



सत्यमेव जयते

File No.: 496840/343-MIN/09-2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority (SEIAA),
ODISHA)



Dated 21/12/2024



To,

Sri Pani Kishan
At/Po-Kuarmunda, Ps-Padampur, Dist-Sundargarh, ODISHA, , 770039
eckuarmundasandbed1@gmail.com

Subject: Amendment in Environmental Clearance (EC) letter no. 418/SEIAA dated 08.02.2021 granted to the project of Kuarmunda Sand Bed-1 under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/496840/2024 dated 16/09/2024 for grant of an amendment in prior Environmental Clearance (EC) to the project of Kuarmunda Sand Bed-1 over an area of 10.00acre or 4.046ha of Village Kuarmunda under Kuarmunda (Panposh) Tahasil of Sundargarh District, Odisha, on the basis of reduction of Lease area necessitated by presence of Railway Bridge and Annual Rate of Replenishment Study (ARRS) Report under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24C0107OR5316238A
(ii) File No.	496840/343-MIN/09-2024
(iii) Clearance Type	Amendment in EC
(iv) Category	B2
(v) Schedule No./ Project Activity	1(a) Mining of minerals PROPOSAL FOR MODIFICATION OF EC OF KUARMUNDA SAND BED- 1 OVER AN AREA OF 10.00ACRE OR 4.046Ha OF VILLAGE KUARMUNDA UNDER KUARMUNDA(PANPOSH) TAHASIL OF SUNDARGARH DISTRICT, ODISHA,ON THE BASIS OF REDUCTION OF LEASE AREA NECESSIATED BY PRESENCE OF RAILWAY BRIDGE
(vii) Name of Project	SUNDARGARH, ODISHA
(viii) Location of Project (District, State)	SEIAA, Odisha
(ix) Issuing Authority	16/09/2024
(x) EC Date	

(xii) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	Operating Condition

1. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-4 (Part A, B & C) were submitted to the SEAC for an appraisal by the State Level Expert Appraisal Committee (SEAC) under the provision of EIA notification 2006 and its subsequent amendments thereto.
2. The above-mentioned proposal has been considered by SEAC in its meeting held on 26.02.2024. The minutes of the meeting and all the project documents are available on Parivesh portal which can be accessed from the Parivesh portal by scanning the QR Code above or through the following web link [click here](#).
3. The brief about the reasons for an amendment requested along with the brief on the salient features of the project as submitted by the project proponent in Form- 4 (Part A, B & C) and as presented before SEAC and the details of the amendment of EC are annexed as **Annexure- 2**.
4. The proposal was placed in the SEAC meeting held on 26.02.2024 under the provisions of EIA Notification 2006 and its subsequent amendments and after detailed deliberations in the matter and the SEAC recommend the proposal for Sand mining may be allowed for 4575 cum/annum as per the replenished quantity with semi-mechanised method of mining.
5. The SEIAA, Odisha has examined the proposal in 181st meeting held on 16.12.2024 in accordance with the extant provisions of the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC and hereby accords amendment in Environment Clearance EC letter no. 418/SEIAA dated 08.02.2021 for the instant proposal of Kuarmunda Sand Bed-1 to Sri Pani Kishan is **allowed** for extraction quantity of sand **4575 cum per annum** for the balance lease period with depth of mining 1.27 meter through semi-mechanised method as per approved modified mining plan dated 03.09.2024 under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of EC conditions, general instructions issued vide EC letter dated 08/02/2021 and following additional specific conditions as mentioned in **Annexure-1**. The other stipulated terms and conditions of the original EC letter initially granted remains same.
6. This issues with the approval of the Competent Authority.

Copy To

1. Principal Secretary, Forest, Environment & Climate Change Dept., Government of Odisha for information.
2. Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-8, Bhubaneswar for information.
3. The Director of Mines, Steel & Mines Dept, Govt. of Odisha Bhubaneswar for information.
4. Additional Principal Conservator of Forests, Integrated Regional Office (IRO), Ministry of Environment & Forests, A-31, Chandrasekharpur, Bhubaneswar for information.
5. Chairman, Central Pollution Control Board, CBD-cum-Office Complex, East Arjun Nagar, New Delhi-110032 for information.
6. Chairman/Member/Member Secretary, SEIAA for information.
7. Member Secretary, SEAC, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar for information.
8. Collector & DM, Sundargarh, Sub-Collector, Sundargarh, Deputy Director of Mines, Sundargarh, DFO, Sundargarh, RO, SPCB, Sundargarh, Tahasildar, Kuarmunda/Mining Officer, Sundargarh for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Conditions

S. No	EC Conditions
1.1	<ol style="list-style-type: none">1. Consent / NoC shall be obtained from the concerned authority if village road is to be used for transportation. The said road shall also be maintained by the lessee.2. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.3. The boundary area of the deposit as per the updated DSR defined by geo coordinates based on DGPS survey be superimposed on the cadastral map.4. Plantation programme to be completed within the first two years and to be maintained in remaining years.5. The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.6. The proponent shall provide Bio- toilet for the workers.7. Project Proponent shall not disturb the water course during mining.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Environmental clearance shall be subject to orders of Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project
1.2	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.3	The project proponent shall obtain the necessary permission from the other competent Authority
1.4	The maximum production of sand quantity 4575 cum/annum shall not exceed the limit as prescribed in the EC.
1.5	The EC is valid for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Major approach roads shall be black topped and properly maintained after due permission from competent Authority.

S. No	EC Conditions
2.2	The transportation of sand shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the sand through the existing road passing through any village shall be avoided. In case, it is proposed to construct a 'bypass' road, it should be so constructed that the impact of sound, dust and accidents could be appropriately mitigated.
2.3	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centres.

3. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
3.1	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.
3.2	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

4. Mining Plan

S. No	EC Conditions
4.1	<p>No Working Zone: - The lessee shall ensure that no sand mining is carried out in the areas as specified below: -</p> <ul style="list-style-type: none"> • During the rainy season; • Within the water channel or stream flow area throughout the year; • Mining shall not be undertaken in a mining lease located in 200-500 meter of bridge, 200 meter upstream and downstream of water supply/irrigation scheme, 100 meter from the edge of National Highway and railway line, 50 meter from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meter from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee. • The mining or any ancillary activity shall not in any way disturb the flow pattern of the river water during the non-monsoon period. • No stream shall be diverted for the purpose of sand mining and no natural water course shall be obstructed. • Sand mining operations shall not affect the existing sources for irrigation / drinking water / industrial purposes. • The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.

S. No	EC Conditions
4.2	Mining shall be carried out under strict adherence to provisions of the OMMC Rules 2016 as applicable.
4.3	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.
4.4	<p>Transport Safeguards:</p> <ul style="list-style-type: none"> No transportation of the minerals shall be allowed on any road passing through villages/habitations without prior explicit permission. Transportation of minerals through existing rural roads can be allowed only by the concerned Govt. Department/ Gram Panchayat/BDO after required strengthening such that the carrying capacity of the road is increased to handle the mineral carrying truck traffic. The project proponent shall bear the cost towards the widening and strengthening of existing public roads in case the same is proposed to be used for the project. Project proponents shall ensure that the transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and traffic density. Vehicles hired for transportation of minor minerals from the site should be in good condition and should have pollution check certificates and should conform to applicable air and noise emission standards and should be operated only during non-peak hours. Speed of vehicle be regulated and in no case >30 Kms / hr be allowed. The vehicles shall not be overloaded and shall be covered with Tarpaulin. The Tahasildar/ Mining Officer may collect an appropriate additional road maintenance levy from the lessee as part of the lease conditions on the basis of quantum of mineral transported, and utilize the proceeds of the levy for proper maintenance of the extraction paths and roads to prevent their degradation on account of plying of mineral carrying trucks. Water spraying should be made on the village road to control particulate matter (dust particles) pollution in surrounding air during transportation from the quarry. Garland drain shall be constructed on the hill slope to arrest downward flow of particulate matter with rainwater.

5. Land Recalmtion

S. No	EC Conditions
5.1	The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

6. Miscellaneous

S. No	EC Conditions
6.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language

S. No	EC Conditions
	within seven days and in addition this shall also be displayed in the project proponent's website permanently.
6.2	The copies of the environmental clearance shall be submitted by the project proponents 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.
6.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on Parivesh Portal only on half-yearly basis.
6.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6.5	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
6.6	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
6.7	The project proponent shall abide by all the commitments and recommendations made in the EMP report, commitment made during Ec application and also that during their presentation to the Expert Appraisal Committee.
6.8	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
6.9	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
6.10	The SEIAA, Odisha may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6.11	The SEIAA, Odisha reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
6.12	The compliance of EC conditions of said quarry shall be monitored by DEIAA, concerned lease granting Authority either Mining Officer or Tahasildar, RO, SPCB, Odisha and Integrated Regional Office of MoEFCC, Bhubaneswar as per MoEF & CC, Govt. of India S.O. 141(E) in EIA Notification dated 15.01.2016
6.13	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.
6.14	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.

S. No	EC Conditions
6.15	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours
6.16	Half-yearly Compliance Report: -It shall be mandatory for the project management to submit half yearly compliance reports on the status of implementation of the above stipulated environment. The project authority is mandatory to upload the compliance report of EC conditions including results of monitored data, as applicable in the website of the Ministry for monitoring of EC Conditions. No hard copy and soft copy required to submit to SEIAA, Odisha, failing which EC is liable to be revoked.
6.17	Concomitant Monitoring: - The conditions stipulated in the environmental clearance will be closely monitored on the ground by the lease granting authority, i.e. the Tahasildar/mining officer, who shall ensure compliance of the stipulated conditions and take corrective measures promptly in case of any non-compliance and also ensure that the project proponent submits half yearly compliance reports.
6.18	Independent Monitoring: -The concerned Regional Office of the MoEF & CC/ SPCB, Odisha shall periodically monitor compliance of the stipulated conditions as applicable for this project. The project authorities should extend full cooperation to the MoEF & CC officer(s)/SPCB officer(s) by furnishing the requisite data / information / monitoring reports.

