

(4)
Amendment- 2019 EC
@ 2022
Flag-B-2

F. No. IA-J-11011/28/2007-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
JorBagh Road, Aliganj,
New Delhi – 110003

E-mail: r.sundar@nic.in
Tel: 011-20819378

Dated: 28th April, 2022

To

Smt. Uma Katoch,
Deputy General Manager,
M/s Steel Authority of India Limited,
Ispat Bhawan, Bhilai Steel Plant
Chhattisgarh – 490001
Email: bspenvironment@sail-bhilaisteel.com; Tel: No. 9407981777

Subject: Revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant by **M/s Steel Authority of India Limited (SAIL)** located at Bhilai, District **Durg, Chhattisgarh– Amendment in Environment Clearance – regarding.**

Sir,

This has reference to online application I.M/s. Steel Authority of India Limited (SAIL) has made online application vide proposal no. IA/CG/IND/260774/2022 dated 11/03/2022 along with addendum EIA/EMP report, and Form 4 seeking amendment in the Environment Clearance accorded by the Ministry vide letter no. J-11011/28/2007-IA-II(I) dated 24/05/2019 under the provisions of the EIA Notification, 2006 for the project mentioned above.

2. The proposal cited above was considered in the 2nd meeting of Expert Appraisal Committee (industry-I sector) held on 22-23rd March, 2022. The EAC proceeding of said meeting is furnished as below.

Details submitted by Project proponent

3. The existing project of M/s. SAIL was granted environmental clearance from Ministry vide letter no. J-11011/28/2007-IA-II(I) dated 24/05/2019 for Revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant at Bhilai, District Durg, Chhattisgarh.
4. As mentioned in the said EC, the older production units BF-1, SMS1, BBM & RMP-1 are to be phased-out gradually within three years from the grant of EC. It was envisaged by M/s. SAIL BSP that the above units are required to be in operation till the stabilization of new units like BF-8, SMS-III installed under expansion plan there by meeting the hot metal, flux & steel requirements of Steel making units & rolling mills. As per the configuration envisaged in the EC, BSP has phased-out the older production units SMS-1 & BBM by March-2021, earlier than permitted period. During the period i.e., from 2019 to 2022, BSP planned sequential capital repairs of BF-4, 5, 6 & the three kilns of RMP-II, to maintain the health of the furnaces and kilns for sustained production. As per the EC configuration, BSP also planned to phase-out Blast Furnace-1 & Refractory Material Plant-1 by May-2022.

O/C

Amendment Sought in EC dated 24/05/2019:

5. The present proposal of M/s. SAIL is for seeking amendment in EC for extension of time period for operation of BF-1 and RMP-1 for another three years i.e. up to May, 2025 as sequential capital repair of BF-6 could not be taken-up due to restrictions imposed owing to the COVID-19 pandemic. Travel restriction of foreign experts, restricts in import of carbon blocks and some other spares from border sharing countries (China and other countries) as per GoI guidelines, led to adding further delay in carrying out the repairs.
6. The implementation status of the proposed units envisaged in the EC dated 24/05/2019 along with the amendment sought is given as below:

SN.	Units	As per EC dated 24/05/2019		Amendment sought as per present proposal	Remarks
		1st Three years	After Three Years		
A	Blast Furnace				
1	BF 1 with CDI (1033 m ³) in operation for three years for undertaking sequential capital repair of BF 4,5 & 6 along with stabilization of BF 8	BF 1 with CDI (1033 m ³) in operation for three years.	Phased out	Will be in operation for another 3 years to sustain production till May'2025.*	Time extension for another three years for operation of BF-1 to sustain production during repairs of capital repairs of BF-6 and other repairs of BF-4,5,7. Sequential capital repair of BF-6 could not be taken-up due to restrictions imposed owing to the COVID-19 pandemic. Travel restriction of foreign experts, restricts in import of carbon blocks and some other spares from border sharing countries (China and other countries) as per GoI guidelines, led to adding further delay in carrying out the repairs.
	BF 2 with TIS (1033 m ³) - Phased Out	Phased Out	Phased Out	No Change	Phased Out
	BF 3 with TIS (1033 m ³) - Phased Out	Phased Out	Phased Out	No Change	Phased Out
	BF 4, 1719 m ³ Capital Repair	BF 4, 1719 m ³	BF 4, 1719 m ³	No Change	Considering the limited repairs carried out in Blast furnaces-4 & 5 during the COVID period, there will be requirement of further repairs of BF-4 to maintain the health and sustain production after the capital repairs of BF-6. These repairs are likely to be completed by May-2025.

