



**F.No.J-11015/259/2012-IA-II(M)**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**IA Division**

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Indira Paryavaran Bhawan  
Jor Bagh Road, Aliganj  
New Delhi-110003

Date: 16<sup>th</sup> October, 2020

To,

M/s. Hindustan Zinc Limited  
Yashad Bhawan, Girwa  
Udaipur-313 004  
Rajasthan

**Sub: Environmental Clearance under para 7(ii) of EIA notification 2006 for expansion of Zawar Group of underground lead- zinc mines of M/s Hindustan Zinc Limited proposed expansion from 4.0 MTPA to 4.8 MTPA zinc ore and expansion in beneficiation plant from 4.0 Million TPA to 4.8 MTPA from the mine lease area of 3620 ha (ML No.03/89) located at village Zawar Tehsil Girwa and Sarada, District Udaipur, Rajasthan- reg.**

Sir,

This has reference to proposal No. IA/ RJ/MIN/165786/2020 for Environmental Clearance (EC) under para 7(ii) of EIA notification 2006 for mining of M/s. Hindustan Zinc Limited is for expansion from 4.0 MTPA to 4.8 MTPA Zinc Ore and expansion in Beneficiation plant from 4.0 MTPA to 4.8 MTPA, from the mine lease area of 3620 ha, located at ML No.03/89 near village Zawar (including Bhaladia, Newatalai, Singhatwara, Tidi, Rava, Kodyakheta, Kanpur, Dhavaditalai, Paduna, Udiyakhera, Nayakhera, Chanavada, Bara, Saru), Tehsil Girwa and Sarada, District Udaipur, Rajasthan under para 7(ii) (a) of EIA Notification, 2006. The proposed project site falls in zone-III as per IS 1893 (Part-I):2002.

2. As per EIA Notification dated 14<sup>th</sup> September, 2006 as amended from time to time, the project falls under Category A, project activity 1(a) [Mining of Minerals] and 2(b) [mineral beneficiation] as the mining lease area is 3620 ha.

3. The proposal of Terms of Reference (ToR) was considered by the Expert Appraisal Committee in its 11<sup>th</sup> meeting held during 25<sup>th</sup> - 27<sup>th</sup> September 2013 to determine the ToR for undertaking detailed EIA study. The ToR was issued by MoEF&CC vide letter no.J-11015-259-2012-IA-II(M) dated 01.04.2013 and amended ToR was issued on 18.02.2016.

4. The project proponent has applied for Environmental Clearance for expansion production capacity from 4.0 MTPA to 4.8 MTPA zinc-lead ore (20% increase) and expansion

*Parag*



in beneficiation plant from 4.0 MTPA to 4.8 MTPA from the mine lease area of 3620 ha (ML No.03/89) located at village Zawar (including Bhaladia, Newatalai, Singhatwara, Tidi, Rava, Kodyakhhet, Kanpur, Dhavaditalai, Paduna, Udiyakhera, Nayakhera, Chanavada, Bara, Saru), Tehsil Girwa and Sarada, District Udaipur, Rajasthan State.

5. The project proponent submitted that total mine lease area is 3620.0 ha. The lease was granted from 1<sup>st</sup> April 1950 for a period of 20 years for 5178 ha. The project proponent has reported that 1<sup>st</sup> renewal was made vide letter No.P.12(26)/Udaipur/Gp-2/90 on 13.03.1973 for the period from 01 Apr 1970 to 29 Mar 1990 for an area of 5178 ha. The 2<sup>nd</sup> renewal was granted on 20.10.1992 for the period from 30<sup>th</sup> March 1990 to 29<sup>th</sup> March, 2010 for 5178.0 ha. Amendment was made vide order dated 03.08.1999 for reduction of lease area from 5178.0 ha to 3620.0 ha and validity of renewal from 30.03.2000 to 29.03.2010. The 3<sup>rd</sup> renewal has been granted vide letter No.ME/Udai/cc-3/P/Sarada/323/08/3856 dated 23.01.2015 for the period from 30<sup>th</sup> March 2010 to 31<sup>st</sup> March 2030 for an area of 3620.0 ha.

