



सत्यमेव जयते

File No.: 465489/36-MINB2/03-2024

Government of India

Ministry of Environment, Forest and Climate Change

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



Dated 13/01/2025



To,

SRI JHASKETAN SETH
AT/P.O-RENGALI, P.S-ATTABIRA, DIST-BARGARH, ODISHA, 768027
jhasketanseth94@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project of Sankirda (A) Sand Quarry under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA, Odisha vide proposal number SIA/OR/MIN/465489/2024 dated 11/03/2024 for grant of prior Environmental Clearance (EC) to the project of Sankirda (A) Sand Quarry over an area of 2.18 Acres or 0.882 Hectares having Khata No-466, Plot No-1334(P) at village Sankirda, Tahasil-Bheden, Dist-Bargarh, Odisha to Sri Jhasketan Seth, the successful bidder/lessee 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.	EC24C0107OR5235129N
(ii) File No.	465489/36-MINB2/03-2024
(iii) Clearance Type	Mining EC Under 5 Ha
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Proposal for Fresh EC of Sankirda (A) Sand Quarry over an area of 2.18 Acres or 0.882 Hectares having Khata No-466, Plot No-1334(P) at village Sankirda, Tahasil-Bheden, Dist-Bargarh, Odisha
(ix) Location of Project (District, State)	BARGARH, ODISHA
(x) Issuing Authority	SEIAA, Odisha
(xii) Applicability of General Conditions	No

3. In view of the particulars given in the Para-1 above, the project proposal interalia including Form-2 (Part A & B) other Reports were submitted to the SEAC (State Level Expert Appraisal Committee) for an appraisal by the SEAC

under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by SEAC in its meeting held on 29th April, 01st, 02nd, 03rd and 04th May 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.
5. The brief about configuration of plant/equipment, products and by-products and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A & B) other Reports/presented during SEAC are annexed to this EC as Annexure (2).
6. The SEAC, in its meeting held on 29th April, 01st, 02nd, 03rd and 04th May 2024, based on information & clarifications provided by the project proponent and after detailed deliberations, the SEAC recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions.
7. The SEIAA, Odisha has examined the proposal in 182 th meeting held on 18.12.2024 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 Environment Clearance for the instant proposal for mining of stone from Sankirda (A) Sand Quarry over an area of 2.18 Acres or 0.882 Hectares having Khata No-466, Plot No-1334(P) at village Sankirda, Tahasil-Bheden, Dist-Bargarh, Odisha to Sri Jhasketan Seth, the successful bidder/lessee under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure-1.

Stipulation

Sl. Descriptions

Stipulation

- | | |
|--------------------------------|---|
| (i) Lease Area: | 2.18 Acres or 0.882 Ha |
| (ii) No Mining Zone: | 7.5 meter safety zone from all along the lease boundary. |
| (iii) Maximum Depth of Mining: | Maximum 6.00 Mtr. from the ground level/surface level of this area as stipulated in rule 37(1)(a) of the OMMC Rule, 2016. |
| (iv) Method of Mining | Semi-mechanized with drilling and blasting |
| (v) Permitted Quantity: | 1 st year- 1250.7 cum/annum
2 nd year-1250.7 cum/annum
3 rd year-1250.7 cum/annum
4 th year-1250.7 cum/annum
5 th year-1250.7 cum/annum
Total production in the 5 years lease period will be 6253.5cum. |
| (vi) Validity Period of EC: | This EC is valid till validity of lease period or 05 years whichever is earlier. |

8. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
9. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
10. This EC is valid till validity of lease period or 05 years whichever is earlier..

11. General Instructions:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA, Odisha website where it is displayed.
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 must display the same for 30 days from the date of receipt.
3. The project proponent shall have a well laid down environmental policy duly approved by the Board of

Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.

