



State Level Environment Impact Assessment Authority, Jharkhand
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Letter No.- EC/SEIAA/2020-21/2164/2020/

Ranchi, Date:

To,

Sri Gunwant Singh Saluja (CMD)
M/s Mongia Steel Limited
P.O. – Burhiadih, Tundi Road,
District – Giridih,
Jharkhand – 815302.

Corrigendum

Sub: Corrigendum of Environmental Clearance for the project “**Expansion & Modernization Project of M/s Mongia Steel Ltd., Mouza : Dandidih (Burhiadih), Tehsil & Dist. : Giridih, Jharkhand (Proposal No. SIA/JH/IND/36503/2019) – regarding.**

Ref: Your Letter no. MSL/2021-22/EC/79, dated – 18.08.2021.

Sir,

1. This is in continuation of Environmental Clearance issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.- EC/SEIAA/2020-21/2164/2020/68, Ranchi. Date: 15.07.2021 and further reference to your letter dated – 18.08.2021 requesting for corrigendum of Environmental Clearance with regard to change of **Final Configuration of production capacity after expansion** in place of **Raw Material Required**.

2. The State Level Environment Impact Assessment Authority (SEIAA), Jharkhand has accorded the Environmental Clearance by this office letter no.- EC/SEIAA/2020-21/2164/2020/68, Ranchi. Dated: 15.07.2021 for “**Expansion & Modernization Project of M/s Mongia Steel Ltd., Mouza : Dandidih (Burhiadih), Tehsil & Dist. : Giridih, Jharkhand**”. The project proponent has requested to issue the corrigendum in Environmental Clearance w.r.t. change of **Final Configuration of production capacity after expansion** in place of **Raw Material Required**.

3. Your request has been examined by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its 92nd meeting held on 20th, 21st & 22nd September, 2021, based on the information furnished/provided and discussion held, the State Level Expert Appraisal Committee, (SEAC) recommended to issue Corrigendum of earlier Environmental Clearance vide its 90th meeting held on 14th, 15th, 16th, 17th and 18th September, 2021 as the following:-

“The proposed expansion project of M/s Mongia Steel Limited is located at Mouza Dandidih (Burhiadih), District Giridih, Jharkhand initially applied in the SEIAA SEAC, Jharkhand on 03.09.2019 for obtaining Terms of Reference (ToR) as per EIA Notification, 2006. The State Expert Appraisal Committee, Jharkhand deliberated the project during its

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78th meeting held on 19th September, 2019 and SEIAA, Jharkhand has approved the ToRs in its meeting held on 25th September 2019. TOR for the project was issued by SEIAA, Jharkhand vide letter no. 545, date 09.10.2019. The final EIA EMP submitted by PP to SEIAA on 17.06.2021 and which was forwarded to SEAC on 18.06.2021.

The company was set up in the year 1996 initially, after obtaining NOC from Bihar State Pollution Control Board on 18.07.1996 for setting up of steel plant for production of 50 TPD Billets and 10 TPD TMT Bars. In the year 2011, the company changed its name from Mongia Hi-Tech Pvt. Ltd to Mongia Steel Limited after necessary amendment in the Registrar of Companies (ROC). Further expansion was carried out after obtaining Environment Clearance from SEIAA, Jharkhand vide letter No. EC/SEIAA/2014-2015/569/2014/310 dated 13.12.2018 and subsequent CTE granted by JSPCB vide No JSPCB/HO/RNC/CTE-3579450/2019/294 dated 01.05.2019 for production of 240 TPD TMT Bars and 60 TPD Pipes & shutter strips.

The proposed expansion project of Mongia Steel Limited is envisaged for capacity expansion for production of TMT Bars from 72,000 TPA to 277,200 TPA and Pipes, shutter strips, angles, channels from 18000 TPA to 99000 TPA by installing additional facilities of 2x15 T and 3x20 T Induction furnace with CCM and 600 TPD Rolling mill. The existing unit of Strip mill will be enhanced in capacity from 60 to 300 TPD. The existing Induction furnace of 2x15 Tons and TMT Bar Mill of 240 TPD will continue to operate along with proposed units. The total working days will be increased from 300 to 330 days. Additionally, 66000 TPA capacity Slag Crusher unit shall also be installed. The proposed capacity for different products for site are as below:

