

# MAA CHHINMASTIKA CEMENT AND ISPAT PRIVATE LIMITED

Registered Office & Works:

At - Hahal, Post - Barkakana - 829103, Dist.- Ramgarh (Jharkhand)

ramgarh\_jh@rediffmail.com

Date: 07/01/2019

To,

**The Member Secretary,**  
Expert Appraisal Committee (Industry-1)  
Ministry of Environment, Forest and Climate Change  
Jor Bagh, New Delhi

**Subject:-** Submission of Reply of EDS generated on 14/11/2018 for the Project entitled "Expansion of M/s Maa Chhinmastika Cement and Ispat Pvt. Ltd. for production of 67,500 TPA Rolled Product by installation of 2x12 Ton Induction Furnace with Billet Caster, Iron Ore Crushing & Beneficiation Plant, Slag crusher along with 15 MW Power Plant at Village Hehal, P.O. Barkakhana, District- Ramgarh, Jharkhand."

**Reference:** MoEF&CC File No: -11011/215/2016-IA.II (I)  
Proposal No.: IA/JH/IND/84413/2004

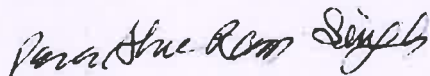
Dear Sir,

With respect to the subject and reference mentioned above, we are submitting the reply of EDS generated on 14/11/2018 for the project entitled "Expansion of M/s Maa Chhinmastika Cement and Ispat Pvt. Ltd. for production of 67,500 TPA Rolled Product by installation of 2x12 Ton Induction Furnace with Billet Caster, Iron Ore Crushing & Beneficiation Plant, Slag crusher along with 15 MW Power Plant at Village Hehal, P.O. Barkakhana, District- Ramgarh, Jharkhand". The following is the point wise reply of EDS.

No.	Essential Details Sought by MS	Reply
1	Submission of Details of ToR in Form-2	ToR application for the project was applied on 09.06.2016 and subsequently the EAC in its 8 <sup>th</sup> meeting held on 27 to 28 <sup>th</sup> June 2016 recommended the ToR. The ToR was issued by MoEF&CC on 11.08.2016 vide file No. J-11011/215/2016-IA.II(I). ToR letter is attached as Annexure-1
2	Certificate of Compliance of earlier EC from the regional office of MoEFCC	The existing Sponge Iron Plant was granted Consent to Establish in the year 2005 (Prior to EIA Notification, 2006) and as per the EIA Notification, 1994, Environmental Clearance was not required for the project as the Project cost was less than Rs. 100 Cr. The CTE for the Project is attached as Annexure-2.

Details are attached as Annexures for your kind perusal. We request you to kindly consider our proposal in the next EAC meeting.

Thank You  
For M/s Maa Chhinmastika Cement and Ispat Pvt. Ltd.



**PARASHURAM SINGH**

**(Director)**

**DIN: 02823690**

**F. No. J-11011/215/2016-IA.II(I)**  
 Government of India  
 Ministry of Environment, Forest and Climate Change  
 (L.A. Division)

Indira Paryavaran Bhawan  
 Jor Bagh Road, Aliganj,  
 New Delhi - 110003  
 E-mail: satish.garkoti@nic.in  
 Tel: 011-24695316

Dated: 11<sup>th</sup> August, 2016

To

**M/s Maa Chhinmastika Cement & Ispat Pvt. Ltd.**  
 Village Hehal, P.O - Barkakhana,  
 Dist.- Ramgrah, Jharkhand - 829103.

**Subject: Expansion of Sponge Iron plant to Mini Steel Plant by M/s Maa Chhinmastika Cement & Ispat Pvt. Ltd. located at Village Hehal, P.O - Barkakhana, Dist.- Ramgrah, Jharkhand - prescribing of ToRs regarding.**

Sir,

This has reference to your online application No. 1A/JH/IND/55738/2016 dated 9<sup>th</sup> June, 2016 along with the application in prescribed format (Form-I), copy of pre-feasibility report and proposed TORs for undertaking detailed EIA study as per the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at S.No. 3(a), under category 'A' of the Schedule of EIA Notification, 2006 and appraised at the Central level.

