

MINUTES OF THE 16<sup>th</sup> MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), JHARKHAND HELD FROM 14<sup>th</sup> to 16<sup>th</sup> APRIL 2014

The 16<sup>th</sup> meeting of State Level Expert Appraisal Committee (SEAC), Jharkhand was held from 14<sup>th</sup> to 16<sup>th</sup> April 2014 under the Chairmanship of Sh. A.K. Saxena in the Conference Room at 170 C. Ashok Nagar, Ranchi. The following members were present:

1. Sh. S.B.S Chauhan - Member
2. Er. S.K. Singh - Member
3. Dr. R.P. Singh Sangu - Member
4. Prof (Dr) Shatrunjay Kumar Singh - Member
5. Dr M. Mahto - Secretary

Prof. (Dr.) M.C. Mahata, Member could not attend the meeting due to personal reason.

Various projects which were received by SEIAA after the previous SEAC meeting held from 12<sup>th</sup> to 15<sup>th</sup> March 2014 and forwarded to SEAC for their technical appraisal came up for discussions. Also those Projects which were appraised in SEAC's earlier meetings in which PP's were asked to provide additional information / clarifications were also considered for examination / scrutiny where the Project proponents had submitted replies. Accordingly, the Project proponents were asked to make technical presentation for the appraisal of their project before the committee.

The following observations were made during the Presentation (Project Wise) in brief.

A. Matters referred

1. **Stone Quarry of M/s. Madhucon Project Ltd. at Banamghatu, Dist – East Singhbhum, Jharkhand (Area 8.4 acres i.e. 3.4Ha).**

Based on the letter no 547, dated 10/03/14 of DMO SEAC had recommended quashing of EC recommended earlier. SEIAA after review had agreed with the views of SEAC. PP has now applied for reconsideration in the matter. The matter was discussed and SEAC was of the opinion that the Dept. of Mines, Govt. of Jharkhand have to indicate clearly that the area under reference (Quartzite Deposit) is to be considered as a Major Mineral or Minor Mineral (as there are two applications over the same area, one for prospecting licence and another for mining lease). In such situation, the Dept. of Mines, Govt. of Jharkhand may have to decide the grant of Mineral Concession, or other wise before the proposal is reviewed again for Environmental Clearance as submitted by the proponent. SEIAA may write to Dept. of Mines, Govt. of Jharkhand to clarify the matter. On receipt of same the matter may be reviewed.

B. Projects recommended to SEIAA for consideration of grant of EC.

1. **Brick Clay Mining of M/s Neha Bricks, Vill-Chikor, Tehsil-Khunti, Dist.- Khunti, Jharkhand (1.01 Ha).**

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of Brick Clay Mining of M/s Neha Bricks, Vill-

*[Handwritten signatures and initials]*

Chikor, Tehsil-Khunti, Dist.-Khunti, Jharkhand (1.01 Ha) be recommended for consideration of SEIAA for grant of EC.

**2. Brick Clay Mining of M/s Laxmi Bricks, Vill- Pandu, Tehsil - Khunti, Dist.- Khunti, Jharkhand (0.82 Ha).**

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Laxmi Bricks, Vill- Pandu, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.82 Ha) be recommended for consideration of SEIAA for grant of EC.

**3. Brick Clay Mining of M/s Sudhir Bricks & Construction, Vill-Datia, P.O + P.S-Khunti, Dist.-Khunti, Jharkhand (0.99 Ha).**

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Sudhir Bricks & Construction, Vill-Datia, P.O + P.S-Khunti, Dist.-Khunti, Jharkhand (0.99 Ha) be recommended for consideration of SEIAA for grant of EC.

**4. Brick Clay Mining of M/s Tajna Bricks, Vill- Jamuadag, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.91 Ha).**

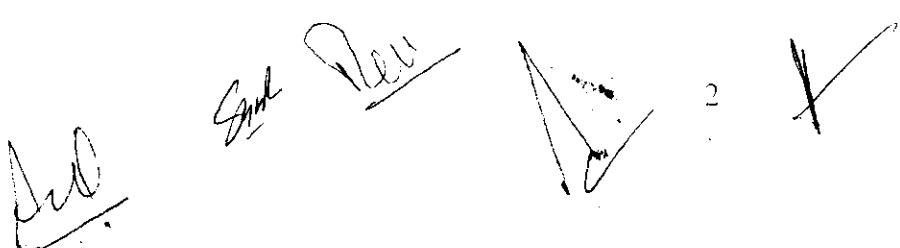
PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Tajna Bricks, Vill- Jamuadag, Tehsil - Khunti, Dist.-Khunti, Jharkhand (0.91 Ha) be recommended for consideration of SEIAA for grant of EC.

**5. Brick Clay Mining of M/s Aman Bricks, Vill- Toto, P.O - Toto, P.S-Gumla, Dist.-Gumla, Jharkhand (0.874 Ha).**

PP has submitted certificates information as required under SEIAA guidelines. PP was asked to submit additional information which he has submitted. The informations were examined and found to be satisfactory.

Based on the presentation made and information provided the Committee recommends that the proposal for Brick Clay Mining of M/s Aman Bricks, Vill- Toto, P.O - Toto, P.S-Gumla, Dist.-Gumla, Jharkhand (0.874 Ha) be recommended for consideration of SEIAA for grant of EC.

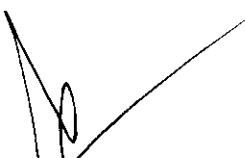

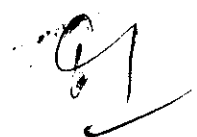


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## 6. Proposals related to Balu Ghats – River bed Sand Mining

1. *An* **medih Balu Ghat on Kanchi River (Sand Mine) of M/s Mahavir Infraengineering P.**
2. **Gadadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P.**
3. **Erika Balu Ghat on Kanchi River (Sand Mine) of M/s Mahavir Infraengineering P.**
4. **Salsud Balu Ghat on Radu River (Sand Mine) of M/s Mahavir Infraengineering P.**
5. **Dibadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
6. *Eram* **hatu Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
7. **Hethburhadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
8. *Kanchi* **Balu Ghat on Kanchi River (Sand Mine) of M/s Mahavir Infraengineering**
9. **Biradih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
10. *Gomya* **adih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
11. **Somadih Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
12. **Churgi Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd**
13. **Navadih Balu Ghat on Chatti River (Sand Mine) of M/s Mahavir Infraengineering P.**

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SELAA.