Final configuration of production capacity – after expansion

Plant	Existing			Proposed (Total after the proposed expansion)		
	Unit	Days of Operation	Capacity TPA	Unit	Days of Operation	Capacity TPA
Steel Melting Shop Induction Furnace with Continuous Casting Machine (CCM)	2x15 Ton	300	90000	2x15 Ton (Existing) 2x15 Ton 3x20 Ton	330	396000
Producer Gas plant	1	300	9,000 Nm ³ /hr-	No Producer Gas Plant (Existing unit to be dismantled and removed)		
Reheating Furnace	1x30 TPH	300	90000	No Re-heating Furnace unit (Existing unit to be dismantled and removed)		
Rolling Mill TMT Bar Mill – 1	240 TPD	300	72000	240 TPD	330	79,200
TMT Bar Mill – 2	--	--	--	600 TPD	330	198,000

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Plant	Existing			Proposed (Total after the proposed expansion)		
	Unit	Days of Operation	Capacity TPA	Unit	Days of Operation	Capacity TPA
Strips Mill (Pipes. Shutter strips. angles. Channels etc)	60 TPD	300	18000	300 TPD	330	99.000
Slag Crusher Unit	--	--	--	2x100 TPD	330	66000 (Metal Recovery – 3300 TPA)

No additional land shall be acquired for the project and the entire project shall be installed within existing plant area of 12.67 ha. No forestland is involved. It has been reported that no water body/ water body exist at the project site and modification/diversion in the existing natural drainage pattern at any stage has not been proposed.

The topography of the area is Gently undulating and reported to lies between 24.15722 to 23.16083 Latitude and 86.32430 to 86.32861 E Longitude in Survey of India Topo sheet 72 L/4 & 72 L/8 at an elevation of 312 m AMSL. The ground water table is reported in ranges between 4.82 to 6.21 mbgl during the post-monsoon season and 8.20 to 9.80 mbgl during the pre-monsoon season.

The process of project showing the basic raw material used and the various processes involved to produce the final output, waste generated in process.

Basic Raw Material Used

Raw Materials	Total Raw materials required After Expansion	Storage	Source	Transportation by Road (km)
Induction Furnace (Total after expansion: 396,000 TPA)				
Sponge Iron	316.800 TPA	Shed	Local Plants in Giridih through Road	5 km
Pig Iron	99.000 TPA	Shed		5 km
Scrap	47.520 TPA	Shed	In-house & nearby plants through Road	250 km
Ferro Alloys (SiMn FeSi)	792 TPA	Drums	Local Plants in Giridih through Road	110 km
Total	464,112	-	-	-
Billet Caster (Total after expansion: 388,235 TPA)				
Liquid Steel	396.000	-	In house	-
Rolling Mill – TMT Bars (Total after expansion: 277,200 TPA)				

Hot Billets	282,720	-	In-house - Hot Billets direct charging
Strips Mill- Shutter strips, channels etc. (Total after expansion: 99,000 TPA)			
Hot Billets	100,800	-	In-house - Hot Billets direct charging

Process involved

TMT bars and steel Strips production through Induction Furnace, Billet Caster, Rolling Mill and Strip Mill. Slag Crushing plant of 2x100 TPD is also proposed to be installed for metal recovery of the slag.

Waste Generated in the proposed project

Units	Solid Wastes	Total Qty In TPA	Disposal practice
Induction Furnace	Slag	28380	After Metal extraction of slag it will be supplied to our sister concern M's Santpuria Alloys Pvt. Ltd. unit II for fly ash bricks manufacturing.
TMT Bar Mill & Strips Mill	Mill Scale	5260	Recycled in-house along with scrap in the induction furnace.
Bag Filter Dust from process	Dust from process	2850	Partly recycled (metal content). Rest supplied to our sister concern M's Santpuria Alloys Pvt Ltd. unit II for fly ash bricks manufacturing.

The targeted saleable capacities of TMT Bars and Steel Strips (Shutter Strip, Channels, Pipes, angles) are 277200 and 99000 TPA respectively. The raw material transportation will be done through road only.

The water requirement of the project is estimated as 120 m³/day requirement will be obtained through Ground water. The permission for drawl of water will be obtained from CGWA.

