



**State Environment Impact Assessment Authority, M.P.**  
**(Government of India, Ministry of Environment & Forests)**

Environmental Planning Coordination Organization (EPCO)  
Paryavaran Parisar, E-5. Arera Colony  
Bhopal-4620 16

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No: 1923 /SEIAA/2018

Date: 9.3.18

To,  
Shri Anant Bansal, Partner  
M/s Meenakshi Metals Industries (LLP),  
368, Civil Lines, Jhansi  
(U.P) - 284001

**Sub:- Case No 5599 /2017:** Prior Environment Clearance for Manufacturing of MS Billets and TMT Bars 59000 MTPA at Village- Sidhguwan, Tehsil - Sagar, Dist. Sagar (MP) Land Area: 23950 sq.m. by M/s Meenakshi Metals Industries (LLP), through Partner Shri Anant Bansal 368, Civil Lines, Jhansi (U.P) - 284001, Mob no.- 9923334505 email :mmi.tmt @gmail.com Env't Consultant- CES, Bhopal

**Ref:** Your application dtd. 06.11.17 received in SEIAA office on 09.11.2017

With reference to the above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14<sup>th</sup> September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. and additional clarifications furnished in response to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The project is proposed to set up a secondary Metallurgical plant of capacity 59000 Metric Ton per annum for manufacturing M.S. Billets and TMT Bars.
- (ii) This project activity is attracts the provision of EIA Notification 14<sup>th</sup> September 2006, and its amendments comes under the preview of Sr. 3(a) Metallurgical Industries (Ferrous & Non Ferrous) Subcategory B "All other non -toxic secondary metallurgical processing industries".

Further as the project area is located in Notified Industrial Area, Sidhguwan, Sagar Madhya Pradesh, and the proposed capacity of the plant is less than 60,000 Metric Ton Per Annum, therefore as per the Office Memorandum issued by MOEF, Gol, vide dtd. 24th December 2013, its comes under the preview of B-2 Category.

- (iii) There is no inter-state boundary within 10 km and no Wildlife Sanctuaries, National Parks, and Tiger Reserves within 10 km of the boundary hence, general conditions are not attracted.
- (iv) The MPAKVN Sagar has allotted 23950 sqm land on Plot No. 60 – 64, Sector – K, Sidhguwan, Notified Industrial Area, Sagar Madhya Pradesh for Industrial activity of Manufacturing TMT Bars & M.S. Billets for a period of Ninety Nine years commencing from the date 28/06/2017 and ending on 27/06/2116. The lease deed has been registered on 29/06/2017.
- (v) The project is located in notified Industrial Area, Sidhguwan, Sagar (M.P), hence as per Gol, MoEF OM dtd 10.12.14 Public hearing is exempted.
- (vi) The raw material will brought from Raipur, Raigarh or from Southern States, the Factory Site is well connected with Jabalpur Sagar Road, which is well connected with NH-86 Jhansi.
- (vii) The total water requirement for the existing unit is 100 KLD mainly required for domestic and Cooling purpose. The source of water supply for the project is AKVN Sagar.
- (viii) The water shall be required only for cooling and domestic purpose hence no industrial effluent shall be discharged. Thus the production process is zero discharge. Bleed water from cooling tower approx. 1.00 kld shall be used for slag quenching. Waste water from domestic use shall be treated in STP of 15 kld. the quantity of sewage shall be approx. 8.0 kld.
- (ix) The emission of air pollutants will be controlled by suitable air pollution control measures like Fume extraction system (EFS) and bag filters.
- (x) Solid waste will be Iron slag of Approx. 12000 MTPA shall be used for filling low line area and road construction, after Iron recovery.  
 Mill Skull – 2000 MTPA shall be again charged in Induction furnace.  
 Miss Roll – 2000 MTPA shall be either sold with TMT Bars or again melt in IF.
- (xi) For disposal of Hazardous waste, PP has proposed as follows:-  
 Hazardous Waste - Used oil from DG sets – 0.5 MTPA – given to authorized recyclers.  
 Oil soak Cotton – 0.20 MTPA – disposed through TSDF  
 Dust from Bag filter – 120 MTPA – disposed through TSDF, if required  
 Spent Resin – 1.0 MTPA – disposed through TSDF.
- (xii) PP has also proposed the Iron slag shall be kept on RCC Platform in covered shed to avoid contamination in rainy season, for this purpose provision of 1200 sq.m. area has been earmarked.
- (xiii) The power requirement of the project is – 9900 KW and the source is MP State Vidyut Vitaran Co. Ltd., Sagar.
- (xiv) PP has proposed roof top rain water harvesting for recharging of ground water.
- (xv) PP has proposed disaster management, fire fighting provisions in the project site.
- (xvi) Plantation shall be carried out at the periphery in the factory premises within the specifying of 2m x 2m, an area of 8000 sqm shall be covered with plantation /