Regarding Mine Plan PP had got the same prepared by a RQP recognised by IBM but not registered with Government of Jharkhand. In view of Procedure being considered by Deptt. of Mines, Govt. of Jharkhand regarding approval of Mine Plans, the PP has got the Mine

*And*     

Plans vetted by a RQP registered with Deptt. of Mines, Govt. of Jharkhand who will be defending the Mine Plans with Deptt. of Mines, Govt. of Jharkhand.

Based on the presentation made and information provided the Committee recommends that the above mentioned proposals for River Bed Sand Mining be recommended for consideration of SEIAA for grant of EC.

### **C. Projects recommended to SEIAA for consideration of issue of TOR.**

1. *Sopandih* Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd
2. Jilutikar Balu Ghat (Sand Mine) of M/s Mahavir Infraengineering P. Ltd.
3. Huwaghatu Balu Ghat (Sand Mine).of M/s Mahavir Infraengineering P.Ltd
4. *Danubatu* Balughat(Sand Mine).of M/s Mahavir Infraengineering P.Ltd
5. *Karambu* Balughat(Sand Mine).of M/s Mahavir Infraengineering P.Ltd
6. *Barendih* Balugha(Sand Mine).of M/s Mahavir Infraengineering P.Ltd

Cluster

Cluster

PP has submitted all information as desired by committee. PP has submitted an undertaking that the desired informations from DFO and Water Resource Department, Govt. of Jharkhand could not be obtained. In lieu he has submitted data generated / information collected by their consultant. PP has also submitted an affidavit wherein he has solemnly affirmed and declared that the data submitted is correct to the best of his knowledge and brief. Considering the practise adopted at MOEF the committee decided to recommend the case to SEIAA.

Based on the information contained in the documents submitted and the presentation made before the State Level Expert Appraisal Committee (SEAC) during its Meetings held during 14<sup>th</sup> to 16<sup>th</sup> April 2014 the Committee recommends issuing of TORs for consideration of SEIAA for undertaking detailed EIA / EMP study.

### **D. Projects for which SEAC has sought clarifications from PP.**

1. Gondkida China Clay Mining Project, M/s D. M Minerals Pvt Ltd. Vill.- Gondkida, Taluka- Chaibasa Sadar, P.O- Andhari, Thana- Kolhan, P.S- Kumardungi, Dist.-West Singhbhum, Jharkhand. (38.40 Ha).

Details of project will be covered in detailed MOM

PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
2. Details of CSR activities and Plantation carried out alongwith Photographs.
3. Details of Flora Fauna in and around the project site alongwith List of Species.
4. Water Analysis Report of water in Mine Pit.



5. Total Area for plantation should be 5 ha against 1.88 ha as proposed.
6. Undertaking from the Board / Management that there will not be any violation in future.

**Once the PP provides the clarification SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.**

**2. Gondkida China Clay Mining Project, M/s D. M Minerals Pvt Ltd. Vill.- Gondkida, Taluka- Chaibasa Sadar, P.O- Andhari, Thana- Kolhan, P.S- Kumardungi, Dist.-West Singhbhum, Jharkhand. (26.591Ha).**

Details of project will be covered in detailed MOM

PP was asked to submit following additional information.

1. Compliance Report on conditions stipulated by JSPCB at the time of granting of consent.
2. Details of CSR activities and Plantation carried out alongwith Photographs.
3. Details of Flora Fauna in and around the project site alongwith List of Species.
4. Water Analysis Report of water in Mine Pit.
5. Total Area for plantation should be 5 ha against 2.30 ha as proposed.
6. Undertaking from the Board / Management that there will not be any violation in future.

**Once the PP provides the clarification SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.**

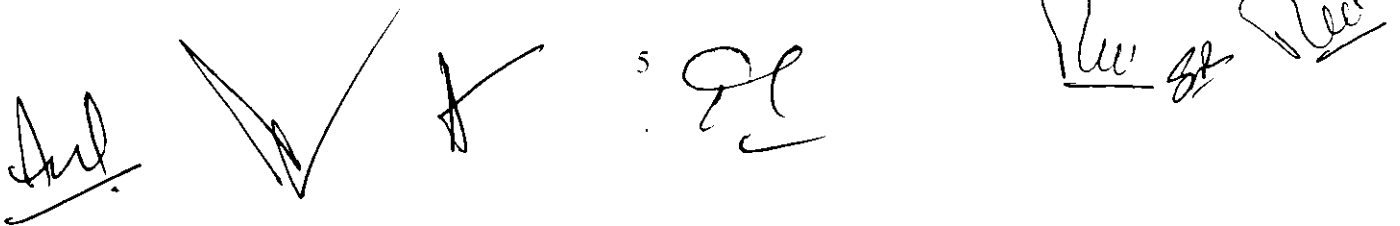
**3. M/s Balmukund Sponge & Iron Ltd., Vill.-Manjhiladih, Tehsil- Giridih, Dist.-Giridih, Jharkhand (10.669 Ha).**

On examining the Form I and Report it is observed that there is discrepancy in throughput. PP was advised to submit corrected proposal.

**Once the PP provides the clarification SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.**

**4. Integrated Municipal Solid Waste Management Project of Jamshedpur Notified Area Committee at Mouja Khairbani, Jamshedpur, District- East Singhbhum, Jharkhand.**

The project is of great importance to the city of Jamshedpur. The presentation about the project was made in Sept. 2013 and after field visit in Oct. 2013. SEAC in its meeting held on 23<sup>rd</sup> November, 2013, had sought certain clarifications from the project proponent to which the project proponent had replied vide its letter no 3020, dated 2.12.13 (in which it had enclosed various applications made by it to relevant authorities). The Project Proponent has now, vide its letter no 996, dated 12.04.2014, submitted compliance to matters relating to the NOC from DGCA and informations sought from the CO regarding important matters pertaining to site selection criteria as per the MSW Handling Rules, 2000. However informations sought from the ADC, Jamshedpur vide its letter no 3019, dated 2.12.2013 regarding creation of No Development Buffer Zone around the project facility and the DFO, Jamshedpur vide its letter no 3015, dated 2.12.13 regarding distance of Forest, are yet to be furnished. These are required in view of MSW Handling Rules, 2000.

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SEIAA had earlier permitted carrying out monitoring and for construction of boundary wall by PP at its own risk and cost. The matter needs to be expedited as such it is requested that SEIAA, considering the importance of this project, should take up the pending matters with the concerned authorities, with a copy to DC, East Singhbhum, and the Urban Development Department, Government of Jharkhand so that the matter could be expedited in public interest. TOR's will be issued after receipt of replies from concerned authorities.