2.0 M/s. Maa Chhinmastika Cement & Ispat Pvt. Limited proposes to install a new manufacturing unit for M. S. Billets, Rolled Products and Captive Power within premises of Existing Sponge Iron Unit (300 TPD). It is proposed to set up the plant for Addition - (i) Steel Melting Shop (Induction Furnaces and Billet Caster) - 2 x12 T (240 TPD); (ii) Rolling Mill (IMT Rebar Mill) - 14 Stand Mill (225 TPD); (iii) Power Plant (WHRB - 6 MW + AFBC - 9) - 15 MW; (iv) Iron Ore Crushing & Beneficiation Plant - 80 TPH Single Stream (670 TPD) and (v) Crushing unit (SMS Slag) - 5 TPH (40 TPD) based on latest technology. The proposed unit will be located at Village: Hehal, Taluka: Ramgarh, District: Ramgarh, State: Jharkhand. The land area acquired for the integrated steel plant is 30.692 acres out of which 10.779 acres land will be used for green belt development. Total project cost is approx Rs. 191.20 Crores. Proposed employment generation from proposed project will be 491 direct employments and 1227 indirect employment. The proposed capacity for different products for site area as below:

S. No	Name of unit	No. of units	Capacity of Each Unit	Production Capacity
<b>Existing</b>				
1	Sponge Iron (DRI)	3	100	300 TPD~ 90000 TPA
<b>Proposed - Expansion (Addition)</b>				
2	CPP (WHRB + AFBC)	WHRB - 3 x 2MW AFBC - 1 x	6 MW 9 MW	Power ~ 15 MW

		9MW		
3	SMS - IF & Billet Caster	2	12	240 TPD ~ 72000 TPA
4	Rolling Mill -	1	14 Strand Mill	225 TPD ~ 67500 TPA
5	Iron Ore Crushing & Beneficiation Plant	1	80 - 100 TPH Single Stream	670 TPD ~ 201000 TPA Throughput
6	Slag Crushing Plant for SMS Slag	1	5 TPH	40 TPD ~ 12000 TPA

3.0 The electricity load is procured from Existing 950 KVA, source is JSEB and after Expansion - 15 MW will be procured from Captive Power Plant. Company has also installed 1 x 1010 KVA 1 x 500 KVA & 1 x 320 KVA DG Sets.

4.0 Proposed raw material and fuel requirement for project are Iron ore 670 TPD, Coal 630 TPD, Dolomite 7.67 TPD, Scrap 66 TPD. Requirement would be fulfilled by existing operating mines, e-auction, linkage as well as in-house. Fuel consumption will be mainly Coal.

5.0 Water Consumption for the proposed project is 247 m<sup>3</sup>/day for the existing plant and 2088 m<sup>3</sup> for the proposed plant. The total water requirement will be 2335 m<sup>3</sup>/day which will be sourced from River Damodar and waste water generation will be recycled/reused within premises for dust suppression, horticulture etc. Domestic waste water will be routed to septic tank - soak pit combination.

6.0 The above proposal was considered by the Expert Appraisal Committee (Industry) during its 8<sup>th</sup> meeting held on 27<sup>th</sup> to 28<sup>th</sup> June, 2016 for prescribing TORs for undertaking detailed EIA/EMP study.

7.0 Based on the information furnished and presentation made by the project proponent, the Committee recommended prescribing following specific TORs for undertaking detailed EIA and EMP study in addition to the generic TOR enclosed at Annexure 1 read with additional TORs at Annexure-2.

- i. Public Hearing to be conducted by the Jharkhand Pollution Control Board.
- ii. The issues raised during public hearing and commitment of the project proponent on the same along with time bound action plan to implement the commitment and financial allocation thereto should be clearly provided.
- iii. The project proponent should carry out social impact assessment of the project as per the Office Memorandum No. J-11013/25/2014-IA.I dated 11.08.2014 issued by the Ministry regarding guidelines on Environment Sustainability and CSR related issues. The social impact assessment study so carried out should form part of EIA and EMP report.

8.0 The undersigned is directed to inform that the Ministry of Environment, Forest and Climate Change (MoEFCC) after accepting the recommendation of the EAC (Industry), hereby decided to accord ToRs for the above project.

9.0 It is requested that the draft EIA Report may be prepared in accordance with the above mentioned specific TORs and enclosed generic TORs and additional TORs and


thereafter further necessary action including conduct of public consultation may be taken (if required) for obtaining Environment Clearance in accordance with the procedure prescribed under the EIA Notification, 2006 as amended.

