

F. No. J-11011/201/2013-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

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Dated: 29th April, 2020

To

Shri Deepak Kumar Aggarwal,
Director,
M/s. Shakambhari Ispat and Power Limited,
Village Pavatpur, Radhamadhampur,
Madandih, PO – Bortoria,
District Purulia, West Bengal.

Subject: Expansion of Integrated Steel Plant (from existing 0.074 MTPA Steel Billets to 0.3 MTPA Rolled products and 0.2 MTPA Billet) with captive power plant of 99 MW [65 MW (6 MW existing + 59 MW proposed) from AFBC and 34 MW (6 MW existing + 28 MW proposed) from WHRB] of **M/s. Shakambhari Ispat and Power Limited** located at Village Pavatpur, Radhamadhampur, Madandih, PO–Bortoria, District Purulia, West Bengal – **Amendment in Environmental Clearance –reg.**

Sir,

This refers to the application of M/s. Shakambhari Ispat and Power Limited made vide online proposal no. IA/WB/IND/48189/2014 dated 30th November, 2018 seeking amendment in the environmental clearance accorded by the MoEF&CC, New Delhi on 21st December, 2016 vide letter No. J-11011/201/2013-IA II(I) accorded for expansion of Integrated Steel Plant (from existing 0.074 MTPA Steel Billets to 0.3 MTPA Rolled products and 0.2 MTPA Billet) with captive power plant of 99 MW [65 MW (6 MW existing + 59 MW proposed) from AFBC and 34 MW (6 MW existing + 28 MW proposed) from WHRB] located at Village Pavatpur, Radhamadhampur, Madandih, PO–Bortoria, District Purulia, West Bengal.

The proposal cited above was considered during the 3rd meeting of Reconstituted Expert Appraisal Committee [REAC] (Industry-I) held on 9-11th January, 2019. The EAC proceedings of the proposal cited above is given as below. .

Details submitted by the project proponent:

2.0 M/s Shakambhari Ispat & Power Limited has implemented some of the facilities and some of the facilities are yet to be implemented. It is proposed to change some of the configuration without increasing the overall production capacities.

3.0 The units / capacities for which Environmental clearance has been accorded from MoEF&CC, the implemented units, the units not implemented along with amendment required for units, are presented below:

Sl. No.	Facilities	Capacities as per EC letter No. J-11011/201/2013-IAII(I) dated 21.12.2016		Existing Status		Amendment Required (Final Configuration)		Remarks
		Configuration	Production	Implemented capacities	Unit not yet Implemented	Configuration	Production	
1	Induction Furnace with Caster	1x8 T 2X15 T 2x12 T 2x35T 4x25T	5,23,950 TPA	1x8T 2X15 T 2x12T 2x25T	2x25T 2x35T	9x25 T	5,23,950 TPA	5x25T Induction Furnaces shall be installed by replacing already implemented 1x8T, 2x12T, 2X15 T and by revising 2x35T capacity furnaces, which is yet to be implemented. Total number of units reduced from 11 to 9.
		232 T		112 T				
2	Sponge Iron / DRI with Pre-Heater	3x100 TPD 4x350 TPD	5,44,000 TPA	3x100 TPD, 2x350 TPD	2x350 TPD	3x100 TPD, 2x350 TPD, 1x600 TPD, 1X100 TPD	5,44,000 TPA	1x600 TPD and 1x100 TPD DRI Kiln shall be installed instead of 2x350 TPD DRI Kilns (not yet implemented) to achieve better productivity, high steam generation, less land & water
		1700 TPD		1000 TPD				

Sl. No.	Facilities	Capacities as per EC letter No. J-11011/201/2013-IAII(I) dated 21.12.2016		Existing Status		Amendment Required (Final Configuration)		Remarks
		Configuration	Production	Implemented capacities	Unit not yet Implemented	Configuration	Production	
3	AFBC / CFBC	65 MW	65 MW	32 MW	33 MW	62 MW	62 MW	Capacity of AFBC/CFBC reduced from 65 MW to 62 MW. Capacity of WHRB increased from 34 MW to 37 MW due to improved steam generation from proposed combination of (1x600TPD +1x100 TPD) DRI.
	WHRB	34 MW	34 MW	20 MW	14 MW	37 MW	37 MW	
	TOTAL CPP	99 MW		52 MW	47 MW	99 MW		
4.	Ferro Alloy Plant	2x12 MVA 2x12 MVA	FeMn-36,608T PA SiMn-26,542 TPA	-	2x12 MVA 2x12 MVA	4x9 MVA FeMn / SiMn / FeCr/ FeSi /Pig Iron	63150 TPA	Size of each SAF is reduced from 12 MVA to 9MVA, thereby reducing the total installed capacity from 48MVA to 36 MVA.
		4X12 MVA	63150 TPA		4X12 MVA		63150 TPA	
5.	Rolling Mill	1000 TPD	3,00,000 TPA	600 TPD	400 TPD	1000 TPD	3,00,000 TPA	No Change
6	Coal Washer y	0.74 MTPA	Clean Coal-0.33MTPA	-	0.74 MTPA	0.74 MTPA	Clean Coal-0.33MTPA	

