



2No. J-11015/418/2008-IA-II (M)

Government of India
Ministry of Environment, Forest and Climate Change
Impact Assessment Division

2nd Floor, Prithvi Wing,
Indira Paryavaran Bhavan,
Jor Bagh Road, Aliganj,
New Delhi-110 003

Dated: 05th August, 2021

To,

M/s. Steel Authority of India Limited,
Raw Materials Division,
Boiani Ores Mines, P.O.: Boiani,
Dist: Keonjhar, Odisha – 758037.

Subject:- Proposal for change in excavation & dispatch pattern of Bolani Iron Ore Mine [ML Area 1321.45 ha] of M/s Steel Authority of India Limited located at Village Bolani, Tehsil- Barbil, District Keonjhar, Odisha- EC under Para 7(ii) of EIA Notification, 2006 (ToR) regarding.

Sir,

This has reference to proposal No: IA/OR/MIN/215703/2021 of M/s Steel Authority of India Limited is for Extension of validity of EC dated 30.07.2020 and for permitting dispatch of 8.5 MTPA ROM Iron Ore, 1.5 MTPA from SAIL's Bolani Rly. Siding, dispatch of fresh fines of 0.5 MTPA by Road and 1.5 MTPA by Public Sidings Bolani/Barbil keeping total production within approved EC Capacity under Para 7(ii) of the EIA Notification 2006 for Bolani Iron Ore Mine (1321.45 ha) is located at Villages Bolani & Balagoda and Karo Reserve Forest (R.F.) in Barbil Tehsil, Champua Sub- division, Keonjhar District of Odisha. The lease area forms part of Survey of India Topo-sheet no: 73 F/8 (F45H/8) and is bounded by Latitude 22° 05'11.65848" N & 22° 07'46.2869"N & Longitude 85° 16'52.81330" E - 85° 20'13.85260"E.

2. M/s Steel Authority of India Limited has made an online application vide proposal no. IA/OR/MIN/215703/2021 dated 23.06.2021 under para 7(ii) of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals under Category "A" of the schedule of the EIA Notification, 2006 as the mining lease area is greater than 100 ha and appraised at Central level.

3. PP submitted that Ministry granted the earlier EC vide letter No.J-11015/418/2008-IA.II (M) dated 21.12.2012 and subsequent amendments dated 17.02.2014. PP further obtained the EC letter No.J-11015/418/2008-IA.II (M) dated 30th July, 2020 under para 7(ii) of EIA Notification 2006 (as amended) for change in excavation & dispatch pattern by increasing excavation

M/s Steel Authority of India Limited - Odisha

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and dispatch of iron ore fines from existing Fines Dumps up to 3.0 MTPA (from present 0.5 MTPA) and Modification of Mining parameters including updating of reserves and waste generation keeping total production within approved EC capacity of 12 MTPA. Boiani Iron Ore Mine (1321.45 ha) is located at Villages Boiani&Balagoda and Karo Reserve Forest (R.F.) in Barbil Tehsil, Champua Sub-division, Keonjhar District of Odisha with one of the specific condition that *"This amendment is valid for a period of one year and the same may be extended after the site visit or compliance monitoring by Regional Office, whichever is earlier."*

4. Now Project Proponent is requesting for Extension of validity of EC dated 30.07.2020 and amendment for permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12 MTPA under Para 7(ii) of the EIA Notification 2006 as due to prevailing Covid-19 pandemic and consequent restrictions the required site visit and compliance monitoring at site by the Integrated Regional Office, MoEF&CC, Bhubaneswar could not be carried out till date.

5. PP submitted that Boiani Ore Mines comprises of two adjacent leases; Boiani 5.1 Sq. Mile Lease (area: 1321.45 ha) and Boiani 6.9 Sq. Mile Lease (area: area: 1786.74 ha). 5.1 Sq. Mile lease is the main iron ore mining lease. 6.9 Sq. Mile Lease is a manganese ore mining lease. The two leases are adjacent to each other and have common infrastructure such as Railway siding, loading plant, crushing & screening, conveyors, power-lines, magazine, township, office, guest house, hospital, roads, Tailing Dam etc. The lease comprises of 1312.86 ha Forest Land and 8.59 ha Non Forest Land under the villages of Boiani and Balagoda. The 5.1 Sq. Mile ML was granted for 30 years with validity from 11.04.1960 to 10.04.1990. The lease has been renewed up to 09.04.2030 vide express order of Govt. of Odisha, Steel & Mines Department. Stage-II Forest clearance exists for the total forest land within the Mining Lease.

6. The Project Proponent submitted the Approval of Modification of Review of Mining Plan along with Progressive Mine Closure Plan over an area of 1321.45 ha approved by Indian Bureau of Mines vide Lr No. MRMP/A/12-ORI/BHU/2020-21 dated 08.09.2020 for the period 2020-21 to 2024-25. Certified Compliance report of Environmental Clearance has been obtained from the Regional Office, MoEF&CC, Bhubaneshwar vide letter no. 101-570/09/EPE dated 29.01.2020. Consent to Operate issued by the Odisha State Pollution Control Board, Bhubaneshwar vide letter no. I4881/IND-I-CON-242 dated 24.03.2021 which is valid till 31.03.2022.