10.0 The TORs are valid for a period of three years from today i.e 11.08.2016 and will expire on 10.08.2019. However, this period could be further extended by a maximum period of one year provided an application is made by the project proponent at least three months before the expiry of the validity period, together with updated Form-I, based on proper justification.

  
(Dr. Satish C. Garkoti)  
Scientist 'F'

**Copy to:-**

1. The Secretary, Department of Environment, Government of Jharkhand.
2. The Additional Principal Chief Conservator of Forests (C) Ministry of Environment, Forest and Climate Change, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi - 834002.

  
(Dr. Satish C. Garkoti)  
Scientist 'F'

ANNEXURE -I**GENERIC TERMS OF REFERENCE (TOR) IN RESPECT OF INDUSTRY SECTOR**

1. Executive Summary
2. Introduction
  - i. Details of the EIA Consultant including NABET accreditation.
  - ii. Information about the project proponent.
  - iii. Importance and benefits of the project.
3. Project Description
  - i. Cost of project and time of completion.
  - ii. Products with capacities for the proposed project.
  - iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
  - iv. List of raw materials required and their source along with mode of transportation.
  - v. Other chemicals and materials required with quantities and storage capacities.
  - vi. Details of Emission, effluents, hazardous waste generation and their management.
  - vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
  - viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided
  - ix. Hazard identification and details of proposed safety systems.
  - x. Expansion/modernization proposals:
    - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SELAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30<sup>th</sup> May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
    - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
4. Site Details
  - i. Location of the project site covering village, Taluka/Tehsil, District and State. Justification for selecting the site, whether other sites were considered.
  - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
  - iii. Co-ordinates (lat-long) of all four corners of the site.

- iv. Google map-Earth downloaded of the project site.
- v. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vi. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- vii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- viii. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- ix. Geological features and Geo-hydrological status of the study area shall be included.
- x. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xi. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xii. R&R details in respect of land in line with state Government policy

5. **Forest and wildlife related issues (if applicable):**

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (*in case of projects involving forest land more than 40 ha*).
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife

6. **Environmental Status**

- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests.

- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with – min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (60m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

## 7. Impact Assessment and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling – in case, if the effluent is proposed to be discharged in to the local drain, then Water Quality Modelling study should be conducted for the drain water taking into consideration the upstream and downstream quality of water of the drain.
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.

- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

#### 8. Occupational health

- i. Details of existing Occupational & Safety Hazards. What are the exposure levels of above mentioned hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of abovementioned parameters as per age, sex, duration of exposure and department wise.
- iii. Annual report of health status of workers with special reference to Occupational Health and Safety.
- iv. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

#### 9. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or



shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
11. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
12. \*A tabular chart with index for point wise compliance of above TORs.
13. The TORs prescribed shall be valid for a period of three years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

The following general points shall be noted:

- i. All documents shall be properly indexed, page numbered.
- ii. Period/date of data collection shall be clearly indicated.
- iii. Authenticated English translation of all material in Regional languages shall be provided.
- iv. The letter/application for environmental clearance shall quote the MOEF file No. and also attach a copy of the letter.
- v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
- vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
- vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4<sup>th</sup> August, 2009, which are available on the website of this Ministry shall also be followed.
- viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.
- ix. TORs' prescribed by the Expert Appraisal Committee (Industry) shall be considered for preparation of EIA-EMP report for the project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarised in a

tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.

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ANNEXURE-2ADDITIONAL TORS FOR INTEGRATED STEEL PLANT

1. Iron ore/coal linkage documents along with the status of environmental clearance of iron ore and coal mines
2. Quantum of production of coal and iron ore from coal & iron ore mines and the projects they cater to. Mode of transportation to the plant and its impact
3. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
4. Recent land-use map based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
5. PM( $PM_{10}$  and  $P_{2.5}$ ) present in the ambient air must be analysed for source analysis – natural dust/RSPM generated from plant operations (trace elements) of  $PM_{10}$  to be carried over.
6. All stock piles will have to be on top of a stable liner to avoid leaching of materials to ground water.
7. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
8. Plan for slag utilization
9. Plan for utilization of energy in off gases (coke oven, blast furnace)
10. System of coke quenching adopted with justification.
11. Trace metals Mercury, arsenic and fluoride emissions in the raw material.
12. Trace metals in waste material especially slag.
13. Trace metals in water