SN.	Units	As per EC dated 24/05/2019		Amendment sought as per present proposal	Remarks
		1st Three years	After Three Years		
	BF 5, 1719 m ³ Capital Repair	BF 5, 1719 m ³	BF 5, 1719 m ³	No Change	Considering the limited repairs carried out in Blast furnaces-5 during the COVID period, there will be requirement of further repairs of BF- 5 to maintain the health and sustain production after the capital repairs of BF-6. These repairs are likely to be completed by May-2025.
	BF 6, 1719 m ³ Capital Repair	BF 6, 1719 m ³	BF 6, 1719 m ³	No Change	Capital Repair planned in 2022-2023 (Oct'2022 to Sep'2023)
	BF 7, 2363 m ³	BF 7, 2363 m ³	BF 7, 2363 m ³	No Change	-
	BF 8, 4060 m ³ with TRT	BF 8, 4060 m ³ with TRT	BF 8, 4060 m ³ with TRT	No Change	-
	Total Hot Metal = 7.5 Million Tonnes Per Annum			No Change	-
<i>* Production as per EC 2019 is 7.5 Million tonnes per annum of Hot Metal. Yearly Hot metal production will not exceed is 7.5 Million tonnes</i>					
B	RMPs				
	RMP I in operation alongwith SMS-I for three years till stabilization of SMS III & BF 8	RMP I in operation for three years	-	Will be in operation for another 3 years to sustain production till May'2025. (Will be operated intermittently to meet the shortfall in flux supply from RMP-2 during repairs of the kilns)**	Request for time extension for operation of RMP-1 to sustain production during repairs of kilns at RMP-2
	RMP - II • 2x 330 TPD + 1 x 144 TPD Lime kiln	RMP-II • 2x 330 TPD + 1 x 144 TPD Lime kiln	RMP-II • 2x 330 TPD + 1 x 144 TPD Lime kiln	No Change	-
	RMP III 5x450 TPD lime and dolo kiln for SMS-III	RMP III 5x450 TPD lime and dolo kiln for SMS-III	RMP III 5x450 TPD lime and dolo kiln for SMS-III	No Change	-
	Refractory Material = 1.58 MTPA			No Change	-
<i>**Production as per EC 2019 is 1.58 Million tonnes per annum of Refractory Material. Yearly production will not exceed is 1.58 Million tonnes</i>					

7. The various environmental projects under EMP being implemented at BSP for reduction of emissions are
- Replacement of Multi-cyclones (wet scrubbers) by ESPs at Sinter Plant-II for control of Stack emission.
 - ESP based de-dusting system at SP-II for work-zone/fugitive emission control

- c. Up-gradation of waste gas ESP of M/c-1 of SP-III for control of Stack emission.
 - d. Cast house De-fuming system in Blast Furnace-7 for control of work-zone emissions in cast house
 - e. Replacement of wet scrubbers with Bag-filters at RMP-II for control of Stack emissions
 - f. Installation of secondary Emission control system/Dog-House for Convertors at Steel Melting Shop-II
8. PP has reported that green belt developed within and around the BSP project area is 1840 ha with about 4,412,182 trees planted up to 2021. Greenbelt along plant boundary (in available space) has already been developed, which will be further re-strengthened. Local and native species are planted with a density of 2500 trees per hectare. In the next five years for further strengthening the green cover / plantation in BSP project area and in surrounding about 50000 saplings will be planted and nurtured in a surrounding area.
 9. It has been reported by PP that, there is no violation under EIA Notification, 2006/court case/show cause/direction related to the project under consideration.
 10. During the meeting, project proponent submitted written submission on the following points:
 - a. The total Hot metal production from Blast Furnaces shall not exceed 7.5 Million tons/Annum as per the existing Environmental clearance
 - b. The total flux production from RMPs shall not exceed 1.58 Million tons/Annum as per the existing Environmental Clearance
 - c. The emissions from these units shall not exceed the prescribed stack emission norms of 50 mg/Nm³.

Observations of the Committee

8. The Committee noted the following:
 - i. M/s. SAIL has obtained environmental clearance from Ministry vide letter dated 24/05/2019 for Revised configuration of modernization-cum-expansion of 7.0 MTPA Bhilai Steel Plant at Bhilai, District Durg, Chhattisgarh.
 - ii. In the instant proposal M/s. SAIL requested to ministry for extension of time period to operate BF-1 and RMP-1 for another three years (i.e. up to May, 2025) as mentioned at para. 6 above.
 - iii. The EAC deliberated on the written submissions submitted by the proponent and found it satisfactory.

Recommendations of the Committee

9. In view of the foregoing and after detailed deliberations, the committee recommended for amendment in EC dated 24/05/2019 as mentioned at para.6 above with following additional specific conditions. All other terms and condition shall remain the same as mentioned in EC letter no. J-11011/28/2007-IA-II(I) dated 24/05/2019.
 - i. PP shall not exceed the overall capacity of Blast furnaces i.e.7.5 MTPA and Refractory Material Plant i.e. 1.58 MTPA as mentioned in EC dated 24/05/2019.
 - ii. Emissions from BF- 1 and RMP-1 units shall not exceed the prescribed stack emission norms.

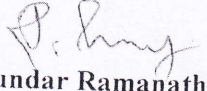
Decision of MoEF&CC

10. The undersigned is directed to inform that Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1) hereby decided for

amendment in the conditions of EC dated 24/05/2019 as mentioned in table at paragraph no. 9 above.

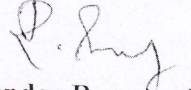
11. All other terms and conditions mentioned in the Environment Clearance letter number. AI-J-11011/28/2007-IA-II(I) dated 24/05/2019 shall remain unchanged.
12. The project proponent shall obtain fresh Environment Clearance in case of change in scope of the project if any.
13. This issues with the approval of the Competent Authority.

Yours faithfully,


(Sundar Ramanathan)
Scientist 'E'

Copy to: -

1. Secretary, Department of Environment, Government of Chhattisgarh.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum office complex, East Arjun Nagar, Delhi-110032.
3. Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur, Chhattisgarh.
4. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Aranya Bhawan, North Block, Sector-19 Naya Raipur, Atal Nagar, Chhattisgarh - 492002.
5. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
6. Chief Wildlife Warden, Govt. of Chattisgarh, Aranya Bhavan, Jail Road, Fafadih Chowk, Raipur - 492001.
7. District Collector, Durg, District, Chhattisgarh.
8. Guard File/Record File/Monitoring File.
9. MoEF&CC website.


(Sundar Ramanathan)
Scientist 'E'