



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), ANDHRA PRADESH)

To,

The General Manager (Mines) I/c & HOD
RASHTRIYA ISPAT NIGAM LTD
Room No. 384, Mines Department, 2nd Floor, C-Block, Main
Administrative Building, Visakhapatnam Steel Plant -530031

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/AP/MIN/404433/2022 dated 03 Nov 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC23B001AP126005 |
| 2. File No. | AP VSP MIN 11 2022 4679 |
| 3. Project Type | New |
| 4. Category | B |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | M/s. Rashtriya Ispat Nigam Limited
(RINL) |
| 7. Name of Company/Organization | RASHTRIYA ISPAT NIGAM LTD |
| 8. Location of Project | ANDHRA PRADESH |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 18/04/2023

(e-signed)
Dr. P. V. Chalapathi Rao
Member Secretary
SEIAA - (ANDHRA PRADESH)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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and Virtuous Environmental Single-Window Hub)





State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Ministry of Environment, Forests & Climate Change

Government of India

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada-520010.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/VSP/MIN/11/2022/4679/213.21/210.15, 34

Sub: SEIAA, A.P. – 3.012Ha Mine of Kintada Quartz/Quartzite Mine of M/s.Rashtriya Ispat Nigam Limited (RINL) at Sy.No.153 of Kintada Village, K. Kotapadu Mandal, Visakhapatnam District, Andhra Pradesh - Environmental Clearance – Issued - Reg.

I. This has reference to your application submitted through online on 03.11.2022 (SIA/AP/MIN/404433/2022), seeking Environmental Clearance for the proposed mine **3.012 Ha of Mine of Kintada Quartz/Quartzite at Sy.No.153 of Kintada Village, K. Kotapadu Mandal, Visakhapatnam District, Andhra Pradesh** in favor of **M/s Rashtriya Ispat Nigam Limited (RINL)**. It was reported that the nearest human habitation viz., Dalaivalasa (V) exists at a distance of about 0.04 Km from the mine lease area As per the approved mining plan the proponent left 100mts buffer zone as per NGT norms from the nearest habitation viz., Dalaivalasa Village. It was noted that the capital investment of the project is Rs.63.0 Lakhs and capacity of the project is as follows:

Mining of Quartz– 50,000 TPA in 3.012 Ha.

II. As seen from the Mining plan approved by the competent Government Authority the following two aspects are noted.

i. The location of the mine is as follows:

Sl.No	Latitude	Longitude
P1	17°53'38.06292"N	83°03'58.18199"E
P2	17°53'37.74706"N	83°04' 2.08313"E
P3	17°53'30.47256"N	83°03'59.00140"E
P4	17°53'34.04330"N	83°03'53.68887"E
Area to be quarried – 0.605 Ha after leaving buffer zone		
H1	17°53'35.17991"N	83°04'00.99550"E
H2	17°53'35.09298"N	83°03'59.69959"E
H3	17°53'35.20642"N	83°03'58.26148"E
H4	17°53'34.20402"N	83°03'57.09292"E
H5	17°53'32.06555"N	83°03'59.67612"E

ii. It is an open cast semi-mechanized mine. Life of mine is 2 years. The total mine lease area is **3.012 Ha**.

This proposal has been referred to SEAC, A.P along with all the documents submitted by the proponent for their appraisal and for their specific recommendations on EC aspect. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its

amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meeting held on. **22.02.2023**.

Minutes of SEAC meeting:-

The proposed project is for mining of **Quartz** in an area of **3.012 Ha.** with a proposed production quantity of **Quartz – 50,000 TPA** with a condition that the total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.

The proposed project falls under Item No. 1(a) of the schedule of the EIA Notification 2006 and its amendments thereof - (i). Mining of minerals (≤ 250 Ha of mining lease area in respect of non-coal mine lease).

The representative of proponent and their consultants S V Enviro Labs & consultants have attended the meeting.

The Committee noted that as per cluster letter issued by Asst. Director of Mines & Geology, Visakhapatnam vide Lr. dated: 18.10.2022, there is one existing quarry lease within the radius of 500 mts area which is granted before 2013. The total cluster area is < 5.0 Ha. No blasting proposed. 1st renewal on 17.12.2021 for 20 years.

The project proponent has submitted modified mining plan dt.22/09/2022 by leaving 2.407 Ha as per NGT norms. Life of mine is to be considered from the grant of mine lease / Extension proceedings as the application is only in LOI stage.

Life of mine is 2 years.

EMP budget details:

Capital cost of the EMP measures proposed : 7.70 Lakhs.

Recurring of the EMP measures proposed: 5.35 Lakhs/Annum.

