

BY SPEED
POST



Steel Authority of India Limited

Rourkela Steel Plant

Rourkela – 769011

Fax : 0661-2510183

Ref. No. : 691/EE/59/311

Date : 15/11/2022.

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 mef.or@nic.in

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

Environmental Engg. Department, 1st Floor of OHSC Building, Rourkela Steel Plant, Rourkela

Phone : 0661-2510395 Fax : 0661-2510183

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)

Action Plan for Compliance to EC Conditions

Contact Person : Sri P C Dash, GM I/c (Env. Engg.) Phone : 0661-2447258 ; 8895500627
(25/02/2022)

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.	Being complied.												
ii)	The specific water consumption shall not be more than 3.6 m ³ /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 ³ /TCS during 2020-21 itself. The Sp. Water consumption of Apr-Sept., 2022 is 3.193 m ³ /TCS.												
iii)	The specific energy consumption shall be reduced by 10% below 2017-18 value.	<p>The Sp. Energy Consumption during 2017-18 is 6.33 Gcal/TCS. The target i.e., 10% less than 2017-18 level is 5.700 Gcal/TCS.</p> <p>RSP has planned actions to reduce energy consumption to achieve the targeted 5.700 Gcal/TCS by 2024-25 as given below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Year →</th> <th>2021-22</th> <th>2022-23</th> <th>2023-24</th> <th>2024-25</th> <th>2025-26</th> </tr> </thead> <tbody> <tr> <td>Plan →</td> <td>6.10</td> <td>6.00</td> <td>5.91</td> <td>5.82</td> <td>5.70</td> </tr> </tbody> </table> <p>The Sp. Energy consumption during April –Sept., 2022 is 6.07 GCal/TCS.</p>	Year →	2021-22	2022-23	2023-24	2024-25	2025-26	Plan →	6.10	6.00	5.91	5.82	5.70
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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"> 1. The financial sanction for project for which EC was granted on 06/11/2019 was obtained and LOA placed on 14/01/2022. 2. However, RSP is going a head with enhancement of Green Cover every year by planting trees through DFO, Rourkela Forest Division, Govt. of Odisha. 3. The present greenbelt area is 30.42% (~Area =521.62 Ha.). 4. The target given by MoEFCC is 35% (~Area = 600.16 Ha.). 5. The balance green belt to be developed is 4.58% (~ Area = 78.54 Ha.). 6. Present undergoing Plantation during 2021-22 through DFO, Rourkela Division @1500 samplings/Ha = 1 Lakh (~ Area = 66.67 Ha.) 7. The plantation plan for 35% green belt; <ol style="list-style-type: none"> a. Balance area to be planted for achieving target of 35% = 78.54 Ha. - 66.67 Ha. = 11.87 Ha. b. No. of saplings to be planted @ 1500 no./Ha. = 17,805 no. c. The balance plantation will be done immediately after completion of the present plantation by DFO, Rourkela.
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. RSP has sanctioned to install a Bio-digester in RSP's 675 bedded Ispat General hospital premises by 2022-23.
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 & other solar power generation potential in RSP & 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"> 1. RSP has already installed 1 MW Solar Power Plant inside plant premises and is in operation. 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 2024-25. 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.

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		<p>4. RSP is planning 5 MW ground mounted Solar PV system in Steel Township. This project is planned to be executed through SECI.</p> <p>5. RSP is also planning to take up another 40 MW ground mounted Solar PV system on EPC basis for which in-house consultant CET-SAIL is preparing the Feasibility Report.</p>
vii)	Emissions from the bag filter attached to LHF shall not be more than 30 mg/Nm ³ .	Design norm of 30 mg/Nm ³ 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																				
i)	Slum Development	Rs. 335.70 Lakh	<table border="1"> <thead> <tr> <th>SN.</th> <th>Name of Work</th> <th>Phase-1</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Fitness path near slum population – a measure towards Covid-19 Pandemic.</td> <td>163.00</td> <td>Tender to be processed</td> </tr> <tr> <td>2.</td> <td>Supply, installation, testing and commissioning of total 164 no. of Solar Street Lighting System in Slums</td> <td>62.70</td> <td>Tender to be processed</td> </tr> <tr> <td>3.</td> <td>Augmentation of Oxidation Ponds for treatment of sewage from Slums in Sector-14.</td> <td>110.00</td> <td>PR raised under tendering.</td> </tr> <tr> <td>4.</td> <td>Total</td> <td>335.70</td> <td></td> </tr> </tbody> </table>	SN.	Name of Work	Phase-1	Status	1.	Fitness path near slum population – a measure towards Covid-19 Pandemic.	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	PR raised under tendering.	4.	Total	335.70	
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ii)	Peripheral Development	Rs. 165.00 Lakh	<p>1. Infrastructure Development :</p> <p>a. Additional Class rooms in schools = Rs. 40 Lakh</p> <p>b. Solar Street lights = Rs. 80 Lakh</p> <p>2. Water & Sanitation : = Rs. 45 Lakh</p> <p>a. Provision of solar based drinking Water systems</p> <p>Total = Rs. 165 Lakh</p> <p>Execution Status :</p> <table border="1"> <thead> <tr> <th>SN</th> <th>Name of work</th> <th>Sanctioned Amount (Rs. Lakh.)</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Construction of class rooms in peripheral villages</td> <td>40</td> <td>Survey in progress</td> </tr> <tr> <td>2</td> <td>Provision of solar street lights in peripheral villages</td> <td>80</td> <td>Sent for tendering to Cont.cell</td> </tr> <tr> <td>3</td> <td>Solar based drinking water system in peripheral villages</td> <td>45</td> <td>Survey in progress</td> </tr> <tr> <td>4</td> <td>Total</td> <td>165</td> <td></td> </tr> </tbody> </table>	SN	Name of work	Sanctioned Amount (Rs. Lakh.)	Status	1	Construction of class rooms in peripheral villages	40	Survey in progress	2	Provision of solar street lights in peripheral villages	80	Sent for tendering to Cont.cell	3	Solar based drinking water system in peripheral villages	45	Survey in progress	4	Total	165	
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