6. The project proponent has submitted that Approval of Review of Mining Plan long-with Progressive Mine Closure Plan has been approved by IBM vide letter no.584(4)(3)(1809)/2019-RCM-Ajm dated 17.12.2019.

7. The project proponent submitted that the project itself being an underground mine, all mine development and production activity will happen underground. The underground mine voids shall be backfilled with ore beneficiation tailings, as per the mine plan. Tailing dam will be rehabilitated by vegetative cover after utilization to its optimum capacity. At the end of mine life, major infrastructure in the mine and beneficiation plant shall be dismantled and reclaimed after decontamination of any contaminated sites, as envisaged in the mining plan.

The waste rock generation shall increase proportionate to increase in production capacity. The waste rock shall be utilized for tailing pond embankment height increase, surface leveling works and also backfilling into mine voids. There shall be no increase in external dumps for waste rock. The capacity of the existing tailing dam will be increased to dispose the tailings by increasing the height of the embankment. Waste oil, used oil and other hazardous wastes will be safely stored in drums/tanks/covered shed and sold to authorized recyclers. Waste water will be recycled and reused in the beneficiation plant. Zero effluent discharge shall be maintained.

8. The project proponent submitted that Range of Water Table is from 10 m bgl to 7 m bgl (Pre-Monsoon Season) and 3 m bgl to 5 mbgl (Post-Monsoon Season). The present water requirement is 14000 KLD for existing operations. No additional requirement will be there for proposed 20 % expansion. Water requirement for industry shall be met from the existing source i.e., captive Tidi dam. The project proponent submitted that they obtained NOC from CGWA vide letter No.21-4(267)/CGWA/WR/2008-2185; 21-4(266)/CGWA/WR/2008 dated 11.12.2013 for a period of 3 years. The project proponent submitted the application for renewal of NOC vide its letter No.HZL/ZM/ENV/CGWA/2016-17/557 dated 09.12.2016.





9. The project proponent has submitted that 373625 saplings have been planted in area of 170.85 ha. Further, it is proposed to plant 55000 saplings. The total area under greenbelt will be 251.43 ha.

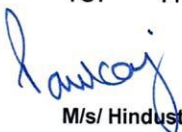
10. The project proponent submitted that the mine lease area of 3620 Ha includes a forest area of 1537.91 ha. The entire forest area was granted Forest Clearance by MoEF&CC vide letter no.8-1/1997-FC dated 15/16.06.1998 with a validity coterminous with mining lease including 114.94 ha area for surface use and 1422.97 ha for underground mining. Renewal of Forest Diversion was granted by the Ministry's vide letter no.8-1/1997-FC dated 23.02.2015. The project proponent reported that no protected area under international conventions or local legislation for its ecological, landscape, cultural or other related values exists within 15 km radius.

11. The project proponent submitted that there is Presence of Schedule-I species which includes Osprey, Indian Peafowl, White-rumped Vulture, Indian Leopard, Indian Pangolin, Crimson rose, Bengal Monitor Lizard, etc. The project proponent has submitted that the present Wildlife Conservation Plan is prepared for 2 projects, namely expansion of zinc-lead ore production and beneficiation capacities from 1.5 MTPA to 4.0 MTPA and 'expansion of the capacity 4.0 MTPA to 4.8 MTPA of zinc-lead ore production and beneficiation capacities from its existing underground mines. According to the SoP for the Wildlife Conservation Plan, the cost allotted for the wildlife conservation is Rs.1845 Lakhs. The implementation of wildlife conservation plan is planned till the mine life i.e., for the duration of next 10 years (till March 2030) in 3 phases of 4 years, 3 years and 3 years. Accordingly, costing is allotted for the 3 phases, along with presentation of total cost required for the implementations for next 10 years. The project proponent has reported that Conservation Plan for Schedule-I Species has not been approved by competent authority.

