

BY SPEED  
POST



**Steel Authority of India Limited**  
**Rourkela Steel Plant**  
Rourkela – 769011  
**Fax : 0661-2510183**

Ref. No. : 691/EE/59/68  
Date : 24/05/2024.

Dear Sir,

Sub : Implementation Status of Env. Clearance Conditions issued to RSP.  
Ref. : EC vide ref. no. F No. J-11011/66/2014-IA II(I), dated 06/011/2019.

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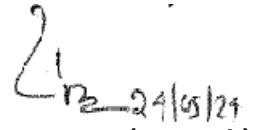
Thank you very much for granting Environment Clearance vide F No. J-11011/66/2014-IA II(I), dated 06/11/2019 for "Modernisation of Steel Plant (4.2 MTPA) by addition of new slab Caster#4 within existing SMS#2 to achieve production of M/s SAIL Rourkela Steel Plant located at Rourkela.

We have prepared a time bound action plan and the implementation status of the same is attached for your kind perusal.

Thanking you sir,

With warm regards,

Yours faithfully,  
For Rourkela Steel Plant,

  
(P C Dash)

General Manager I/c  
Environmental Engg. Department

Note : Soft copy mailed to [roez.bsr-mef@nic.in](mailto:roez.bsr-mef@nic.in); [mef.or@nic.in](mailto:mef.or@nic.in)

To : The Dy. Director General of Forests,  
Integrated Regional Office,  
Ministry of Environment & Forests,  
A/3, Chandrasekharapur,  
Bhubaneswar. – 751023.

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Environmental Engg. Department, 1<sup>st</sup> Floor of OHSC Building, Rourkela Steel Plant, Rourkela

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Regd. Office : Ispat Bhawan, Lodi Road, New Delhi – 110 003



**Steel Authority of India Limited**  
**Rourkela Steel Plant's Modernisation cum Expansion Project**  
**(Environment Clearance vide ref.no. F No. J-11011/66/2014-IA II(I), dated 06/11/2019)**

**Implementation Status EC Conditions**

**Contact Person : Sri P C Dash, GM I/c (Env. Engg.) Phone : 0661-2447258 ; 8895500627**  
**(October – March, 2024)**

**Project :** Modernization of Rourkela Steel Plant by addition of new slab caster#4 within existing SMS-II to achieve production of M/s SAIL Rourkela Steel Plant located at village and tehsil Rourkela, District Sundergarh, Odisha – **Environmental Clearance under para 7(ii) of EIA Notification, 2006 – reg.**

**a) Specific Conditions of EC :**

SN.	Specific Conditions of EC	Implementation Status of Action Plan
i)	The maximum hot metal production of 4.5 MTPA and crude steel production of 4.2 MTPA shall remain unchanged.	Complied.  Hot Metal Production during 2023-24 is 4.49 MTPA and Crude Steel Production is 4.16 MTPA.
ii)	The specific water consumption shall not be more than 3.6 m <sup>3</sup> /tonne of crude steel production.	Complied.  RSP has taken various water conservation initiatives during 2019-21 which has resulted reduction of Sp. Water Consumption to 3.41 m <sup>3</sup> /TCS during 2020-21 itself. The Sp. Water consumption of 2023-24 is 3.02 m <sup>3</sup> /TCS.
iii)	The specific energy consumption shall be reduced by 10% below 2017-18 value.	The Sp. Energy Consumption during 2017-18 is 6.33 Gcal/TCS. The target after commissioning of the project is 10% less than 2017-18 level i.e., 5.700 Gcal/TCS.  The Sp. Energy consumption for 2023-24 is 6.09 GCal/TCS. The target will be achieved after implementation of the project.