**Once the PP provides the clarification SEAC will, after examining the same, will refer the matter to SEIAA for consideration for further action.**

**E. PP was asked to furnish details in earlier meeting. PP was present but did not submit all desired information. The list of PP is as follows:-**

**1. Proposals related to Brick Earth**

1. Brick Clay Mining of M/s S.K.B Bricks
2. Brick Clay Mining of M s S.B.W Bricks
3. Brick Clay Mining of M s N.K.B Red Bricks
4. Brick Clay Mining of Mayur Bricks

**2. Proposal related to Bauxite Mine & Stone Mine**

1. Narma Bauxite Mine.of Sri Ashok Kumar Poddar
2. Stone Quarry at Goalmara of M's Vikash Kumar Singh Stone Chips

**3. Jyoti Pahari Open Cast Kynaite Project, M/s JSMDC Ltd. Vill.- Jyoti Pahari, Tehsil- Ghatshila, District- Singhbhum East, Jharkhand. (20.331 Ha).**

The PP inform that there are in the process of compiling information which was desired by the committee. The date of visit to mine site has been fixed at 8<sup>th</sup> May 2014. As agreed in previous meeting a site visit is to be undertaken by Sri SBS Chouhan, Dr. RPS Sangu and Dr. M.C Mahata , Member, SEAC to site visit land recommend specific TOR's as required and PP provides clarification information once site visit is completed.

**E. The following is the list of PP's request for next meeting.**

1. Brick Clay Mining of M/s Puja Bricks
2. Brick Clay Mining of M/s Harsh Bricksz
3. Brick Clay Mining of M/s M.K Bricks
4. Brick Clay Mining of M s K.R.T Bricks
5. Brick Clay Mining of M/s Puja Bricks
6. Stone Quarry at Chhapparwar of M's BSC-C&C Construction.

**F. Points related to functioning of SEIAA and SEAC**

SEAC Members have gone through the minutes of the 17<sup>th</sup> meeting of SEIAA – Jharkhand held on 23.03.2014 which are available on web site of SEIAA and discussed the details as furnished in the minutes – especially with ref. to Sl. No – 25, 26 and 27. All members of SEAC were surprised to note

The image shows five handwritten signatures in black ink, arranged horizontally. The signatures are stylized and appear to be of different individuals. The first signature on the left is the most legible, followed by four more that are increasingly abstract and difficult to decipher.

its contents. In addition to these points – there are various issues which have been already discussed in joint meeting of SEAC and SEIAA and unfortunately no outcome has been there till date.

This attitude of SEIAA is affecting the functioning of SEAC as well as SEIAA also. Functioning of SEIAA and SEAC is well explained in the EIA notification 2006 of Ministry of Environment and Forests Govt. of India dated 14<sup>th</sup> Sept 2006. This EIA notification also gets amended from time to time (these are available on the web site of MOEF). In this connection we wish to bring the following points for kind attention and proper need full action by SEIAA.

It may be submitted that whereas SEAC is functioning under severe constraints in terms of non-availability of technical support (in spite of repeated requests), the role of SEIAA is not proactive in considering grant of EC in line with the provisions of Act and Rules. The minutes of meetings of SEIAA state that “SEIAA generally agree”, or the “TORs approved with certain modifications”, etc. Such statements are not clear. It may be pertinent to mention that SEAC while reviewing the Projects takes into consideration the magnitude of the Projects.

In the minutes of 17<sup>th</sup> meeting of SEIAA, vide items 25, 26 & 27 states that “EIA/EMP reports generally did not meet the compliance of the TORs. In this connection letter from concerned Proponents and undertaking from Consultant have been received and the same are attached as Annexure I(A, B & C) for record of SEIAA.

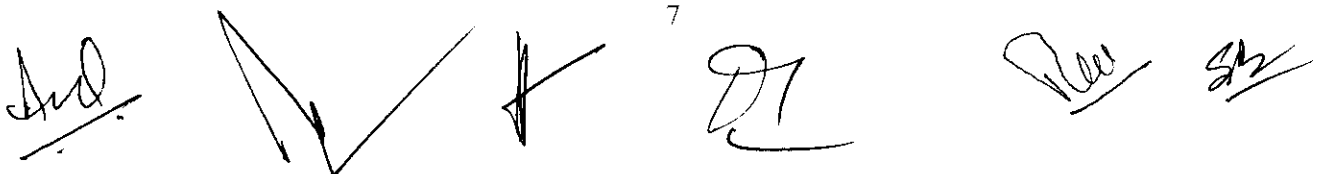
The rules for grant or rejection of prior environmental clearance (EC) vide item 8 of EIA Notification 2006 (under heading “Grant or Rejection of Prior Environmental Clearance (EC)” – may be seen at SEIAA level). The Notification clearly states that “*In cases where it disagrees with the recommendations of Expert appraisal committee (SEAC) concerned the regulatory authority shall request reconsideration by the SEAC concerned within 45 days of the receipt of recommendations of SEAC while stating the reasons for the disagreement*”. In this context, the procedure is not being followed by SEIAA, whereas the time limit prescribed has serious implication in terms of delay because if the decision is not communicated to the applicant within the stipulated period, the applicant may proceed as if the EC sought has been granted in terms of the final recommendations of SEAC concerned. Further Appraisal of project is responsibility of SEAC. There is no provision in the EIA Notification – for the appraisal of project through joint meeting of SEAC and SEIAA but SEIAA has done it. This may be clarified at SEIAA level

In the above cases under reference the proposals were recommended for EC by SEAC in Jan 2014 after thorough examination of all issues involved but neither the EC have been granted by SEIAA, nor the proposal have been sent back for reconsideration by SEAC. This may cause legal hurdle too in the long run. This may be viewed in the interest of proper functioning of SEAC and SEIAA in grant of Environmental clearances (EC) to various projects.

Site visit is a part of appraisal of project. SEIAA discourages site visit and is also not giving clear guidance for site visit and as a result – SEAC Members are not keen for undertaking site visit. This attitude of SEIAA – will affect the appraisal of project for EC. In addition to above - the following facts also affects the functioning of SEAC -

There is no technical staff in SEIAA who is conversant with Environmental issues and its management. The copy of work distribution among causal staffs – appointed on the recommendation of SEIAA - is

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still not available with SEAC. This affects the working efficiency of SEAC. General official procedure is also not followed properly in SEIAA office.