4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
 5. 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. The Regional Office of this SEIAA, Odisha shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
 7. Any appeal against this EC 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.
12. This issue with an 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, Bargarh, Sub-Collector, Bargarh, Deputy Director of Mines, Bargarh, DFO, Bargarh, RO, SPCB, Bargarh, Tahasildar, Bheden/Mining Officer, Bargarh for Information and necessary action.
9. Guard file for record/Website/Parivesh Portal

Annexure 1

Specific EC Conditions for (Mining Of Minerals)

1. Specific Condition

S. No	EC Conditions
1.1	Before lease agreement

S. No	EC Conditions
	<ul style="list-style-type: none"> • Boundary Demarcation: - The boundary of the lease area shall be demarcated on ground at the project cost, by erecting 1.20 meter (4 feet approx.) high reinforced concrete pillars above ground, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates by any empanelled agency of ORSAC. • Digital Map: -A digital map (in KML format as well as PDF version) showing GPS coordinates of all boundary pillars duly countersigned by the Tahasildar/Mining officer shall be submitted to SEIAA, Odisha through email at seiaaodisha@gmail.com. • Intimation of EC: -The copies of the EC shall be sent to the Sarpanch (s) of the concerned Gram Panchayat (s), Urban Local Bodies and relevant other Offices of the Government with a request to display the same for 30 days from the date of receipt. The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEF&CC Regional Office for compliance and record. • Tree Plantation: -The Project Proponent (lease holder) shall plant 150 no. of native species within 2 years in a suitable location adjoining the quarry or any suitable place after consultation with local DFO, Mining Officer and Tahasildar. • State EMF Fund: - An amount equal to five percent (5%) of the royalty payable shall be collected from the lessee by the Tahasildar/Mining Officer and deposited to the State Environment Management Fund, which will be utilized as per provisions of Rule 49(3) of the OMMC Rule, 2016 preferably, in and around the areas where mining activities are undertaken. • Condition by Collector/ Deputy Director of Mines: - Any other condition(s) the Collector & Chairman, District Environment Impact Assessment Authority (DEIAA), may impose in the interest of protection and safeguarding the local environment. • Compliance report for Transfer of EC: - Any transfer of EC to a PP/Lessee shall be considered by SEIAA, Odisha only after receipt of the full compliance report through Tahasildar/Mining Officer concerned of the above environmental conditions and safeguards. <p>Other conditions/NOC:- 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.</p>
1.2	<p>After lease agreement</p> <ul style="list-style-type: none"> • The Project Proponent (PP) shall revise the DSR as per minerals deposit along with final coordinates to be ensured by the concerned lease granting Authority. • The boundary area of the deposit as per the revised /updated DSR to be defined by geo-coordinates based on DGPS survey superimposed on the cadastral map. • Mitigation measures for flying Rock for safety of human beings and animals during blasting to be ensured by the project proponent. • The project proponent needs to maintain periodic health check-up records of their employees and ensure use of face masks by workers in crushing and handling sections of the stone quarry for ensuring that working personnel are not affected by silicosis.

S. No	EC Conditions
	<ul style="list-style-type: none"> • Construction of garland drains retaining walls and settling tanks should be ensured to prevent erosion during rainfall and to collect silt generated during the mining activity. • Haulage road shall be developed and maintained perennially and perpetually by the proponent in consultation with the concerned authority of the Govt. • Topsoil excavated during mining to be stacked separately in the ML area and to be used for plantation in and around the ML area. • The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. in compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No. 114/2014, Common Cause Vs Union of India & Ors. after ceasing mining operation that is at the time of mine closure. • The project proponent shall take geo-coordinating photographs of the lease area before mining and also subsequent period of mining and submit to SEIAA, Odisha in six (06) months EC compliance with photographs
1.3	<p>Maximum permissible depth of mining: - Maximum depth of mining from the top surface/ground level of this area, at any point, up to which quarrying may be permitted shall be 6 meters as stipulated in rule 37(1) (a) of the OMMC Rule, 2016. Quarry excavation shall not proceed below a level on the hill slope, and shall not touch the base of the hill in any case. The exploitation of stone material from the hill shall be carried out in a systematic manner, spreading the quarrying activity to cover all the economic veins of minerals and proceeding uniformly to more and more depths from all sides simultaneously.</p>
1.4	<p>Maximum permissible quantity: Maximum yearly quantity of extraction from the quarry shall not exceed its annual limit as specified above under stipulation in Table 'A stipulations'-sl. A(v) and the total production shall be 6253.5 cum during the valid lease period of five (05) years as per the approved mining plan. Any flouting of this quantitative restriction shall make this EC liable to cancellation.</p>
1.5	<p>No change in the mining plan without prior approval of SEIAA: - Any change in the calendar plan, change in production quantity or method of mining shall not be made without prior approval of the SEIAA. Mining activity shall adhere to the working parameters of the approved mining plan prepared for this project. The detailed production of laterite stone from the lease area of each year shall be submitted in tabular form during submission of compliance report.</p>
1.6	<p>Environmental Management Plan: (i) EMP shall be implemented by PP to ensure compliance with the environmental conditions specified above. The year wise funds earmarked for environmental protection measures shall be kept in a separate account and shall be spent according to the plan proposed in coordination with Tahasildar/Mining Officer. Year wise progress of implementation of EMP shall be reported to the SEIAA, Odisha and OSPCB along with the compliance report. The Tahasildar/Mining Officer shall ensure the compliance of this condition along with all the lease holders of his jurisdiction.</p> <p>(ii) The PP will implement the EMP with a budgetary allocation of Rs.80 Lakh (Occupational Health and Safety of the worker) and Rs.1.20 lakh/annum for the lease area as proposed during the valid lease period of 5 years. The detailed expenditure on EMP shall be submitted with six monthly compliance reports.</p>