**Executive Summary**

- Executive summary of the report in about 8-10 pages incorporating the following:
- i. Project name and location (Village, Dist, State, Industrial Estate (if applicable))
  - ii. Products and capacities. If expansion proposal then existing products with capacities and reference to earlier EC.
  - iii. Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
  - iv. Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
  - v. Measures for mitigating the impact on the environment and mode of discharge or disposal.
  - vi. Capital cost of the project, estimated time of completion
  - vii. Site selected for the project – Nature of land – Agricultural (single/double crop), barren, Govt/private land, status of its acquisition, nearby (in 2-3 km.) water body, population, with in 10km other industries, forest, eco-sensitive zones, accessibility. (note – in case of industrial estate this information may not be necessary)
  - viii. Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population
  - ix. Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
  - x. Likely impact of the project on air, water, land, flora-fauna and nearby population
  - xi. Emergency preparedness plan in case of natural or in plant emergencies
  - xii. Issues raised during public hearing (if applicable) and response given
  - xiii. CSR plan with proposed expenditure.
  - xiv. Occupational Health Measures
  - xv. Post project monitoring plan

**JHARKHAND STATE POLLUTION CONTROL BOARD**

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI -834004

Phone: 2403652, 2403651. Fax: 0651-2403650

Ref.No. N-502

Date: 16.9.05

No Objection Certificate under section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

1. Reference application no. 3065 dated 10.08.2004 of M/s. **Maan Chhinmastika Cement & Ispat Pvt. Ltd, Sri Pradeep Bhardwaj, Ranchi Road, Po.-Marar, Distt.-Hazaribagh**, for setting up a plant for manufacturing of **Sponge Iron** at Plot No. **563, 386, 383, 384, 385, 387, 388, 362**, Khata No.- **86, 69, 33, 24, 86, 30, 83, 86**, Mauza: **Hehal**, P.O. **Barkakana**, P.S.: **Patratu**, Dist: **Hazaribagh**. The production capacity of the industry will be as follows: -

(i)	<b>Sponge Iron</b>	-	<b>300 MT/day</b>
(ii)	<b>Proposed Investment</b>	-	<b>Rs. 30.12 crores only</b>

**2. After considering :**

- i) The facts stated in the N.O.C application & Project Report;
- ii) Provisions of Water (Prev.& Control of Pollution) Act, 1974 & Air (Prev.& Control of Pollution) Act, 1981.
- iii) Check list based on site inspection on date 15.12.2004 & 01.09.2005.
- iv) EMP submitted
- v) Affidavit regarding installation of all Pollution Control equipments submitted.

**3. N.O.C. in favour of unit, based on site inspection and facts stated in the project report, N.O.C. application is hereby accorded subject to the following conditions: -**

- i) The unit shall obtain consent to operate from State Pollution Control Board under section 25 and 26 of the Water (Prev.& Control of Pollution) Act, 1974 and section 21 of Air (Prev.& Control of Pollution) Act, 1981 prior to commissioning of the plant.
- ii) The unit shall install Effluent Treatment Plant adopting appropriate technology to treat the effluent to the standard stipulated.
- iii) All tanks used for collection and treatment of effluent shall be made impervious by providing adequate cement concrete/stone masonry/stone slab lining with leak-proof materials.
- iv) The unit shall install water meter to measure the water consumed for different purposes as per the Water (Prevention & Control of Pollution) Cess Act, 1977.
- v) The unit shall ensure continuous and uninterrupted power supply so that the pollution control system functions uninterruptedly. Separate energy meters shall be provided for the pollution control systems.
- vi) The unit shall upgrade pollution control systems as and when new technologies are available.
- vii) The unit shall install suitable Air Pollution Control devices such as ESP/bag filter etc shall be provided to control emission from chimney attached with rotary kiln within the prescribed limit of 100 mg/Nm<sup>3</sup>.
- viii) The height of Stacks(s) shall be as per norms of Central Pollution Control Board. Necessary port hole(s) ladder and platform shall be provided with the stack as per norms of Central Pollution Control Board for stack emission monitoring.
- ix) The unit shall provide Ambient Air Quality Report, Stack Monitoring Report & Noise level monitoring report before and after commissioning of the plant. The unit shall ensure that the Noise level and AAQ are within the prescribed limit.
- x) The D.G.sets shall be housed properly to minimise noise pollution in and around the factory campus. The height of exhaust pipe shall be raised as per the norms of C.P.C.B.

Contd.....