The proponent volunteered to provide Water treatment plant with borewell to the **Dalivalasa** Village as a part of Corporate Social Responsibility (CSR) activity and shall maintain till the life of the mine.

The Committee after examining the project proposals, presentations, MoEF&CC' Notifications &Oms and detailed deliberations, recommended to issue Environmental Clearance with additional conditions.

1. The proponent shall comply with the proposals furnished in Environmental management plan.
2. The project proponent shall develop 1km greenbelt along approach roads & village Road sides.
3. The project proponent shall maintain 7.5mt greenbelt in buffer zone and existing buffer zone plantation should not be disturbed.
4. The proponent shall take dust suppression measures to meet the CPCB stipulated ambient air quality standards at any point of time.
5. No blasting is allowed.
6. The life of the mine shall be from the date of execution of the lease.

Decision of SEIAA in 200th meeting: - Refer to SEAC to apprise after obtaining of working Status report from the Mines & Geology Department after 2021 as the EC is expired in 2021.

This case is again placed in 213thSEAC meeting:

As referred by the SEIAA, the project proponent has submitted a copy of production and dispatch details vide letter dt.23.12.2022 and the details are also available in page no. 18 of Approved mining plan.

The Committee after examining the details reiterates that the earlier meeting recommendations holds good.

The committee in the appraisal report clearly stated that they have approved the approved Mining Plan, Form-I/II, PFR/DPR and EMP for compliance by the proponent.

The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on **15.03.2023** examined the proposal and the recommendations of SEAC and decided to accept SEAC recommendations aforesaid for strict compliance by the proponent and to issue EC with a condition that No blasting is allowed. The SEIAA, A.P **hereby accords Environmental Clearance to the project** as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

Part A. Special Conditions:

- i. The proposal shall not attract the following Acts & Rules:
 - a. Forest Act 1980,
 - b. Wild life (Protection) Act,1972;
 - c. CRZ Notification, 2011;
 - d. The Eco sensitive areas as notified under Environment (Protection) Act, 1986;
 - e. Critically polluted areas as notified by CPCB and also shall not harm live stocks and human beings and disturb their activities.
- ii. The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.
- iii. No blasting is allowed.
- iv. The proponent volunteered to provide Water treatment plant with borewell to the Dalivalasa Village as a part of Corporate Social Responsibility (CSR) activity and shall maintain till the life of the mine.
- v. The proponent shall comply with the proposals furnished in Environmental management plan.
- vi. The project proponent shall develop 1km greenbelt along approach roads & village Road sides.
- vii. The project proponent shall maintain 7.5mt greenbelt in buffer zone and existing buffer zone plantation should not be disturbed.
- viii. The proponent shall take dust suppression measures to meet the CPCB stipulated ambient air quality standards at any point of time.
- ix. No blasting is allowed.
- x. The life of the mine shall be from the date of execution of the lease.
- xi. The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.
- xii. The avenue plantation with tall plants of at least 1.5m height for 1 km length of the approach road on either side of the road is to be developed and maintained. Entire greenbelt should be developed in the first year itself.
- xiii. The proponent is advised to ensure safety to animal and public life.

Part B. Specific Conditions:

1. Air Pollution:-

- i. a) Suitable drilling & cutting method shall be adopted to control dust emissions, as per approved mining plan.
- ii. Greenbelt shall be developed along the boundary of mining lease area and also in back filled and reclaimed areas with tall growing native species in consultation with the local DFO/Agriculture Department. The proponent of mine shall carry mining operations in such

a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.

- iii. Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Prior concurrence of regulatory Authority must be obtained by the proponent
- iv. The proponent of mine shall carry air quality monitoring in the core zone as well as buffer zone for RSPM and Noise levels. Location of monitoring stations should be decided based on the metrological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months. Prior concurrence of regulatory Authority must be obtained by the proponent.
- v. The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements. Prior concurrence of regulatory Authority must be obtained by the proponent.
- vi. The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection) Act, 1986 / Noise Pollution(Regulations & Control) Rules, 2010 by implementing the following noise control measures.
 - o Proper and regular maintenance of vehicles and other equipment.
 - o The proponent shall ensure that there shall be no excessive noise, while taking up mining activity.
 - o The workers employed shall be provided with protection equipment and earmuffs etc.
 - o Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25kmph to prevent undue noise from empty trucks.
- vii. Whenever any damage to public buildings or monuments is apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by blasting operations within safe limit. In such cases, Prior concurrence of concerned Regulatory Authority must be obtained by the proponent, without which, mining shall not be taken up.
- viii. The proponent shall not take-up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority.