12. The project proponent submitted that the project is being a major mineral there is no requirement of District Survey Report.

12. The project proponent submitted that there will be marginal increase in traffic internally as well as outside the lease area due to expansion by 0.8 MTPA in existing 4.0 MTPA. There will be an increase of 20 vehicle trips per day within mine lease area (mines to mill within mine lease area) and 5 trucks outside mine lease (from beneficiation plant to HZL smelters) and per day for the transportation of 20% proposed expansion. The project proponent also submitted the mitigation measures such as (i) ore transportation from Mochia and Balaria Mine to central Mochia Shaft through covered conveyor belt; (ii) dust extraction system at transfer points; (iii) water sprinkling arrangement at transfer points & ore stockpile; (iv) regular water spraying on haul roads for ore transportation; (v) transportation is done in tarpaulin covered trucks; (vi) blacktop paved road (haul roads) within the mine boundary and outside; (vii) proper maintenance, oiling and greasing of vehicles is ensured; (viii) vehicle with valid PUC are being used for transportation; (ix) plantation along haul roads & greenbelt development along mine lease boundary and (x) continued and same will be maintained in future.

13. The project proponent submitted that public hearing is not applicable in this case.





14. The project proponent submitted that the fund allocated towards the Corporate Environment Responsibility (CER) is Rs.3.25 crores.

15. The project proponent reported that rehabilitation and resettlement (R&R) is not applicable.

16. The project proponent submitted that the funds allocated for Environment Management Plan (EMP) is Rs.64 crores (Capital) and Rs.2.9 crores (recurring per annum).

17. The project proponent submitted the EC compliance report has been certified from RO, MoEF&CC, Lucknow vide letter No.IV/ENV/R/Mine-484/794/2008/814 dated 07.10.2019.

18. The project proponent has submitted that CTO has been granted vide letter No. F(Mines)/Udaipur(Sarada)/53(1)/2016-2017/8193-8197 and Order No.2017-2018/Mines/9658 dated 28.12.2017 for the period from 01.01.2018 to 31.12.2022.

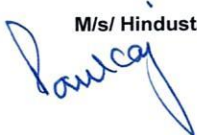
19. The project proponent reported that there is no Court Cases pending against the project and/or land in which the project is proposed to be set up.

20. The project proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of their knowledge and belief and they are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost. In addition to this, they hereby give undertaking that no activity/ construction/ expansion has since been taken up.

21. The project proponent submitted that cost of the project is Rs.1630 crores (existing Rs.1200 crore + proposed Rs.430 crore). The project proponent submitted that due to establishment of the project, large direct and indirect employment opportunities will be created. E-mail dated 15.09.2020 received from the project proponent wherein it was mentioned that the project on expansion will provide direct employment to 150 people (Total employment shall be 3400) of nearby area of mine site. Entrepreneurship development through ancillary or supporting industries/ businesses in the surrounding area will further increase the income levels of people.

22. The Committee during EAC meeting held on 19-21 August, 2020 observed that last public hearing was conducted on 29.09.2016 for expansion from 1.5 MTPA to 4.0 MTPA of ore production and beneficiation capacity. The Committee noted that the production capacity increased 20%, therefore, may be considered as per para 7(ii)(a) of the EIA Notification, 2006. The committee also observed that 55000 saplings to be planted by project proponent in the total area under greenbelt of 251.43 ha *inter alia* including lease boundary plantation of forests in the next 4-5 years. It was also advised to communicate to the Ministry regarding the surrender of land.

23. The Committee during EAC meeting held on 19-21 August, 2020 recommended the proposal of M/s. Hindustan Zinc Limited for expansion of Zawar Group of underground zinc-lead mines for proposed expansion from 4.0 MTPA to 4.8 MTPA zinc-lead ore and expansion





in beneficiation plant from 4.0 MTPA to 4.8 MTPA, from the mine lease area of 3620.0 ha located at MLNo.03/89 near village Zawar, Tehsil Girwa and Sarada, District Udaipur, Rajasthan under para 7(ii) (a) of EIA Notification, 2006 with specific conditions in addition to the conditions prescribed in the earlier EC dated 5<sup>th</sup> January, 2017.