Sl. No.	Facilities	Capacities as per EC letter No. J-11011/201/2013-IAII(I) dated 21.12.2016		Existing Status		Amendment Required (Final Configuration)		Remarks
		Configuration	Production	Implemented capacities	Unit not yet Implemented	Configuration	Production	
7	Iron Ore Beneficiation	0.63 MTPA	Beneficiated IO-0.394 MTPA Tailings - 0.236 MTPA	-	0.63 MTPA	0.63 MTPA	Beneficiated IO-0.394 MTPA Tailings - 0.236 MTPA	
8	Sinter Plant	1x20 m ²	1,98,000 TPA	-	1x20 m ²	1x20 m ²	1,98,000 TPA	
9	Pellet Plant	1x1870 TPD	5,82,000 TPA	-	1x1870 TPD	1x1870 TPD	5,82,000 TPA	
10	MBF	1x350 m ³	2,49,900 TPA	-	1x350 m ³	1x350 m ³	2,49,900 TPA	
11	Oxygen Plant	225 m ³	-	-	225 m ³	225 m ³	-	
12	Lime Plant	250 TPD	80,000 TPA	-	250 TPD	250 TPD	80,000 TPA	

- 4.0 The salient features of the amendment proposal are as follows,
- ✓ Overall coal consumption shall be reduced by 38,160 TPA resulting in reduced pollution load.
 - ✓ Overall Dust load shall be reduced by 11,515 kg/annum
 - ✓ Land requirement shall be reduced by 2.25 acres.
 - ✓ Power generation shall be increased by 3 MW through WHRB and reducing same through CFBC Boiler.
 - ✓ Rolling Mill based on direct charging of hot Billets. No Reheating Furnace.
 - ✓ DRI Dolochar shall be 100% consumed in the Power Plant. Other iron bearing dust and mill scales shall be consumed in Sinter Plant.

5.0 EIA Consultant: M/s. Envirotech East Pvt. Ltd., NABET Accreditation as per QCI NABET list of 17th December, 2018.

Observations of the committee:

6.0 The committee observed that the overall production capacity will remain unchanged and the larger configuration will reduce the pollution load.

Recommendations of the committee:

7.0 After detailed deliberations, the committee recommended for amendment in the configuration as proposed in the table given at paragraph 3 above.

8.0 The Ministry of Environment, Forest and Climate Change (MoEF&CC) has considered the aforesaid proposal based on the recommendations of the Expert Appraisal Committee (Industry 1) and hereby decided to grant amendment in the EC dated 21/12/2016 as mentioned in the table given at paragraph 3 above subject to the following additional condition:

- i. An affidavit ensuring compliance to the non-compliances/partial compliances reported in the monitoring report of the Regional Office dated 18/02/2019 shall be submitted to the Ministry and to the Regional Office of the Ministry at Bhubaneswar within three months from date of issue of this letter.

9.0 All other terms and conditions mentioned in the earlier EC letter no. J-11011/201/2013-IA.II(I) dated 21/12/2016 shall remain unchanged.

10.0 The PP shall obtain fresh environmental clearance in case of change in scope of the project if any.

This issues with the approval of Competent Authority.

Yours faithfully,


(A.K. Agrawal)
Director

Copy to:-

1. Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
2. Deputy Director General (Central), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharpur, Bhubneswar-751 023.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
4. Chairman, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector -III, Salt Lake City, Kolkatta – 700 098.
5. Member Secretary, Central Ground Water Authority, West Block -II, Wing -3, Sector I, R.K.Puram, New Delhi – 110086.
6. District Collector, Purulia District, State of West Bengal.
7. Guard File / Record file / Monitoring file.
8. MOEF&CC Website.


(A.K. Agrawal)
Director