project site is being sold. Slag generated is being sold to brick manufacturers.
xx.	The company shall make the arrangement for protection of possible fine hazards during manufacturing process in material handling.	Complying with. Firefighting system has been provided. As informed training has been provided to the employees on firefighting.
xxi.	The project authorization must strictly company with the rules and regulations with regards to handling and disposal of hazardous wastes in accordance with the hazardous waste (Management and Handling) Rules, 2003. Authorization from the MPCB shall be obtained for collections / treatment /storage /disposal of hazardous Wastes.	No hazardous waste is being generated from the project. MPCB granted authorization vide letter no. RO-KOLHAPUR/CONSENT/18030003461079/18 dated 07.03.2018 with validity upto 31.12.2023.
xxii.	The company shall undertake following Waste Minimization Measures : <ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste. • Reuse of byproducts from the process as raw materials or as 	Scrap is being used for production of billets and ingots.

	<p>raw material substitutes in other process.</p> <ul style="list-style-type: none"> • Use of automated material transfer system minimizes spillage. • Use of "Closed feed" system into batch reactors. 	
xxiii.	Regular mock drills for the one –site Emergency management plan shall be carried out. Implementation of changes/ improvements required, if any, in the on–site management plan shall be ensured.	Complying with. As per the information provided, mock drills are being carried out every three months.
xxiv.	A separate environment management call With qualified staff shall be set up for Implementation of the stipulated Environmental safeguards.	Project is taking guidance from NABET accredited environmental consultancy regarding compliance related aspects. Also environmental quality is being monitored through MoEF&CC recognized laboratory.
xxv.	Separate funds shall be allocated for Implementation of Environmental protection Measures/EMP along with item wise break-up. These cost shall be included as part of the project cost. the funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department	Partly complied. As per the information provided, amounts of Rs. 110.50 Lakhs and Rs. 25.30 Lakhs/annum have been allocated for capital and recurring works for environmental protection measures. However, PA did not provide the details of expenditure made on environmental protection measures till date.
xxvi.	The project management 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 clearance letter are available with the Maharashtra pollution control board and many also be seen at website at http://envis.maharashtra.gov.in	Partly complied. Advertisement has been made, however the clause of seven days was not followed.
xxvii.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	Not complied. PA submitted only 2 six monthly compliance reports since the grant of environmental clearance.

xxviii.	A copy of the clearance letter shall be send By proponent to the concerned municipal Corporation and the local NGO, if any, from whom suggestion/representations, if any were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complying with. As informed, copy of the EC has been submitted to MIDC. Also same has been uploaded to company website.
xxix.	The proponent shall upload the status of Compliance, including result of monitored Data on their website and shall update the Same periodically. It shall simultaneously be send to the regional office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM,SO ₂ ,NO _x (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Partly complied. PA did not upload the six monthly compliance report to company website. However, criteria pollutant levels are being displayed at the project site.
xxx.	The project proponent shall also submit six Monthly reports on the status of compliance of the stipulated EC conditions including result of monitored data (both in the copies as well as by e-mail) to the respective regional office of MoEF, the respective zonal Office of CPCB and the SPCB.	Not complied. PA submitted only 2 six monthly compliance reports since the grant of environmental clearance.
xxxi.	The environmental statement for each financial year ending 31 st march in from -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 EC conditions and shall also be sent to the respective regional offices of MoEF by email.	Complying with. Environment statement has been submitted to MPCB. Also same has been uploaded to company website.
xxxii.	The environmental clearance is binge issued without prejudice to the court case pending in the court of low and it does not mean that project proponent	PA agreed upon.

	has not violated any environmental laws in the past and whatever decision 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	
4.	The environmental department reserves the right 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.	PA agreed upon.
5.	Validity of Environment clearance: The environmental clearance shall be valid a period of 5 years.	PA agreed upon.
6.	No further expansion or modification in the plant is carried without prior approval of SEIAA. In case of any division or alteration in the project proposed from that department for clearance, a fresh reference should be made to the department to assess the adequacy of the conditions imposed and to incorporate additional environmental protection measures required, if any.	PA agreed upon.

A. Suresh Kumar
 22/08/19
 Suresh Kumar Jaiswal
 Scientist 'D'
 वैज्ञानिक 'डी'
 SCIENTIST 'D'
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
 Ministry of Environment, Forest & Climate Change
 क्षेत्रीय कार्यालय (पश्चिम मध्य क्षेत्र)
 Regional Office (WCZ)
 नागपुर/Nagpur-440001

Summary Note

1. Implementation of Conditions:

Site inspection of the project has been carried out on 14.07.2019. SEIAA, Government of Maharashtra vide letter dated 09.10.2009 granted environmental clearance for manufacturing of 3000 MT/month M.S. Ingot and steel billets at MIDC, Kagal, Kolhapur, Maharashtra. Zero liquid discharge is being implemented as the treated water is being reused for quenching the hot billets. Dust collector with scrubber has been provided for the air pollution control. During site inspection, housekeeping in the plant found to be good.

Following condition were not complied:

Condition no. xi:

Rain water harvesting system is yet to be implemented. As informed, the rain water harvesting system will be provided in the expansion phase of the project.

Condition no. xxvii & xxx:

PA submitted only 2 six monthly compliance reports since the grant of environmental clearance.

Following conditions were partially complied:

Condition no. xxv:

As per the information provided, amounts of Rs. 110.50 Lakhs and Rs. 25.30 Lakhs/annum have been allocated for capital and recurring works for environmental protection measures. However, PA did not provide the details of expenditure made on environmental protection measures till date.

Condition no. xxvi:

Advertisement has been made, however the clause of seven days was not followed.

Condition no. xxix:

PA did not upload the copy of six monthly compliance report to company website.


2. Review w.r.t to MOEFs letter dated 30.5.2012:

Site inspection report has been prepared after carrying out the inspection of the project on 14.07.2019 for the expansion of environmental clearance granted for steel unit for manufacturing of 3000 MT/month M.S. Ingots and steel billets by M/s. Nilanjan Iron Pvt. Ltd at Five Star MIDC Kagal, Kolhapur. Compliance status is based on the observations made during site inspection.

3. Court Cases and show cause/closure notices:

No details provided regarding court cases, show cause/closure notices.

MPCB granted consent to operate for MS Ingots plant vide letter no. RO-KOLHAPUR/CONSENT/18030003461079/18 dated 07.03.2018 with validity upto 31.12.2023.


A. Surash Kumar
SURESH KUMAR
SCIENTIST 'D'
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पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
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क्षेत्रीय कार्यालय (पश्चिम गणराज्य)
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