S. No	EC Conditions
1.7	As per the submission of Mining Officer, Bargarh vide letter no.870 dated 24.10.2024 a safety zone of 500 m from the bridge shall be maintain as “No Mining Zone”. The rest part area i.e 2.18 acres or 0.882 Ha area over the same plot is allowed for mining. The revised area shall be updated in the DSR. Also, a safety distance of 50 m from the river bank shall be taken for mining. The PP shall do plantation and stone packing for the protection of River Embankment. For the Protection of River Embankment, Competent Authority shall monitor at a regular interval.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Project Authorities should widely advertise about the grant of this EC letter by printing the same in at least two local newspapers, one of which shall be in vernacular language of the concerned area. The advertisement shall be done within 7 days of the issue of the clearance letter mentioning that the instant project has been accorded EC and copy of the EC letter is available with the State Pollution Control Board/Committee and web site of the Ministry of Environment, Forest and Climate Change (www.parivesh.nic.in). A copy of the advertisement may be forwarded to the concerned MoEFCC Regional Office for compliance and record.
1.2	The Project proponent complies with all the statutory requirements and judgment of Hon’ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India &Ors before commencing the mining operations.
1.3	The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgment of Hon’ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
1.4	The Project Proponent shall follow the mitigation measures provided in MoEFCC’s Office Memorandum No. Z-11013/57/2014-IA.II (M), dated 29th October, 2014, titled “Impact of mining activities on Habitations-Issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area.”
1.5	A copy of EC letter will be marked to concerned Panchayat / local NGO etc. if any, from whom suggestion / representation has been received while processing the proposal.
1.6	State Pollution Control Board/Committee shall be responsible for display of this EC letter at its Regional office, District Industries Centre and Collector’s office/ Tehsildar’s Office for 30 days.
1.7	This Environmental Clearance (EC) is subject to orders/ judgment of Honble Supreme Court of India, Honble High Court, Honble NGT and any other Court of Law, Common Cause Conditions as may be applicable.
1.8	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of

S. No	EC Conditions
	drawl of surface water required for the project.
1.9	The Project Proponent shall inform the SEIAA, Odisha for any change in ownership of the mining lease. In case there is any change in ownership or mining lease is transferred. PP needs to apply for transfer of EC as per provisions of the para 11 of EIA Notification, 2006 as amended from time to time.
1.10	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
1.11	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.
1.12	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of Schedule-I species in the study area).
1.13	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.14	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

2.

S. No	EC Conditions
2.1	The Project Proponent shall carryout plantation/ afforestation in backfilled and reclaimed area of mining lease, around water body, along the roadsides, in community areas etc. by planting the native species in consultation with the State Forest Department/ Agriculture Department/ Rural development department/ Tribal Welfare Department/ Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. The density of the trees should be around 2500 saplings per Hectare. Adequate budgetary provision shall be made for protection and care of trees.
2.2	The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun, should be scrupulously guarded/ protected against felling and plantation of such trees should be promoted.

3. Air Quality Monitoring And Preservation

S. No	EC Conditions
3.1	Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc.) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road, loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/ machineries and preventive maintenance. Use of suitable water-soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. It shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/ Central Pollution Control Board.
3.2	The project proponent use leak proof trucks/dumpers carrying ore and other raw materials and cover them with tarpaulin.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
4.2	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.3	The project proponent shall practice rainwater harvesting to maximum possible extent.
4.4	The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

5. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
5.1	The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM, etc. should be provided with ear plugs /muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/ personals/ laborers are working without personal protective equipment.
5.2	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 /night hours.