gardening. Thus in the 6000 sqm area plantation of above species shall be carried out while in 2000 sqm area, ornamental plants with gardens shall be developed.

- (xvii) Under CSR activities PP has proposed Infrastructure development through MPAKVN, Training to the ITI Students of electrical / fitter branch with Stipend in factory , Installation of Solar Lights – 10 Nos. every year in nearby Villages, provide Computer – 1. Nos. in Chana Toriya Govt. School, with a teacher with budgetary provision of Rs. 3,60,000.

Based on the information submitted at Para i to xvii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 470<sup>th</sup> meeting held on 22.02.2018 and decided to accept the recommendations of 300<sup>th</sup> SEAC meeting held on dtd 08.12.17.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments to the Manufacturing of MS Billets and TMT Bars 59000 MTPA at Village- Sidhguwan, Tehsil - Sagar, Dist. Sagar (MP) Land Area: 23950 sq.m. by M/s Meenakshi Metals Industries (LLP), through Partner Shri Anant Bansal 368, Civil Lines, Jhansi (U.P) - 284001 subject to the compliance of the Standard Conditions enclosed at **Annex-I** and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

**A. Specific Conditions as recommended by SEIAA**

- (1) The entire demand of fresh water should be met through AKVN supply and there should be no extraction of ground water.
- (2) PP should ensure zero waste water discharge from the process.
- (3) PP should ensure air pollution control measure as proposed in EMP and should conduct regular monitoring of stack emissions and ambient air as per MPPCB / CPCB norms. For regular monitoring of air emission PP should installed ambient air monitoring stations.
- (4) PP should ensure the disposal of hazardous waste through authorized agencies and obtained consents from competent Authorities.
- (5) Raw material should be unloaded from raw material yard only through main road to avoid traffic congestion and accident.
- (6) PP should ensure the roof top area of plant area including raw material storage area, finished goods area, and office building occupy-5500 sq.m. area should be used for rain water harvesting for ground water recharge. The concrete road of the site area should be regularly cleaned.
- (7) PP should obtain NOC for fire and approval for onsite offsite emergency plan, health and safety plan from the Competent Authorities.
- (8) Under green area development PP should ensure : -
  - (a) Plantation in the factory premises within the specifying of 2m x 2m, an area of 8000 sqm shall be covered with plantation / gardening as

proposed. Subject to minimum of 33% of the total area of the project with budgetary provision of Rs 5.0 lakh.

- (b) Plantation of the trees of indigenous local varieties like Neem, Peepal, Kadam, Karnj, Kachnaar etc.
- (c) Periphery Plantation should be completed within one year within the plant premises.
- (d) Every effort should be made to protect the existing trees on the plot.
- (9) PP should ensure implementation of CSR activity of Rs. 3.60 lakh in consultation with Collector, Sagar/gram Panchyat of nearby villages..
- (10) PP should ensure all the raw material including scrap, coal, slag, sludge and oily waste shall be stored separately in designated place.
- (11) Monthly monitoring should be done of all the environmental parameters and Environmental Management Cell meeting should be carried out every month.