Additional EC Conditions

1. The replenished quantity of sand **4575 cum/annum** as per ARRS report is approved for the remaining lease period.
2. The EC is valid for the balance lease period subject to the quantity prescribed in the modified DSR or revised Mining Plan whichever is less.
3. The PP is required to carry out the Annual rate of replenishment study (ARRS) through ORSAC empanel agency in subsequent years and submit the report to SEIAA, Odisha.
4. The PP shall implement the EMP with a budgetary allocation of **Rs. 1.10 Lakh/annum** as proposed in the EMP report during EC application.
5. The PP shall plant **250 nos.** of tree species like Banyan (*Ficus benghalensis*), Peepal(*Ficus religiosa*), Neem (*Azadirachta indica*), Jamun(*Syzygium cumini*), Mango(*Mangifera indica*), Karanj(*Pongamia pinnata*), Arjun(*Terminalia Arjuna*), Jack fruit (*Artocarpus heterophyllus*), Siris (*Albizia lebeck*), etc.. as part of tree plantation campaign "**Ek Ped Maa Ke Naam**" and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>).The PP shall submit the status of plantation during every six-months (06) compliance of EC conditions with geo-coordinating photographs. The plantation activities shall be done by the PP after consultation with concerned DFO, Mining Officer or Tahasildar.
6. The compliance of EC conditions of said quarry shall be monitored by DEIAA, concerned lease granting Authority either Mining Officer or Tahasildar, RO, SPCB, Odisha and Integrated Regional Office of MoEFCC, Bhubaneswar as per MoEF & CC, Govt. of India S.O. 141(E) in EIA Notification dated 15.01.2016.
7. The Project Proponent shall uploaded/submitted six monthly EC compliance in the Parivesh Portal of MoEF & CC., Govt. of India only falling which the EC is liable to revoked.

1. Proposal in brief:

The highlights of the proposal as ascertained from the application and as revealed from proceedings/discussion held during the meeting of SEAC/SEIAA, are given as under.

- (i) This is a proposal for amendment of EC of Kuarmunda Sand Bed-1 over an area of 10.00acre or 4.046ha of Village Kuarmunda under Kuarmunda (Panposh) Tahasil of Sundargarh District, Odisha, on the basis of reduction of Lease area necessiated by presence of Railway Bridge.
- (ii) The project proponent has obtained EC from SEIAA, Odisha vide EC letter no. EC Identification No. – 418/SEIAA dated 08.02.2021 for Kuarmunda Sand Bed-1 over an area of 10.00acre or 4.046ha of Village Kuarmunda under Kuarmunda (Panposh) Tahasil of Sundargarh District, Odisha, on the basis of reduction of Lease area necessiated by presence of Railway Bridge.
- (iii) During EC application the PP has submitted required documents along with mining plan where it is mentioned that mineable reserve of the proposed sand was 17122 cum with depth of sand deposition was 0.65 meter and proposed for annual extraction- 16348 cum.
- (iv) The SEIAA allowed 16348 cum of sand for 1st year production
- (v) There is an EC conditions point no. 9.1 to 9.2 in page no. 03 that “Pending carrying out of the study & submission of the report, this clearance is being granted in an adhoc manner and is liable to be revoked after one year i.e., after 15th March, 2022, if satisfactory replenishment study report is not submitted.”
- (vi) Transfer of EC was issued vide letter no. 4998/SEIAA dated 29.07.2022 in favour of Sri pani Kishan.
- (vii) The PP has mentioned 16348 cum of sand has been extracted from the source but not mentioned the year of production.
- (viii) The PP has submitted replenishment study report was done by the RQP Sri Zinu Sh. Sathua along with the ZEOTEK mining Solutions Pvt. Ltd. (ORSAC Empanelment Agencies) with mentioned that Pre-Monsoon mineable reserve = 35525 cum, post-monsoon mineable reserve = 40100 cum and quantity of sand replenished = **4575 cum** and proposed production is 7330.8 cum.
- (ix) Any deficiencies/omission have been noticed in the above documents- Nil

2. Whether SEAC recommended the proposal – The proposal was placed in the SEAC meeting held on 26.02. 2024 and the SEAC recommended the following:

- i) Available replenishment mineable reserve after post monsoon survey of quantity 4575cum which may be allowed for mining against application of 7330.8cum.
- ii) Mining plan is approved for semi-mechanised method and PP has applied for semi-mechanised method of mining. However, the SEAC decided that the mining shall be done manually, as it is a B2 Category project.
- iii) In the compliance report to EC condition 9.7, PP has mentioned that sand mining has been carried out by semi-mechanised method against EC condition for manually mining. SEIAA may take appropriate action for violating the EC conditions.