6. Noise Monitoring And Prevention

S. No	EC Conditions
6.1	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

7. Mining Plan

S. No	EC Conditions
7.1	The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.
7.2	The Project Proponent shall adhere to approved mining plan, inter alia, including, total excavation (quantum of mineral, waste, over burden, inter burden and top soil etc.); mining technology; lease area; scope of working (method of mining, overburden & dump management, O.B& dump mining, mineral transportation mode, ultimate depth of mining, concurrent reclamation and reclamation at mine closure; land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life; etc.).
7.3	<p>No Mining Zone: The lessee shall ensure that no quarrying or mining is carried out in the areas as specified below: -</p> <ul style="list-style-type: none"> • 7.5-meter safety zone shall be kept from all sides of the lease boundary as per the approved mining plan. • within 100m (minimum distance criteria when blasting is not involved) and within 200m (minimum distance criteria when blasting is involved) from residential/ public buildings, inhabited sites, protected monuments, Heritage sites, National/State Highway, District roads, public roads, Railway line/area, Ropeway or Ropeway trestle or station, Bridges, Dam, Reservoirs, river, Canals, lakes or Tanks, or any other locations etc. • below ground water table under any circumstances. If ground water table occurs /intervenes within the permitted mining depth, then the quarrying shall be stopped immediately; • in the vicinity of natural /manmade archeological sites;

8. Energy Conservation Measures

S. No	EC Conditions
8.1	Provide LED lights in their offices and residential areas.

9. Land Reclamation

S. No	EC Conditions
9.1	The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain

S. No	EC Conditions
	the slope stability, prevent erosion and surface run off. The selection of local species regulates local climatic parameters and help in adaptation of plant species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps. The dump mass should be consolidated with the help of dozer/ compactors thereby ensuring proper filling/ leveling of dump mass. In critical areas, use of geo textiles/ geo-membranes / clay liners / Bentonite etc. shall be undertaken for stabilization of the dump.
9.2	The Overburden (O.B.), waste and topsoil generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB / waste dumps / topsoil dump like height, width and angle of slope shall be governed as per the approved Mining Plan and the guidelines/circulars issued by D.G.M.S. The topsoil shall be used for land reclamation and plantation.
9.3	<ul style="list-style-type: none"> The project proponent shall undertake re-grassing of the area or any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for fodder, flora, fauna etc. in compliance to the direction dated 8th January, 2020 of Hon'ble Supreme Court in Writ Petition(s) Civil No. 114/2014, Common Cause Vs Union of India & Ors. after ceasing mining operation that is at the time of mine closure.

10. Waste Management

S. No	EC Conditions
10.1	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

11. Transportation

S. No	EC Conditions
11.1	No Transportation of the minerals shall be allowed in case of roads passing through villages/ habitations. In such cases, PP shall construct a 'bypass' road for the purpose of transportation of the minerals leaving an adequate gap (say at least 200 meters) so that the adverse impact of sound and dust along with chances of accidents could be mitigated. All costs resulting from widening and strengthening of existing public road network shall be borne by the PP in consultation with nodal State Govt. Department. Transportation of minerals through road movement in case of existing village/ rural roads shall be allowed in consultation with nodal State Govt. Department only after required strengthening such that the carrying capacity of roads is increased to handle the traffic load. The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly. Vehicular emissions shall be kept under control and regularly monitored. Project should obtain Pollution Under Control (PUC) certificate for all the vehicles from authorized pollution testing centers. [If applicable in case of road transport].
11.2	<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.

S. No	EC Conditions
	<ul style="list-style-type: none"> • 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.

12. Green Belt And Emp

S. No	EC Conditions
12.1	Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant

13. Green Belt

S. No	EC Conditions
13.1	The Project Proponent shall develop greenbelt in 7.5m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.

14. Miscellaneous

S. No	EC Conditions
14.1	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

S. No	EC Conditions
14.2	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
14.3	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
14.4	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 within seven days and in addition this shall also be displayed in the project proponents website permanently.
14.5	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.
14.6	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 made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
14.7	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.
14.8	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.
14.9	44) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
14.10	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
14.11	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
14.12	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
14.13	In pursuant to Ministrys O.M No 22-34/2018-IA.III dated 16.01.2020 to comply with the direction made by Honble 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