2) Water Pollution:-

- i. As per records the source of water is Bore well. Total water requirement is 8.0 KLD. Out of that, 5.4 KLD is used for Dust suppression; 1.6 KLD is used for plantation development of greenbelt; 1.0 KLD is used for Domestic purpose.
- ii. Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly delisted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.
- iii. The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifer and useable lands to a minimum. The effluents shall be suitably treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.
- iv. Monitoring of ground water level and quality should be carried out quarterly by the project proponent in and around the project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MoE&F and its Regional Office Chennai, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out in consultation with concerned Regulatory Authority.
- v. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regulatory Authority.
- vi. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

3) Solid Waste :-

- i. **Topsoil:** Wherever top soil exists and is to be excavated for mining operations, remove it separately and the top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use. Prior concurrence of Regulatory Authority must be taken for this activity.
- ii. **Overburden:** The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non feasibility of back filling, the waste dump shall be suitably terraced and stabilizes through the vegetation. The proponent shall maintain proper angle of repose to

ensure stability to the dump. Prior concurrence of Regulatory Authority must be taken for this activity.

- iii. The proponent of the mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining walls shall be based on the rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.
- iv. The proponent of mines shall construct required number of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.
- v. The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before the conclusion of such operations and the abandonment of the mine. This activity shall be taken up under the guidance of Appropriate Regulatory Authority, by the proponent, to ensure that environment is protected.
- vi. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.

Part C. General Conditions:

- i. **This order is valid a period of 2 years or the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.**
- ii. While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.O RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.
- iii. The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self government bodies (Gram panchayat/Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO. The APPCB to ensure the same while according CFE/CFO.
- iv. Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.
- v. In respect of government land for mining, the responsibility fixed on AD mines to check whether necessary clearances from revenue department are obtained.
- vi. In case of patta land while granting mine lease ADMG should verify the land lease documents.
- vii. In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the forest department, Government of Andhra Pradesh.

- viii. Any change in mining plan/ production/ mining methodology the proponent shall apply afresh EC.
- ix. While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-1/EMP.
- x. Once in an year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.
- xi. “Consent for Establishment” & “Consent for Operation” shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof.
- xii. No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.
- xiii. Personnel working in dusty areas shall be provided by the proponent with protective respiratory devices and they should wear, and they should also be provided with adequate training and information on safety and health aspects. Prior instructions and guidance of Regulatory authority shall be taken for this activity.
- xiv. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.
- xv. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Prior instructions and guidance of Regulatory authority shall be taken for this activity.
- xvi. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xvii. The funds earmarked for environmental protection measures (**Capital cost Rs.7.70 Lakhs and Recurring cost Rs.5.15 Lakhs/Annum**) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Vijayawada.
- xviii. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC’s office Memorandum No.F.No.22-65/2017-IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry’s Regional Office, Vijayawada.
- xix. Officials from the Regional Office of MoEF&CC, Vijayawada / The SEIAA, Andhra Pradesh through the Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards should be given full co-operation,

facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoEF&CC, Vijayawada.

- xx. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Vijayawada, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.
- xxi. Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1st December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533(E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)
- xxii. The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.
- xxiii. The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.
- xxiv. All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.
- xxv. The Proponent shall follow G.O. Ms 107 dated 30.07.2016 of Industries & Commerce (Mines-II) Department wherever applicable.
- xxvi. Consent for Establishment” shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.
- xxvii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xxviii. The environmental statement for each financial year ending 31st March in Form-V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Vijayawada by e-mail.
- xxix. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.

- xxx. The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.
- xxxi. Any appeal against this Environmental Clearance 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.
- xxxii. Concealing the factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxxiii. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxxiv. SEIAA also reserves the right to cancel the EC issued at anytime, if EC has been obtained by the proponent through suppression of any information or furnishing false information.
- xxxv. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

MEMBER SECRETARY, SEIAA, A.P.	MEMBER, SEIAA, A.P.	CHAIRMAN, SEIAA, A.P.
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To

M/s RashtriyaIspat Nigam Limited (RINL),
Sri Pamidimukkala Ramakrishna,
Deputy General Manager (Geology),
Room No.384, Main Administrative Building,
Visakhapatnam Steel Plant,
Room No.384, Main Administrative Building,
Gajuwaka Mandal, Visakhapatnam-530031

Copy to:

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: Visakhapatnam, APPCB for information.
4. The Regional Officer, MoEF&CC, GoI, Vijayawada for kind information.
5. The Secretary, MoEF&CC, GoI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GoI, New Delhi for kind information.
7. The District Collector, Visakhapatnam District, Andhra Pradesh for kind information.