SN.	Specific Conditions of EC	Implementation Status of Action Plan
iv)	The green belt shall be developed in an area of 35% of the total project area with native broad leaved tree species @ 1500plants/Ha.	<ol style="list-style-type: none"> <li>1. The financial sanction of project was obtained for which this EC was granted LOA placed on 14/01/2022.</li> <li>2. RSP is going a head with enhancement of Green Cover every year by planting trees through DFO, Rourkela Forest Division, Govt. of Odisha.</li> <li>3. The present greenbelt area is 30.42% (~Area =521.62 Ha.).</li> <li>4. The target given by MoEFCC is 35% (~Area = 600.16 Ha.).</li> <li>5. The balance green belt to be developed is 4.58% (~ Area = 78.54 Ha.).</li> <li>6. Present undergoing Plantation inside the plant = 1 Lakh (~ Area = 66.67 Ha.)</li> <li>7. The balance plantation for achieving 35% i.e., 11.87 Ha. will be carried out next year.</li> </ol>
v)	The project proponent shall install bio-digester for kitchen waste.	A bio digester has already been installed inside plant premises for converting canteen waste into compost.
vi)	The project proponent shall develop master plan for solarisation indicating the maximum potential for switching over to solar power. This should include township as well. This plan will be executed fully within 5 years.	<p>RSP has assessed the possibility of installing roof top &amp; other solar power generation potential in RSP &amp; Steel Township and made an action plan for implementation of the same on fast track. The implementation strategy of the plan is given below;</p> <ol style="list-style-type: none"> <li>1. RSP has already installed 1 MW Solar Power Plant inside plant premises and is in operation.</li> <li>2. A 150 KW roof top solar power generation facility is planned along with Caster#4 project for which EC has been granted. This facility will be installed after construction of Caster#4 buildings by 2025-26.</li> <li>3. RSP is planning to install 1225 KW roof top solar power units covering RSP and Steel Township along with Solar Energy Corporation of India (SECI). SECI appointed EPC contractor, the execution to start.</li> </ol>

SN.	Specific Conditions of EC	Implementation Status of Action Plan
vii)	Emissions from the bag filter attached to LHF shall not be more than 30 mg/Nm <sup>3</sup> .	Design norm of 30 mg/Nm <sup>3</sup> for stack emission from Bag Filter has been incorporated in the design documents and the norm will be achieved.
viii)	The project proponent shall ensure and take all necessary efforts in consultation with the Regional Office of the MoEFCC for the compliance of the observations raised in the certified compliance report dated 5/11/2018 of Regional office of MoEFCC.	<p>The RSP projects have been inspected by Dr. Shahida Parveen Quazi, Scientist-E, Integrated Regional Office, MoEFCC, Bhubaneswar during 08-09/07/2021 and issued Certified Monitoring Report on 18/10/2021.</p> <p>RSP submitted action taken report on 28/10/2021 on observations raised by IRO, MoEFCC. The final closure report on MoEFCC's earlier observations was issued by MoEFCC on 06/12/2021.</p>
ix)	All other terms and conditions prescribed in the environmental clearance vide File No. J-11011/757/2007-IA.II(I) dated 29/01/2008 and File No. J-11011/66/2014-IA.II(I), dated 15/12/2016 shall remain unchanged.	Being complied.

- b) CER commitment as per Point No. 12 :** Total cost of the project is INR. 970.18 Crores. An amount of INR 501.00 Lakh is earmarked for implementation of CER related activities. Additional employment of 73 nos. would be generated due to the project activity.

SN.	Activity	CER Commitment	Implementation Status of Action Plan			
			SN.	Name of Work	Phase-1	Status
i)	Slum Development	Rs. 335.70 Lakh	1.	Fitness path near slum population.	163.00	Tender to be processed
			2.	Supply, installation, testing and commissioning of total 164 no. of Solar Street Lighting System in Slums	62.70	Tender to be processed
			3.	Augmentation of Oxidation Ponds for treatment of sewage from Slums in Sector-14.	110.00	1- Oxidation pond 1 & 2 have been cleaned & about 26000 cbm sludge have been removed . 2- The flow meter fixing at the outlet of the oxidation pond is in progress .
			4.	Total	335.70	
ii)	Peripheral Development	Rs. 165.00 Lakh	1. Infrastructure Development :			
			a. Additional Class rooms in schools = Rs. 40 Lakh			
			b. Solar Street lights = Rs. 80 Lakh			
			2. Water & Sanitation : = Rs. 45 Lakh			
			a. Provision of solar based drinking Water systems			
			Total = Rs. 165 Lakh			
Execution Status :						
			SN	Name of work	Sanctioned Amount (Rs. Lakh.)	Status
			1	Construction of class rooms in peripheral villages	40	To be processed after class room proposal of Phase-V completed.
			2	Provision of solar street lights in peripheral villages	80	Completed.
			3	Solar based drinking water system in peripheral villages	45	Estimate stage.
			4	Total	165	
<b>Total</b>		<b>Rs. 500.70 Lakh</b>				