



**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
(SEIAA), ORISSA.**

(Constituted vide order No. S.O. 2674 (E) Date 17th Nov. 2008 of Ministry of Environment & Forest, Govt. of India, Under Environment Protection Act, 1986.) Qr. No. 5RF-2/1, Unit-IX, Bhubaneswar-751022
E-mail-seiaaorissa@gmail.com, Website - www.orissaseiaa.gov.in

Ref. No. _____

Dt. _____

SEIAA – 141/10

From

Bhagirathi Behera, IFS
Director, Environment-cum-
Spl. Secretary to Government
& Member Secretary, SEIAA, Orissa

To

Kanchan K. Sinha
M/s N.R International Ltd.
N.R House, Plot No-1050
In front of Bombay Hotel,
College Square, Cuttack, Orissa
Tel- 0671-2648187
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E-mail – ctk_nrtrad1@sancharnet.in

Sub: Environmental Clearance for establishment of a coal washery plant of capacity 0.9 MTPA at Bainchua, Tangi in the district of Cuttack of M/s N.R International Ltd.

Sir,

This has reference to your letter no. nil dated 04.03.2009 along with application for Terms of Reference (ToR) and subsequent application dated 09.05.2009, dated 13.05.2009, dated 03.07.2009, dated 28.06.2010, dated 18.03.2011 and dated 24.06.2011 on the above mentioned subject I am directed to say that the State Environment Impact Assessment Authority, Orissa have considered the application for the proposal for coal washery plant of capacity 0.9 MTPA at Bainchua, Tangi, Cuttack, applicants Sri Sarangi of M/s Geomin Consultants, presented the proposal while the proponent was present. The coal beneficiation plant of 0.9 MTPA capacity would use raw coal from MCL on behalf of Sponge Iron Plants for beneficiation and the final products including the rejects would be used by the sponge iron plants. The raw coal analyzing >44% ash and 0.5% S would be beneficiated in heavy media cyclone 0.63 MTPA of beneficiated coal having ~33% ash and 0.2% would be used for sponge production while 0.27 MTPA of rejects having 76.56% ash and other impurities and 0.3%S will be used for power generation. The unit has obtained NOC from CGWA for withdrawal of 65 cum of water on 02.09.2009. ToR was issued by SEAC, Orissa vide letter No. 33/SEAC-13 dated 07.07.2009. Public hearing was conducted on 18.04.2009. The total investment for proposed unit is Rs. 7.3 crores. The case was placed in the SEAC meeting held on 20-21st September, 2010 and 25-26th April, 2011. The committee decided to consider

E.C after receipt of clarification from the proponent about coal linkage. The proponent furnished clarification. The committee verified the same.

Based on the information / documents and clarifications furnished by the proponent and on recommendation of SEAC, Orissa, the State Environment Impact Assessment Authority, Orissa hereby accords Environmental Clearance in favour of the project for a period of 5 (five) years under the provisions of the Environment Impact Assessment Notification, 2006 and 2009 and subsequent amendment thereto under various MoEF, Govt. of India circulars thereunder and subject to the following stipulated conditions.

Stipulated Conditions:

- 1) The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Gorm-1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.
- 2) The applicant will take necessary steps for socio economic development of the people of the area on need based assessment for providing employment, education, health care, drinking water and sanitation, road and communication facilities etc. after a detailed primary socio-economic survey.
- 3) The applicant will comply to the points, concerns and issues raised by the people during public hearing on 18.04.2009 in accordance with the commitments made by him thereon.
- 4) The applicant will take statutory clearance /approval /permissions from the concerned authorities in respect of his project as and when required.
- 5) For post environmental clearance monitoring, the applicant will submit half-yearly compliance report in respect of the stipulated terms and conditions of Environmental Clearance to the State Environmental Impact Assessment Authority (SEIAA), Orissa on 1st June and 1st December of each calendar year.
- 6) The entire coal rejects shall be supplied to companies for use in their FBC based TPP of companies with whom MOU/Agreements have been entered with. The linked FBC based Thermal Power Plant shall be existing operational units or commissioned within 2 years of operation of the washery.
- 7) The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site(s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.
- 8) Hoppers of the coal crushing and screening unit and washery unit shall be fitted with high efficiency bag filters and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- 9) All internal roads shall be concretised. The roads shall be regularly cleaned with mechanical sweepers. A 3-tier avenue plantation developed along the main roads, and approach roads to the washery.
- 10) Trucks engaged for mineral transportation outside the washery shall be optimally loaded and covered with tarpaulin with no spillage en route. The trucks shall be properly maintained and emissions shall be below notified limits.
- 11) The washery unit shall be a zero-discharge facility and no wastewater shall be discharged from the washery into the drains/natural watercourses. Recycled water

- shall be used for development and maintenance of green belt and in the plant operations.
- 12) Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂ and NO_x and heavy metals such as Hg, As, Ni, Cr, tec.) shall be regularly submitted to the SEIAA, Orissa including its MoEF Regional Office at Bhubaneswar and to the State Pollution Control Board and the Central Pollution Control Board once in six months, Random verification of samples through analysis from independent laboratories recognized under the EP Rules, 1986 shall be furnished as part of the compliance report.
 - 13) Excess water along with storm water during monsoon should not be discharged into the surrounding low lying area. The storm water during monsoon will be collected in a pond and after appropriate treatment shall be stored in a reservoir for use in plantation, dust suppression etc.
 - 14) Under no circumstances the process water shall be discharged to nearby water body. It should be properly treated, stored and 100% recycled in the process.
 - 15) The National Ambient Air quality Emission Standards issued by the Ministry vide G.S.R No. 826(E) dated 16th November, 2009 shall be followed.
 - 16) The treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. There shall be no discharge outside the plant boundary. Arrangements shall be made so that effluents and storm water do not get mixed.
 - 17) A sewage treatment plant shall be provided and the treated sewage after meeting the prescribed standards shall be reused for gardening, plantation and dust suppression.
 - 18) The design of rain water harvesting shall comprise of rain water collection from the built up and open area in the plant premises. Action plan and road map for implementation shall be submitted to the SEIAA within six months.
 - 19) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Details of these measures to be taken along with location plant layout shall be submitted to the SEIAA, Orissa.
 - 20) A green belt of adequate width and density preferably with local species along the periphery of the plant & alongside roads etc. shall be raised so as to provide protection against particulates and noise. It must be ensured that at least 33% of the total land area shall be under permanent green cover. The project proponent shall ensure proper maintenance of green belt throughout the year & for this purpose they may engage professionals in this field for creation and maintenance of the green belt. An action plan for this purpose shall be prepared accordingly and submitted to the SEIAA, Orissa.
 - 21) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
 - 22) Regular monitoring of ground level concentration of SO₂, NO_x, RSPM (PM₁₀ & PM_{2.5}) etc. shall be carried out in the impact zone and records to be maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB, Orissa.
 - 23) Management and disposal of other solid waste and hazardous waste generated shall be done by the project proponent as per the provisions of the relevant statutory rules.
 - 24) Provision shall be made for housing of construction labourers 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.

- 25) An Environmental cell comprising of atleast one expert in environmental science/ engineering, occupational health and social scientist, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the cell shall directly report to the head of the organization and he shall be held responsible for implementation of environmental regulations and social impact improvement /mitigation measures.
- 26) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to the appropriate authorities (SEIAA, Orissa).
- 27) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall be diverted for other purposes and year-wise expenditure should be reported.
- 28) The need of the local people should be appropriately addressed in the CSR activities to be undertaken by the project proponent in the area. An action plan in this regard should be prepared and submitted to SEIAA, Orissa.
- 29) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter area available with the State Pollution Control Board and SEIAA..
- 30) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions /representations, if any received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.
- 31) The environment statement for each financial year ending 31st 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 environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.
- 32) The above mentioned stipulated conditions shall be complied in time bound manner. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract penal action under the provisions of Environment Protection (EP) Act, 1986.

Member Secretary

Memo No _____/Dt. _____

Copy to

1. Ministry of Environment & Forests, Govt. of India, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi for kind information.
2. Principal Secretary, Forests & Environment Dept., Government of Orissa for kind information.

3. Chairman, State Pollution Control Board, Parivesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for kind information.
4. Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for kind information.
5. Chairman, Central Pollution Control Board, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110032 for kind information.
6. Collector & District Magistrate, Cuttack for kind information and necessary action.
7. Chairman/Member/Member Secretary, SEIAA for kind information.
8. Chairman, SEAC/Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for kind information.
9. Guard file for record.

Member Secretary