#### **B. Specific Conditions as recommended by SEAC**

##### **(A) PRE-CONSTRUCTION PHASE**

- (12) During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
- (13) For dust suppression, regular sprinkling of water should be undertaken.
- (14) PP will obtain other necessary clearances/NOC from respective authorities.
- (15) Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.

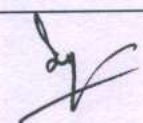
##### **(B) CONSTRUCTION PHASE**

- (16) PPE's such as helmet, welding shield, ear muffs etc should be provide to the workers during construction/plant erection activities.
- (17) Fire extinguishers should be provided on site during construction/ plant erection period.
- (18) Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
- (19) Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.

- (20) Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 1500 no's of trees will be planted. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
- (21) MSW of various labors generated during construction/plant erection activities should be disposed off at a designated place in consultation with the local authority.
- (22) Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

### (C) POST CONSTRUCTION/OPERATIONAL PHASE

- (23) Total water requirement for the project shall not exceed 100.00 KLD.
- (24) The domestic waste water should be treated in STP of 10 KLD.
- (25) No industrial effluent from the unit shall be discharged outside the plant premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
- (26) To control the particulate emission from the induction furnace two numbers (08 T each), fume extraction system followed by bag filter meeting 50 mg/Nm<sup>3</sup> shall be installed.
- (27) As proposed, reverse pulse jet cleaning bag filters should be provided as APCD with 2<sup>nd</sup> stage fume extraction system on the top of the shed.
- (28) Hazardous wastes should be disposed off as per the authorization issued by MP Pollution Control Board.
- (29) Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
- (30) Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
- (31) The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Manufacture, Storage and Import of Hazardous Chemicals Rules 1989, as amended, the Public Liability Insurance Act for handling of hazardous chemicals, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, Solid Waste Management Rules, 2016 etc.



- (32) Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- (33) The ambient air quality shall be monitored in and around the industry and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
- (34) Once in a year, health survey of the employees should be carryout.
- (35) The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
- (36) Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
- (37) Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

#### (D) ENTIRE LIFE OF THE PROJECT

- (38) The proposed EMP cost is Rs. 176.50 lacks and Rs. 8.50 lacks /year are proposed as recurring expenses out of which Rs. 05.00 lacks is proposed for green belt development and Rs. 01.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
- (39) Under CSR activity, Rs. 3.60 lacks are proposed for the next 05 years in different activities and should be implemented through respective committees.
- (40) The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
- (41) A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
- (42) As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.

- (43) PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- (44) The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

1924  
Endt No. / SEIAA/ 2018  
Copy to:-

Dated 9.3.18

(P.Narahari)  
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3<sup>rd</sup> Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Sagar M.P.
- (5). Managing Director, M.P. Audyogik Kendra Vikas Nigam (Sagar) Limited, Richa Hospital Building, Vijay Nagar, Infront of Padmakar Police Chouki, Makronia, Sagar, Madhya Pradesh, India, Pincode-470004
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.

Encl: Standard Conditions (Annex-I)

(Dr. Sanjeev Sachdev)  
Officer-in-Charge

# State Environment Impact Assessment Authority, M.P.

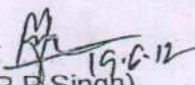
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Research and Development Wing, Madhya Pradesh Pollution Control Board,  
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16


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Annex-I

## Standard Conditions related to Activity 3 (a) - Metallurgical Industries of Category B projects under the Schedule of Ministry of Environment and Forests, GoI notification dtd 14-09-06