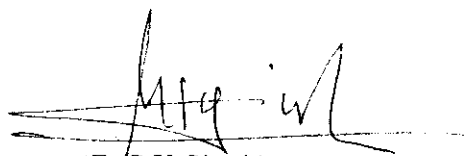
SEAC Members are not getting project reports and related documents in advance or sometimes receiving the same during day of the Meeting. This practice is not desirable as it creates problems -- in scrutinizing the project during presentation.


The next meeting shall be held from 7<sup>th</sup> to 10<sup>th</sup> May 2014.

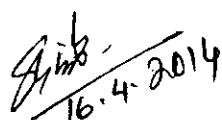
The detailed MOM covering details of projects along with EC conditions and TOR conditions will be forwarded later.

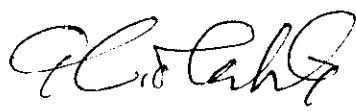
The meeting concluded with thanks to all present.

  
(S.B.S Chauhan)  
Member

  
(Er S K Singh)  
Member

  
(Dr. R.P. Singh Sangu)  
Member

  
( Prof (Dr) Shatrunjay Singh)  
Member

  
(M. Mahto)  
Secretary


  
(A K Saxena)  
Chairman

Memo No. ...166.....

Dated : 28.04.2014.

Copy to :

1. Secretary, Ministry of Environment & Forests, Government of India. Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi. 110003 for kind information.
2. Principal Secretary, Department of Forests & Environment, Government of Jharkhand, Nepal House Secretariat, Doranda, Ranchi for kind information.
3. Chairman, Central Pollution Control Board, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032 for kind information.
4. Chief Conservator of Forests, Regional Office (Eastern Zone), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubhaneshwar, Odisha-751023 for kind information.
5. Member Secretary, Jharkhand State Pollution Control Board, Jharkhand, Ranchi.
6. Chairman, Member & Member Secretary, SEIAA, Jharkhand, Ranchi for kind information.
7. Guard File.
8. Website.
9. Record File.

  
Secretary

State Level Expert Appraisal Committee, Jharkhand



# OSD COKE PVT. LTD.

e-mail: info@osdcoke.com

<b>Kandra Works :</b> BIADA, Kandra Industrial Area, G.T. Road, Dhanbad, Jharkhand.	<b>Dhanbad Office :</b> Shastri Nagar, Dhanbad (Jharkhand) Ph.: 0326-2307553, 2308777 Fax No. 0326-2301016
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Date: - 11.04.2014

To  
 The *Member Secretary,*  
 State Level Environmental Impact Assessment Authority,  
 170 C, Road No.- 4,  
 Ashok Nagar,  
 Ranchi- 834 002.

Ref: Minutes of SEIAA, dated: 29-03-2014 as displayed on website.

Sub: OSD Coke Pvt. Ltd., Unit- 2, at Vill- Baida, Kandra Industrial Area, Bhitia, Dist-Dhanbad, Jharkhand.  
Consideration of proposal for Environmental Clearance.

Sir,

We humbly submit as follows:

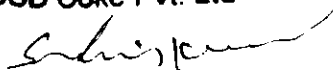
Our proposal was considered by the Expert Appraisal Committee on 27-12-2013 and subsequently recommended for Environmental Clearance as per minutes displayed on website.

We were hopeful of getting final Environmental Clearance within February, 2014 but to our utter dismay, the minutes of SEIAA meeting dated: 29-03-2014, displayed on website states that the project is still not cleared as most of the TORs have not been complied with in the EIA/ EMP report.

Under the above we are to state that on perusal of the EIA/ EMP report and presentation made before SEAC, the TORs have been complied with.

We enclose herewith a summary of the compliance status of TORs with a request to reconsider your decision.

Thanking you,  
 Sincerely yours,  
 For OSD Coke Pvt. Ltd



**Director**

CC: Chairman, SEAC, Jharkhand.  
 for the needful.

**OSD COKE PRIVATE LIMITED (UNIT-2)**  
**KANDRA INDUSTRIAL AREA, P.O- BHITIA, DIST-DHANBAD, JHARKHAND**

**Clarifications of observations of**  
**STATE LEVEL ENVIRONMENT ASSESSMENT AUTHORITY**  
**17<sup>th</sup> Meeting held on 29.03.2014**

TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
7	Present land use should be prepared based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, ikonos, IRS P-O pan sharpened etc. for the 10km radius area from proposed site. The same should be used for land used/land-cover mapping of the area	Slide 12 - 15	Section-3.6.4 page 31 to 34 of Chapter-III of EIA Report.
8	Location of national parks / wildlife sanctuary / reserve forests within 10,km. radius should specifically be mentioned. A map showing land use/land cover, reserved forests, wildlife sanctuaries, national parks, tiger reserve etc in 10 km of the project site	Slide 16	Figure no.-1.2 & 1.3 at page no.5 & 6 of Chapter-I of EIA Report.
10	Details and classification of total land (identified and acquired) should be included	Slide 3, 19, 20	Total land has already been acquired. Document attached as annexure-2.1
12	List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be "Environmentally Compliant"	Slide 21,22	Section- 2.10 & Table No- 2.3 at page no.25 of Chapter-II
13	Quantification and Characterization of solid /hazardous waste & its action plan for management should be included	No hazardous waste	Section-5.4.4 at page no.17-18 of Chapter-V of EIA Report.
14	Mass Balance for the raw material and products should be included.	Slide 22	Section- 2.10 (Fig No.2.6) page 26 Ch 2
15	Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.	Slide 23	Complied in Section- 3.6 at page no. 19 to 23 of Chapter- III.
16	Ambient air quality at 8 locations within the study area of 10 km., aerial coverage from project site with one AAQMS in downwind direction should be carried out.	Slide 24,25	Complied in Section- 3.6 at page no.25-27of Chapter-III.

TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
17	The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. chemical characterization of RSPM and incorporating of RSPM data.	Slide 26	Complied in Section-3.5.3 at page no.26 & 27 of Chapter-III.
18	Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.		Complied in Table no.3-11 at page no.23 of Chapter-III.
19	Ambient air quality as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 should be included.	Slide 27	Complied in Section-3.6 at page no.26-28 of Chapter-III.
20	Air Quality Impact Predication Modeling based on ISCST-3 or the latest models.	Slide 28-31	Complied in Section-4.4 at page no. 5 - 13 of Chapter-IV.
21	Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.	Slide 32	Complied in Section-4.6.2 at page no.15 & 16 of Chapter-IV.
22	An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 <sup>th</sup> May, 2008.	Slide 33	Section-5.4.1.3 at page no.10 to 11 of Chapter-V.
23	Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included	Slide 34, 35, 36	Section – 3.5 page 11 to 13 of Ch 2 and RWH details page 13 to 15 of Chapter-V.
24	Source of surface/ground water level, site (GPS), cation, anion (Ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included	To be supplied by Notified area authority	Complied in Section – 3.5 at page no.13 of Chapter-III
25	Ground water analysis with bore well data, litho-logs, drawdown and recovery tests to quantify the area and volume of aquifer and its management	Slide 41,42	Section – 3.5 at page no.11 to 12 and page-35 of Chapter-III
26	Permission' for the drawl of water should be	Slide 37	BIADA water letter

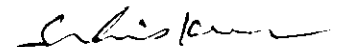
For OSD Coke Pvt. Ltd

*[Signature]*

Director

TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
	obtained. Water balance data must be provided		enclosed as annexure-2.2. Water balance Fig. No.2.7 page 28 Ch 2
29	Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained	Slide 39,40	Complied in table no.-3-21(A) to 3-21(H) at page no. -52 to 59 of Chapter-III.
30	Flood Hazard Zonation Mapping is required at 1:5000 to 1;10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency	Notified Industrial Area	Plant area does not comes under flood prone area.
31	Pretreatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included	Slide 41	Complied in Section-5.4.2 at page no. 11 &12 of Chapter-V.
32	Ground water monitoring minimum at B locations and near solid waste dump zone, Geological features and Geo-hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital	Slide 42,43	Complied in table no.-3-22(A) to 3-22(H) at page no. -61 to 67 of Chapter-III.
33	Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly slag from all the sources should also be included	Slide 44	Complied in Section-5.4.4 at page no.17 & 18 of Chapter-V.
34	Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included	No slag	No slag generation
36	Provision of Toxic Chemical Leachability Potential (TCLP) test for the slag and its end use should be included	No slag	No slag generation
38	Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species	Slide 46 to 50	Complied in Section-3.8 at page no. 38 to 41 of Chapter-III.
39	Disaster Management Plan including risk assessment and damage control needs to be addressed and included	Slide 51	Complied in Section-6.3 & 6.4 at page no. 13 - 15 of Chapter-VI.
40	Occupational health	Slide 52,53	Section- 6.5 page 14 to 20 of Chapter-VI.

For OSD Coke Pvt. Ltd



Director

TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
41	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon	Slide 56, 57	Complied in Section-7.2 at page no.2 -3 of Chapter-VII.
42	Total capital cost and recurring cost/annum for environmental pollution control measures should also be included	Slide 58	Complied in Section-5.10 at page no.26 of Chapter-V.
43	Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof	Fresh Project	No litigation pending against the project.

Methodology provided in Chapter 3

Modeling details provided in Chapter 4

Control of Environment details in Chapter 5

For OSD Coke Pvt. Ltd



Director



Ref.:SEAC/Jhr/2014-02

Date: April 11, 2014

## EIA CONSULTANT UNDERTAKING

[in compliance with MoEF Office Memorandum No. J-11013/41/2006-IA.II (I) dated 04.08.2009]

We, **M/s Visiontek Consultant Services Private Limited, Bhubneswar** are an ISO 9001:2008 & OHSAS 18001:2007 certified company and also NABET (QCI) accredited EIA consultant (category – A) as per scheme of Ministry of Environment & Forest, New Delhi for preparing EIA/EMP reports.

**M/s. OSD Coke Private Limited**, have entrusted the work of obtaining TOR and carrying out EIA study as per TOR to **M/s Visiontek Consultant Services Private Limited, Bhubneswar** for Environmental Clearance for their Unit – 2, proposal of 136 TPD Coke Oven, 300 TPD Coal Washery, 200 TPD Slurry Washery and 110 TPD Briquette Plant, at Kandra Industrial Area, P.O. - Bhitia, Dist. – Dhanbad, Jharkhand.

**M/s. OSD Coke Private Limited**, have submitted the application to Ministry of Environment & Forest, New Delhi for obtaining Environmental Clearance for the said project. The proposal was considered by the Expert Appraisal Committee (Industry) during its Meeting. Terms of References (TORs) for preparing EIA Report as per the generic structure of the EIA Notification 2006 were prescribed and finalised TORs communicated vide F. No. J -11011/851/2012-IA-II dated 22.05.2012 by MoEF, New Delhi.

EIA/EMP report was prepared based on the TORs and Final EIA/EMP report submitted for grant of Environmental Clearance. The Awarded TORs are complied with and incorporated in the EIA/EMP Report. The data submitted in the EIA Report are factually correct to best our knowledge.

This undertaking has been given as per MoEF Office Memorandum No. J-11013/41/2006-IA.II.(I) dated 04.08.2009

**For Visiontek Consultancy Services Private Limited**

  
Director

Date : 11.04.2014  
Place : Ranchi

# OSD COKE PVT. LTD.

e-mail: info@osdcoke.com

<b>Dhanbad Office :</b> Shastri Nagar, Dhanbad (Jharkhand) Ph.: 0326-2307553, 2308777 Fax No. 0326-2301016	<b>Plant:</b> Village-Amjhore, P.O. - Baliapur Dhanbad (Jharkhand)
------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------

Date: - 11.04.2014

To

The Member Secretary,

State Level Environmental Impact Assessment Authority,

170 C, Road No.- 4,

Ashok Nagar,

Ranchi- 834 002.

Ref: Minutes of SEIAA, dated: 29-03-2014 as displayed on website.

Sub: OSD Coke Pvt. Ltd., Unit- 1, at Vill- Amjhore, P.O.- Baliapur, Dist-  
Dhanbad, Jharkhand.  
Consideration of proposal for Environmental Clearance.

Sir,

We humbly submit as follows:

Our proposal was considered by the Expert Appraisal Committee on 27-12-2013 and subsequently recommended for Environmental Clearance as per minutes displayed on website.

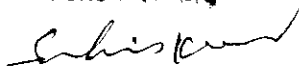
We were hopeful of getting final Environmental Clearance within February, 2014 but to our utter dismay, the minutes of SEIAA meeting dated: 29-03-2014, displayed on website states that the project is still not cleared as most of the TORs have not been complied with in the EIA/ EMP report.

Under the above we are to state that on perusal of the EIA/ EMP report and presentation made before SEAC, the TORs have been complied with.

We enclose herewith a summary of the compliance status of TORs with a request to reconsider your decision.

Thanking you,  
Sincerely yours.

For OSD Coke Pvt. Ltd.



Director

CC: Chairman, SEAC, Jharkhand.  
for the needful.