The power requirement of the project is estimated 40 MVA out of which shall be supplied through Damodar Valley Corporation. Existing power demand is 18 MVA.

Baseline Environmental Studies were conducted during Winter Season i.e. from 01.12.2019 to 29.02.2020. Ambient air quality monitoring has been carried out at 8 locations during study period indicates: PM₁₀ (40.8 to 82.1 µg m⁻³), PM_{2.5} (18.0 to 49.8 µg m⁻³), SO₂ (8.1 to 26.9 µg m⁻³) and NO_x (11.6 to 39.4 µg m⁻³). The results of the modeling study indicate that the maximum increase of GLC for the proposed project is 1.46 µg m⁻³ with respect to the PM₁₀, 0.61 µg m⁻³ with respect to PM_{2.5}, 0.58 µg m⁻³ with respect to SO₂ and 0.44 µg m⁻³ with respect to the NO_x.

Ground water quality has been monitored in 8 locations in the study area and analyzed. pH: 7.15 to 8.01, Total Hardness: 185 to 235.1 mg/l, Chlorides: 50 to 61 mg/l, Fluoride:

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0.22 to 0.38 mg/l. Heavy metals are within the limits. Surface water samples were analyzed from 8 locations. pH: 7.36 to 7.72, DO: 4.80 to 5.96 mg/l, BOD: 6.0 to 13.0 mg/l and COD from 18 to 41 mg/l.

Noise levels are in the range of 47.62 to 71.60 dB (A) for day time and 38.10 to 67.43 dB (A) for night time. No R&R is involved as no land has been acquired for the project.

It has been reported that the latest Consent to Operate from the Jharkhand State Pollution Control Board was obtained vide Lr. No. JSPCB HO RNC CTO-8002611 2020 1612 dated 30.09.2020 and consent is valid up to 30.06.2021.

Public hearing is a very significant part of the process of public participation envisaged under guidelines issued by MoEF&CC, Government of India. It facilitates involvement of all the stake holders of the project which is essential for ensuring smooth running of project and benefitting all section of society in the process of economic development of the region. The public hearing for Mongia Steel Limited is exempted as per ToR issued by SEIAA, Jharkhand. Since the Public hearing was conducted on 26.03.2017 which is below 3 years as per MoEFCC OM dated 29.08.2017. An amount of Rs 68.5 Lakhs (1% of Project cost) has been earmarked for CER based on public hearing / Socio-economic issues.

The capital cost of the proposed project is Rs 68.48 Crores and the capital cost for environmental management is proposed as Rs 208 Lakhs. The annual recurring cost towards the environmental management is proposed as Rs 30.50 Lakhs/year. An amount of Rs 68.5 Lakhs (1% of Project cost) has been earmarked for CER based on previous public hearing issues and need based assessment. The employment generation from the proposed project of expansion is 172.

Green Belt will be developed over 33% of the plant area. Indigenous trees will be planted in 4.18 Ha. out of the total area of 12.67 Ha. Existing green belt area is 0.433 Ha and about 985 No. of trees are planted in the area. An additional land of 3.64 Ha. has also been developed as greenbelt with around 4000 trees planted. Tree density of 1600 trees per hectare with local board leaf specification will be planted in future after expansion. A 10 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB/MoEF&CC, New Delhi guidelines. Local and native species will be planted with a density of 1600 trees per hectare.

The proponent has mentioned that there is no court case or violation under EIA Notification to the project or related activity".

4. All other terms & conditions mentioned in the earlier Environmental Clearance letter no EC/SEIAA/2020-21/2164/2020/68. Ranchi. Date: 15.07.2021 shall remain the same.

5. This issues with the approval of competent Authority.

Yours Sincerely,

Sd/-

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand

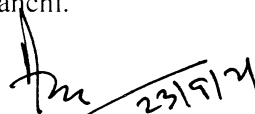


Memo No: EC SEIAA 2020-21/2164/2020 162

Ranchi, Date: 23/09/2021

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, Giridih, District - Giridih, Jharkhand.
3. Divisional Forest Officer, Giridih East Forest Division, Giridih, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Bunglow No. A-2, Shyamli Colony, Ranchi – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.


23/9/21
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand