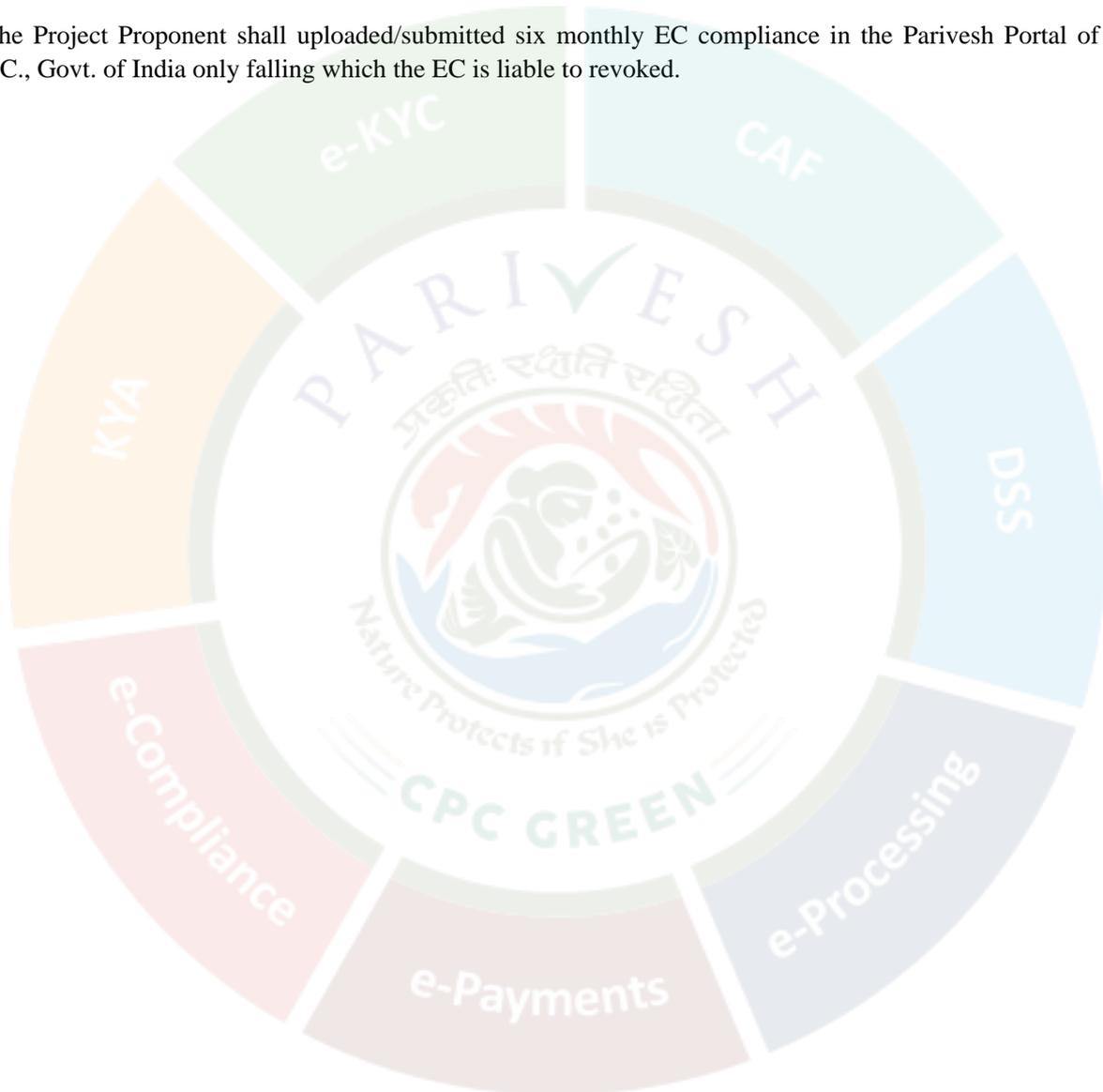
S. No	EC Conditions
	regrassing the mining area and any other area which may have been disturbed due to other mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
14.14	The above conditions will be enforced inter-alia, under the provisions of the 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 made there under and also any other orders passed by the Hon'ble Supreme Court of India/High Court and any other Court of Law relating to the subject matter.
14.15	Concealing factual data failure to comply with any or submission of false/ fabricated data and of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.16	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
14.17	The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEF&CC.
14.18	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.
14.19	A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive. The Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientists and Mining Engineers shall be appointed and submit a report to RO, MoEF&CC.
14.20	The concerned Regional Office of the MoEF&CC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEF&CC officer(s) by furnishing the requisite data / information / monitoring reports.
14.21	The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
14.22	The Project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MOEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.