**OSD COKE PRIVATE LIMITED (UNIT-1)**

VILLAGE— AMJHORE, P.O— BALIAPUR, DIST—DHANBAD, JHARKHAND

**Clarifications of observations of  
STATE LEVEL ENVIRONMENT ASSESSMENT AUTHORITY****17<sup>th</sup> Meeting held on 29.03.2014**

TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
6	Proposal should be submitted to the Ministry for environment clearance only after acquiring total land. Necessary documents indicating acquisition of land should be included.	Slide 6 & 18	Total land is already in possession, expansion in existing premises. EIA Ch2-P17
7	A site location map on Indian map of 1:10,00,000 scale followed by 1:50,000/1:25,000 scale on an A3/A2 sheet with at least next 10 Kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/latitude/heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.	Slide 7	Ffigure no.-1.1, 1.2 & 1.3 at page no.3, 4 & 5 of Chapter-I.
13	List of raw material required and source along with mode of transportation should be included. All the trucks for raw material and finished product transportation must be Environmentally Compliant	Slide 20	Section- 2.8 at page no.18 & 19 of Chapter-II.
15	Mass balance for the raw material and products should be included.	Slide 20	Section- 2.8 at page no.18 of Chapter-II.
16	Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.	Slide 22	Section- 3.4 at page no. 13 to 17 of Chapter- III.
17	Ambient air quality at 8 locations within the study area of 10 km., aerial coverage from project site with one AAQMS in downwind direction should be carried out.	Slide 23 & 24	Section- 3.5 page no.18 to 21 of Chapter-III.

For OSD Coke Pvt. Ltd



Director



TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
18	The suspended particulate matter present in the ambient air must be analyzed for the presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction. Chemical characterization of RSPM and incorporating of RSPM data.	Slide 25	Section - 3.5.3 at page 24 of Chapter-III
19	Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.		Section- 4.3.2 at page no.11 & 12 of Chapter-IV
20	Ambient air quality as per National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 should be included.	Slide 26	Section- 3.5 page 18 to 24 of Chapter-III
21	Air Quality Impact Prediction Modeling based on ISCST-3 or the latest models.	Slide 27, 28, 29	Section- 4.3 at page no. 8 - 17 of Chapter-IV
22	Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.	Slide 31	Section- 4.5.2 page 19 & 20 of Chapter-IV
23	An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 <sup>th</sup> May, 2008.	Slide 32	Section-5.4.1.2 at page no.9 of Chapter-V
24	Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.	Slide 33, 34, 35	Section - 3.3.2 page 5 to 13 of Chapter-III and rainwater harvesting details section 5.4.2.4 page 11 & 12 Ch-V
25	Source of surface/ground water level, site (GPS), cation, anion (Ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.	Slide 39, 41	Section - 3.3.2 page 5 to 13 of Chapter-III
28	A note on the impact of drawl of water on the nearby River during lean season.	No Impact	No impact on nearby river because source of water is ground water
29	Action plan for rainwater harvesting measures.	Slide 33, 34, 35	Section 5.4.2.4 page 11 & 12 of Chapter-V
30	Surface water quality of nearby River (60 m upstream and downstream) and other surface	Slide 39	Table 3.6 page 24 to 27 of Chapter-III

For OSD Coke Pvt. Ltd



Director

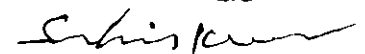
TOR No	Description of TOR	TOR COMPLIANCE in PRESENTATION	TOR COMPLIANCE in EIA
	drains at eight locations must be ascertained.		
31	If the site is within 10 km radius of any major river, Flood Hazard Zonation Mapping is required at 1:5000 to 1:10,000 scale indicating the peak and lean river discharge as well as flood occurrence frequency.	NA	Plant area does not come under flood prone area.
32	Pretreatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.	NA	Section- 5.4.2 page 9 to 11 of Chapter-V
33	Ground water monitoring minimum at 8 locations and near solid waste dump zone, Geological features and Geo-hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital.	Slide 41	Section-3.6.2 fig – 3.8 page 28 to 31 Ch 3I
35	Identification and details of land to be used for all type of slag disposal in the secured land fill as per CPCB guidelines should be included.	NA	No slag generation
37	Provision of Toxic Chemical Leachability Potential (TCLP) test for the slag and its end use should be included.	NA	No slag generation
38	Action plan for the green belt development plan in 33 % area should be included.	Slide 42	Section- 5.5 , page 16 to 18 of Chapter-V
39	Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.	Slide 43 – 47	Section- 3.9 page 39 to 42 of Chapter-III
40	Disaster Management Plan including risk assessment and damage control needs to be addressed and included.	Slide 48	Section- 6.3 & 6.4 page 4-13 Chapter-VI
41	Occupational health	Slide 49, 50, 51	Section- 6.5 page 13 to 17 of Chapter-VI
42	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon.	Slide 54	Section- 7.4 page 4 & 5 Chapter-VII

Methodology provided in Chapter 3

Modeling details provided in Chapter 4

Control of Environment details in Chapter 5

For OSD Coke Pvt. Ltd



Director

Ref.:SEAC/Jhr/2014-01

Date: April 11, 2014

## EIA CONSULTANT UNDERTAKING

[in compliance with MoEF Office Memorandum No. J-11013/41/2006-IA.II (I) dated 04.08.2009]

We, **M/s Visiontek Consultant Services Private Limited, Bhubneswar** are an ISO 9001:2008 & OHSAS 18001:2007 certified company and also NABET (QCI) accredited EIA consultant (category – A) as per scheme of Ministry of Environment & Forest, New Delhi for preparing EIA/EMP reports for the accredited sectors.

**M/s. OSD Coke Private Limited**, have entrusted the work of obtaining TOR and carrying out EIA study as per TOR to **M/s Visiontek Consultant Services Private Limited, Bhubneswar** for Environmental Clearance for the Expansion of Hard Coke (from 128 TPD to 260TPD) along with 250 TPD Coal Washery located in Village- Amjhore, PO. - Baliapur, Dist. – Dhanbad, Jharkhand.

**M/s. OSD Coke Private Limited**, have submitted their Application to Ministry of Environment and Forest, New Delhi for obtaining Environmental Clearance for the said project. The proposal was considered by the Expert Appraisal Committee (Industry) during its Meeting. Terms of References (TORs) for preparing EIA Report as per the generic structure of the EIA Notification 2006 were prescribed and finalised TORs communicated vide F. No. J -11011/211/2011-IA-II dated 14.06.2011 by MoEF, New Delhi.