24. The Ministry of Environment, forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto; and after accepting the recommendation of EAC meeting held during 19-21 August, 2020, hereby decided to accord the amendment of Environmental Clearance (EC) under para 7(ii) for expansion from 4.0 MTPA to 4.8 MTPA zinc-lead ore and expansion in beneficiation plant from 4.0 MTPA to 4.8 MTPA from the mine lease area of 3620 ha located at village Zawar (including Bhaladia, Newatalai, Singhatwara, Tidi, Rava, Kodyakheta, Kanpur, Dhavaditalai, Paduna, Udiyakhera, Nayakhera, Chanavada, Bara, Saru), Tehsil Girwa and Sarada, District Udaipur, Rajasthan State with following specific conditions in addition to the conditions prescribed in the earlier Environmental Clearance dated 5<sup>th</sup> January, 2017.

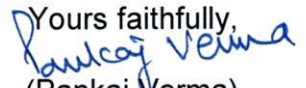
- (a) Gap plantation shall be carried in consultation with State Forest Department in the total mining lease area where the surface rights were not acquired. These plantations shall be maintained and monitoring to be done to achieve the survival rate of 90%.
- (b) The conservation plan for Schedule-I species reported in the study area namely, 1 reptilian (Bengal Monitor Lizard), 3 avifaunal (Osprey, Indian Peafowl and White-rumped Vulture), 2 mammals (Indian Pangolin and Indian Leopard) and 1 butterfly (Crimson Rose) should be prepared and implemented in consultation with State Forest Department including the recommendations of the Chief Wildlife Warden.
- (c) As proposed no additional water shall be used for the proposed expansion. The requirement shall be met from the existing daily water demand of 14,000 KLD, out of which 2,400 KLD water is used for mining purpose, 8,600 KLD for beneficiation plant and 3,000 KLD for domestic use which is drawn from Tidi Dam through pipeline.
- (d) The project proponent should obtain the NOC from the CGWA regarding the intersection of workings with the groundwater table.
- (e) Mist spraying arrangements shall be provided to suppress the dust emission at the loading, crushing and transfer points. The effective water spraying arrangements shall be made at the tailing dam to control the air borne dust.
- (f) The project proponent should implement all the additional measures that are proposed in the present application.

25. Further, as per Ministry's O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Hon'ble Supreme Court on 8.01.2020 in W.P. (Civil) No 114/2014 in the matter Common Cause vs Union of India, *the mining lease holder shall after ceasing*

*mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.*

26. Any appeal against this Environmental Clearance under EIA notification 2006 for expansion shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

27. This issues with the approval of Competent Authority.

Yours faithfully,  
  
(Pankaj Verma)  
Scientist E

**Copy to:**

1. The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi-110 001.
2. The Secretary, Department of Mines & Geology, Government of Rajasthan, Secretariat, Jaipur.
3. The Secretary, Department of Environment, Government of Rajasthan, Secretariat, Jaipur.
4. The Secretary, Department of Forests, Government of Rajasthan, Secretariat, Jaipur.
5. The Chief Wildlife Warden, Government of Rajasthan, Jaipur.
6. The Dy. Director General of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector "H", Aliganj, Lucknow – 226020
7. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
8. The Member Secretary, Central Ground Water Authority, 18/11, Jam Nagar House, Man Singh Road, New Delhi-110011.
9. The Chairman, Rajasthan State Pollution Control Board, Jaipur, Rajasthan.
10. The Controller General, Indian Bureau of Mines, Indira Bhawan, Civil Lines, Nagpur-440 001.
11. The District Collector, Udaipur, District, Government of Rajasthan.
12. Guard File.
13. MoEF&CC Website.

  
(Pankaj Verma)  
Scientist E