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. Environmental Management Plan (EMP) should be in strictly in accordance to the findings of Environmental Impact Assessment.
3. Execution of all activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
5. 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.
6. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. No overloading of raw material for transportation shall be committed.
7. Periodic monitoring shall be carried out as per norms for RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the M. P. Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and displayed.
8. Gaseous emissions including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the CPCB.
9. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Regional office of the Ministry of Environment and Forest, Bhopal and the M.P. Pollution Control Board / Central Pollution Control Board once in six months.
10. Water sprinkling shall be done to control fugitive emission. Monitoring of fugitive emissions in the work zone environment shall be carried out regularly as per the CPCB guidelines and reports submitted to Madhya Pradesh PCB / CPCB and Ministry's Regional Office at Bhopal.
11. Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 as amended from time to time. The treated wastewater shall be utilized for plantation and dust suppression purpose. The domestic waste water shall be treated in septic tank followed by soak pit.
12. The Project Proponent shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
13. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.

  
(Dr R P Singh)  
Officer-in-Charge

  
(Dr U M Shukla)  
Officer-in-Charge

1 of 3

3 (a) -Metallurgical Industries of Category

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Dated 24.2.15  
Issued Vide No. 1923-24 SEIAA/EPCO  
Dated 9.3.18

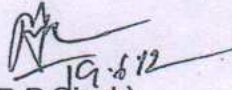


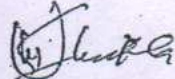
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Research and Development Wing, Madhya Pradesh Pollution Control Board,  
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14. All the solid waste shall be properly utilized or disposed off in environment friendly manner or in secured landfills within the plant premises as per the CPCB guidelines. Waste oil and oily sludge shall be provided to registered recyclers / reprocessors as per CPCB guidelines.
15. Proper house keeping shall be ensured and all the raw material including scrap, coal, slag, sludge and oily waste shall be stored separately in designated place only. All the other solid wastes including broken refractory mass shall be properly disposed off in environment - friendly manner.
16. The Proponent 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.
17. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
18. All the measures regarding occupational health surveillance of the workers shall be undertaken and regular medical examination of all the employees shall be ensured as per the Factories Act and records maintained.
19. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
20. The project authorities shall inform to the Regional office of the Ministry of Environment and Forest, Bhopal and MPPCB final approval of the project by the concerned authorities and the date of start of land development work.
21. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Regional office of the Ministry of Environment and Forest, Bhopal.
22. The Regional Office, MoEF, Gol, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, should be given to Regional Office, MoEF, Gol, Bhopal and MP PCB.
23. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation, if any shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
24. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
25. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in addition to the associated Government Departments responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
26. The project proponent has to strictly follow directions/guideline issued by the MoEF, Gol, CPCB and other Govt. agencies from time to time.

  
(Dr R P Singh)  
Officer-in-Charge

  
(Dr U M Shukla)  
Officer-in-Charge

2 of 3

3 (a) -Metallurgical Industries of Category

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Dated. 24.2.15

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Dated. 9.3.18

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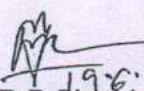
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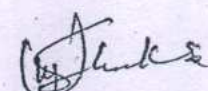
(Government of India, Ministry of Environment & Forests)

Research and Development Wing, Madhya Pradesh Pollution Control Board,  
Paryavaran Parisar, E-5, Arera Colony, Bhopal-4620 16

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27. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at [www.mpseiaa.nic.in](http://www.mpseiaa.nic.in) and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.
28. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
29. The Ministry or any other competent authority may alter/modify the conditions or stipulate any further condition in the interest of environment protection.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
32. The conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
33. The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. 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 project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
34. The prior Environmental Clearance granted for the project is valid for a period of five years as per EIA notification dtd. 14.09.2006.
35. The Corporate Social Responsibility as envisaged in the office memorandum dtd 18.05.2012 of the Ministry of Environment & Forests should be appropriately ensured.
36. 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 along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.

  
(Dr R P Singh)  
Officer-in-Charge

  
(Dr U M Shukla)  
Officer-in-Charge

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3 (a) -Metallurgical Industries of Category

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