7. The Project Proponent submitted that in order to assess the likely impacts, if any, on the local road infrastructure and air quality of the area, due to the

proposed above mentioned changes in the scope of work, specific environmental studies viz., Traffic Density Study and Air Quality Impact Prediction Study have been carried out and incorporated in the addendum to EIA/EMP Report. It has been observed that adequate road capacity is available to undertake additional traffic load due to iron ore transportation by road from fine dumps. Air Quality Impact Prediction Studies revealed that the resultant air quality in and around the mines within the permissible limits. The proposed liquidation of fines will not only result in effective utilization of these low-grade minerals, but also eliminates environmental hazards associated due to storage of fines besides meeting the iron ore demand during scarcity period of the country. There is no change in scope of work from earlier EC amendment granted dated 30th July, 2020 excepting inclusion of transportation of part of fresh iron ore fines (up to 0.5 MTPA) along with dump fines on road within approved capacity.

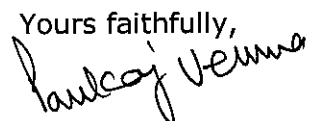
8. The Project Proponent reported that subsequent to the judgment of Apex Court dated 02.08.2017, the Governments of Odisha vide letter dated 23.10.2017 issued a demand notice for payment of Rs. 47,49,46,999/-. Against this demand, SAIL had filed a Writ Petition bearing WP (C) No- 24279/2017 before High Court of Orissa at Cuttack. The matter was heard and Hon'ble High Court had passed the stay order on 04.04.2018 & matter is sub-judice.

9. The proposal for Amendment in Environmental Clearance was considered in the in the 32nd EAC meeting held during 28th June, 2021 to 1st July, 2021. Based on the documents submitted and presentation made by the Project Proponent and the Consultant, The Committee after assessing the revised air quality impacts submitted by PP and looking at the pandemic situation, the Committee **recommended** the proposal of M/s SAIL for amendment of extension of validity of EC dated 30.07.2020 for one year along with permitting dispatch of 8.5 MTPA ROM Iron Ore from mines, 1.5 MTPA from fines dump by SAIL's Bolani Rly. Siding and dispatch of 0.5 MTPA from Iron Ore from Mines and 1.5 MTPA from fines dump by Public Sidings Bolani/Barbil or by Road keeping total production within approved EC Capacity 12 MTPA under Para 7(ii) of the EIA Notification 2006 at village Bolani, Tehsil- Barbil, District Keonjhar, Odisha. All other terms and Conditions mentioned in earlier EC dated 21.12.2012 and 30.07.2020 shall be remain same.

10. The Ministry of Environment, Forest & Climate Change has examined the proposal in accordance with the para 7(ii) of Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the amendment as recommended by EAC during its 32nd EAC meeting held during 28th June, 2021 to 1st July, 2021 subject to compliance of following additional specific conditions.

ADDITIONAL SPECIFIC CONDITIONS

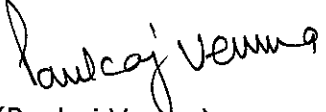
- i. This amendment will be valid for a period of one year from the date of issue of this EC and the same may be extended after the site visit or compliance monitoring by IRO, whichever is earlier.
 - ii. The Project Proponent needs to monitor the air quality at the sliding in terms of dust emission during the dispatch of fresh fines of 0.5 MTPA through road and the data needs to be submitted to the Ministry.
 - iii. The Project Proponent shall ensure that there is no change in air quality at the road. Particle size analysis of the emissions that are likely to emerge from the dumps and storage at the site and railway sliding to be carried out.
 - iv. The Project Proponent shall also ensure that the dispatch by road should be as per the standard practices.
11. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
12. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
13. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court and any other Court of Law relating to the subject matter.
14. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,

(Pankaj Verma)
Scientist 'E'

Copy to:

- 1). **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- 2). **The Chief Secretary**, Government of Odisha, Secretariat, Bhubaneswar.
- 3). **The Secretary**, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
- 4). **The Secretary**, Department of Mines and Geology, Government of

- Odisha, Secretariat, Bhubaneswar.
- 5). **The Secretary**, Department of Forests, Government of Odisha, Secretariat, Bhubaneswar.
 - 6). **The Secretary**, Department of Steel and Mines, Government of Odisha, Secretariat, Bhubaneswar.
 - 7). **The Member Secretary**, Odisha Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
 - 8). **The Additional Principal Chief Conservator of Forests**, Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar-751023.
 - 9). **The Chief Wildlife Warden**, Prakurti Bhawan, 5th floor, BDA Apartment, Nilakanthanagar, Nayapalli, Bhubaneswar-751012, Odisha.
 - 10). **The Chairman**, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
 - 11). **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440001
 - 12). **The Member Secretary**, Central Ground Water Board, Ministry of Agriculture and Irrigation, 12/1 Jam Nagar House, Shahjahan road, New Delhi 110011.
 - 13). **The District Collector**, Keonjhar District, Govt. of Odisha.
 - 14). **Guard File.**
 - 15). **PARIVESH Portal.**


(Pankaj Verma)
Scientist 'E'