Draft EIA was prepared based on the TORs and submitted to Jharkhand State Pollution Control Board for conduct of Public Hearing. After the public hearing the issues raised in the hearing and their mitigative measures were incorporated in the Final EIA/EMP report submitted for grant of Environmental Clearance. The Awarded TORs are complied with in and incorporated in the EIA/EMP Report. The data submitted in the EIA Report are factually correct to best our knowledge.

This undertaking has been given as per MoEF Office Memorandum No. J-11013/41/2006-IA.II.(I) dated 04.08.2009

For Visiontek Consultancy Services Private Limited

  
Director

Date : 11.04.2014  
Place : Ranchi

Factory (Hard Coke Unit) : VILL : HARWEY, P.O : KARMA, DIST : RAMGARH (JHARKHAND)

Admn. Office : RANCHI ROAD, P.O : MARAR, DIST : RAMGARH (JHARKHAND)

PHONE : 06553 223292, TELE FAX : 06553 223292

To,  
The Chairman,  
SEIAA, Jharkhand,  
C- 170, Road No. 4, Ashok Nagar,  
Ranchi – 834 002, Jharkhand.

Date: 15.04.2014

**Sub: Submission of clarification in response to observations of SEIAA in respect of proposed project of "Low Ash Hard Coke Plant and Coal Washery" by M/s Ma Chhinamastika Sponge Iron Ltd. At: Ramgarh – Displayed on the Website.**

Dear Sir,

With reference to the above subject we wish to inform you that we have noted the observations raised by SEIAA in their 27<sup>th</sup> meeting held on 29<sup>th</sup> March, 2014 after a lapse of more than 100 days since the SEAC submitted its recommendations for grant of EC. Further to it we want to state that the EIA/EMP submitted to MoEF and subsequently forwarded to you has been prepared in compliance to the ToR issued by MoEF. It covers all the points prescribed in the ToR. For ready reference we are enclosing a status on ToR compliance annexed with this letter. This status report clearly shows that EIA/EMP is not deficient in terms of non compliance to ToR items.

In the view of the facts stated above we would like to request you to kindly take urgent action to expedite grant of EC which have already been inordinately delayed beyond the time frame prescribed in Para 8 (II) of EIA Notification 2006.

Thanking you.

With kind regards.

Yours sincerely,  
For Ma Chhinamastika Sponge Iron Ltd.  
(Hard Coke & Coal Washery Unit)



(Shantanu Mishra)  
Authorized signatory

Copy to;

To,  
The Chairman,  
SEAC, Jharkhand,  
C- 170, Road No. 4, Ashok Nagar,  
Ranchi – 834 002, Jharkhand.

**M/s Ma Chhinamastika Sponge Iron Ltd.**  
**(Hard Coke & Coal Washery Unit)**  
**At: Harvey, P.O.: Karma, Ramgarh, Jharkhand.**

**Status of Compliance to Observations Raised by SEIAA Vide Item No. 27 of 17<sup>th</sup> Meeting**  
**held on 29.03.2014**

Sl. No.	ToR Condition	Compliance Status
4.	A site location map on Indian map of 1:10,00,000 scale followed by 1:50,000/ 1:25,000 scale on an A3/A2 sheet with at least next 10 kms of terrains i.e. circle of 10 kms and further 10 kms on A3/A2 sheets with proper longitude/ latitude/ heights with min. 100/200 m. contours should be included. 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site.	Index Map (Plate- I) shows the location of project site with reference map of India & Jharkhand. Study Area Map (Plate- II) shows the project site on (1:50,000) Survey of India Topo-sheet covering an area within 10 km beyond project area. Digital Elevation Model covering project site and 10 km beyond is shown in Plate-IV.
5.	Present land use should be prepared 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 10Km radius area from proposed site. The same should be used for land used/land-cover mapping of the area.	Present land use pattern in study area on a scale of (1:50,000) using high resolution remote sense technique is given in Plate- V. Present land use plan in the study area is given at Para 3.16.
8.	Details and classification of total land (identified and acquired) should be included.	The project area measures 1.567 Ha. As per the revenue records given in Annexure II, land is Tanr- 3 type which means barren land. The proposed project site layout along with break-up of land requirement is given in Chapter- IV.
14.	Site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall is necessary.	Site specific micro-meteorological data generated during winter of 2010 -2011 are given in the report as given below; Table- 3.1 - Wind velocity and direction Table- 3.2 - Wind velocity and direction - Temperature - Relative Humidity - Wind Speed & Direction - Cloud Cover - Rain Fall
15.	Ambient air quality at 8 locations within the study area of 10 km., aerial coverage from project site with one AAQMS in downwind direction should be carried out.	Ambient air quality was monitored at 8 locations. Monitoring results are given in Table- 3.3. One station has been fixed on upwind direction & one at downwind direction.
17.	Determination of atmospheric inversion level at the project site and assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features.	Atmospheric Inversion Level are given at Para 3.15 Ground Level Concentration of PM <sub>10</sub> are given in Table- 4.1
18.	Air quality modeling for ferro alloy plant for specific pollutants needs to be done. APCS for the control of emissions should also be included to control emissions within 50 mg/Nm <sup>3</sup> .	Air Quality Modeling has been done using USEPA software ISCST – III. Parameters have been modeled as per AAQ standards. They are covered at Para 4.3.3. Air pollution control system to control emissions is given in Chapter- IV.
19.	Ambient air quality as per National Ambient Air Quality Emission Standards issued by the	Ambient Air Quality has been studied with reference to AAQ Standards vide GSR No.

	Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 should be included.	826 (E) dated 16.11.09.
21.	Impact of the transport of the raw materials and end products on the surrounding environment should be assessed and provided.	Process of assessment of project related activities on ambient air quality in study area includes air pollutants generated by transport of raw material Item 4.3 A (IV).
22.	An action plan to control and monitor secondary fugitive emissions from all the sources as per the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 <sup>th</sup> May, 2008.	Action Plan to control fugitive dust is given at Para 4.6.2. Monitoring plan for ambient air quality is covered in Chapter – VI.
23.	Presence of aquifer/aquifers within 1 km of the project boundaries and management plan for recharging the aquifer should be included.	Aquifer found within 1 km of project site has been described at Para 3.18. Proposal of recharge of aquifers have been covered at Para 4.10. Ground water is to be recharged by providing spread tank along the drainage channels.
24.	Source of surface/ground water level, site (GPS), cation, anion (Ion Chromatograph), metal trace element (as above) chemical analysis for water to be used. If surface water is used from river, rainfall, discharge rate, quantity, drainage and distance from project site should also be included.	Project will use ground water. Quality of ground water has been monitored. Quality analysis results has been given at Para 3.10 (Table- 3.4). Surface water is not to be used for project.
25.	Ground water analysis with bore well data, lithologs, drawdown and recovery tests to quantify the area and volume of aquifer and its management.	Ground water analysis report has been given at Table 3.4
26.	Permission? for the drawl of water. Water balance data must be provided.	Permission for drawl of ground water is not required as water requirement is only 30 KLD. Water Balance for project has been given at Fig. 4.2 & 4.3
27.	A note on the impact of drawl of water on the nearby River during lean season.	Project will not draw water from river.
28.	Action plan for rainwater harvesting measures.	Ground water recharge using rain water has been covered at Para 4.10
29.	Surface water quality of nearby River (60 m upstream and downstream) and other surface drains at eight locations must be ascertained.	River water quality monitoring results at eight locations are given in Table- 3.5
31	Pretreatment of raw water, treatment plant for waste water should be described in detail. Design specifications may be included.	<ul style="list-style-type: none"> <li>- Pretreatment of raw water is not required. Ground water is proposed to be used for plant, Quality of ground water is such that it does not require pre- treatment.</li> <li>- The plant has been designed on zero discharge principle. Waste water generated in the process is to treated and recycled.</li> </ul>
32.	Ground water monitoring minimum at 8 locations and near solid waste dump zone, Geological features and Geo-hydrological status of the study area are essential as also. Ecological status (Terrestrial and Aquatic) is vital.	Ground Water monitoring results are given at Para – 3.10 (Table- 3.4). Flora & Fauna has been studied given in Table- 3.11 to 3.15.
33.	Action plan for solid/hazardous waste generation, storage, utilization and disposal particularly coal middlings.	There is no generation of hazardous solid waste from the plant process. The proposal for disposal of other solid waste generated in the plant are given below;
34.	End use of solid waste and its composition should be covered. Toxic metal content in the waste material and its composition should also be incorporated particularly of slag.	<ul style="list-style-type: none"> <li>- Rejects from washery containing 40% carbon are to be sold to brick kiln owners in the area.</li> </ul>

35.	Provision of Toxic Chemical Leachability Potential (TCLP) test for the slag and its end use should be included.	<ul style="list-style-type: none"> <li>- Middlings from the washery has good market as raw material for power plants, hence they will be sold to power plants.</li> <li>- There is no solid waste generation from hard coke plant.</li> </ul> <p>As such, it may kindly be seen that there would be no issue relating to storage of solid waste.</p> <p>Since there is no generation of hazardous waste, there appears to be no need for TCLP test. Industrial process involved would not generate any slag.</p>
36.	Action plan for the green belt development plan in 33 % area should be included.	Green Belt Development Plan is given at Para 4.6.2
37.	Detailed description of the flora and fauna (terrestrial and aquatic) should be given with special reference to rare, endemic and endangered species.	Flora & Fauna including terrestrial, avi and aqua occurring in study area has been studied. They are given in Table 3.10, 3.11, 3.12, 3.13, 3.14 & 3.15. No rare, endemic & endangered species have been found in study area.
38.	Disaster Management Plan including risk assessment and damage control needs to be addressed and included.	Disaster Management Plan is given in Para 7.2
39.	Details regarding expected Occupational & Safety Hazards. Protective measures for Occupational Safety & Health hazards so that such exposure can be kept within permissible exposure level so as to protect health of workers. Health of the workers with special reference to Occupational Health. Plan of exposure specific health status evaluation of workers; pre placement and periodical health status of workers; plan of evaluation of health of workers by pre designed format, chest x ray, audiometry, spirometry, vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations and plan of monthly and yearly report of the health status of workers with special reference to Occupational Health and Safety	<p>Issues related to occupational &amp; safety hazards are covered at Para 7.5.</p> <p>It has been proposed in the report that at preplacement stage, there will be medical examination of all workers covering statutory requirements and records of individual workers will be maintained. During the operational stage of the project all workers will pass through medical checkup at regular intervals and records of such tests will be maintained. Arrangements will be made with ESI for regular checkups and medical attendance.</p>
40.	At least 5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be included. Socio-economic development activities need to be elaborated upon	<p>Provisions for CSR activities are covered at Para – 4.7</p> <p>A sum of Rs. 20 lakhs which works out to be 5% of capital cost of the plant (Rs. 4 Crore) has been provided.</p>

For Ma Chhinamastika Sponge Iron Ltd.  
(Hard Coke & Coal Washery Unit)

*Shantanu Mishra*

(Shantanu Mishra)  
Authorized signatory.



# Crystal Consultants

Mining, Environment, Mineral Beneficiation & Engineering Consultants

Ref. No. CC/

Date .....

To,  
The Member Secretary  
SEIAA,  
C-170, Rd. no-4  
Ashok Nagar, Ranchi

**Sub-** E.C for Low Ash Hard Coke Plant and Coal Washery by M/s Maa Chhinamasitka Sponge Iron Ltd.  
(India) Ref. Item 27 of Minutes of 17<sup>th</sup> meeting of SEIAA held on 29/03/2014.

Dear Sir,

This is with reference to above subject of Minutes of meeting held on dt. 29/03/2014.

We wish to inform you following:

- 1) That we are accredited consultant for mining of minerals & coal Washery in Cat B by QCI/NABET.
- 2) MOEF determined the TOR for Environmental Studies for project. We prepared the EIA/EMP for the project complying with all points raised in TOR & submitted to MOEF.
- 3) The MOEF forwarded the EIA/EMP report to SEIAA as the project is of B Category for further action for grant of Env. Clearance.
- 4) We presented the EIA/EMP before the SEAC twice once in Oct 13 & then in Nov 13. First presentation covered all issues raised in the TOR.
- 5) SEAC, on appraisal of project in OCT 13 sought certain clarification.
- 6) We submitted the clarification & presentation which was again made to SEAC in Nov 13.
- 7) SEIAA displayed on its website its observation on the proposal which was discussed in its 17<sup>th</sup> meeting in March 14. We are surprised to note that SEIAA has observed that EIA/EMP does not cover all issues raised in the TOR for the project issued by MOEF. We wish to stress here that the EIA/EMP covers all issues raised in the TOR.

This is for your kind information & necessary action for issue of Env. Clearance. Thanking You.

With kind regards

Yours faithfully,

S. Kumar

EIA Coordinator

Copy to Chairman, SEAC

C-170, Rd. No.-4, Ashok Nagar, Ranchi