Additional EC Conditions

1. Maximum depth of mining 6.0 meter from the surface level and maximum quantity of extraction shall be limited to **1250.7 cum/annum** , total production in 5 years period-**6253.5 cum**
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 shall implement the EMP with a budgetary allocation of **Rs. 1.20 Lakh/annum** and **Rs. 0.80 Lakh**

(Occupational Health and Safety of the workers) as proposed in the EMP report during EC application.

4. The PP shall plant **150 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 lebbek*), 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.
5. 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. 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 mining of sand from Sankirda (A) Sand Quarry over an area of 2.18 Acres or 0.882 Hectares having Khata No-466, Plot No-1334(P) at village Sankirda, Tahasil-Bheden, Dist-Bargarh, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. 64O/15 and is bounded between the Latitude- 21° 16' 03.01" N to 21° 16' 08.02" N and Longitude – 83° 50' 45.48" E to 83° 50' 49.73" E bearing Khata no. 466, Plot No. 1334, Kissam-Nadi
- (iii) The mining lease is an identified sairat source in the DSR. The Sankirda (A) Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Tahasildar, Bheden to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, EMP, PFR, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Tahasildar, Bheden, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-Yes, of Rs. 2000/- vide e Challan Reference Id no. 37F364D46B dt. 06.03.2024
- (vii) Distance from nearest sanctuary/ESZ- Debrigarh WLS-26.5 Km
- (viii) Whether the lease area coming in DLC report-No, NA
- (ix) Whether the lease area reflecting in DSR-Yes
- (x) Method of mining-Manual
- (xi) River-Jhaun, Depth of sand deposition-1.1 meter
- (xii) Distance from nearest road bridge-0.51 km, Village road-0.50 km, River embankment-0.05 meter
- (xiii) Whether it is part of cluster – No.
- (xiv) Whether EC obtained earlier-No
- (xv) Date of approval of mining plan- by the Joint Director of Geology, Zonal Survey, Sambalpur vide letter no. 204 dt. 01.03.2023.
- (xvi) Production capacity per annum-1250.7 cum/annum (max.), total production in 5 years period-6253.5 cum, Geological reserve-9704.2 cum and Mineable reserve-2501.4 cum.
- (xvii) The DSR has not been prepared as per the MoEF& CC, Govt. of India Notification S.O. 3611(E) dated 25.07.2018, Sustainable sand mining guidelines-2016 and Enforcement & Monitoring Guideline for sand mining-2020 and as per the Hon'ble Supreme Court order vide its order dated 10.11.2021 in Civil Appeal Nos. 3661-3662 of 2020 (State of Bihar Vrs. Pawan Kumar and Others).
- (xviii) Budget provision for EMP of Rs. 1.30 Lakh/annum (Recurring cost)
- (xix) 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 29th April, 01st, 02nd, 03rd and 04th May 2024 and the **SEAC recommended to grant EC** valid from the date of EC accorded upto the lease period with specific conditions stipulated for sand mine with following additional conditions.

- i) 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.
- ii) In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- iii) 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.

- iv) Plantation programme to be completed within first two years and to be maintained in remaining years.
- v) The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- vi) The proponent shall provide Bio- toilet for the workers.
- vii) Project Proponent shall not disturb the water course during mining

However, EC shall be granted subject to submission of following -

- a) Satisfactory clarification for reasons including area in lease less than area identified in DSR (i.e., Area as per DSR is 4.62 ha. but as per lease is only 0.882 ha.)
 - b) Guidelines for protection of river embankment shall be strictly followed.
3. The Proposal was placed in 172nd SEIAA, Odisha meeting held on 16.07.2024 & 18.07.2024. After detailed deliberation in the matter, the authority decided to seek clarification /information on the following from the Mining Officer/PP: -
- a) Satisfactory clarification for reasons including area in lease less than area identified in DSR (i.e., Area as per DSR is 4.62 ha. but as per lease is only 0.882 ha.)
 - b) Guidelines to be followed for protection of river embankment by PP.

Accordingly, EDS raised by SEIAA dated 01.08.2024.

4. Now, the Mining Officer, Bargarh has reply of EDS vide letter no.870 dated 24.10.2024 with mentioned that initially the lease area was granted for 4.62 ha over Khata no. 466, Plot no. 1334 (P) which was already reflected in the DSR of Bargarh District. After proper filed inspection, it was found that a small bridge is located at a distance of 510 m in the Jhaun River. As per the safety guidelines of Enforcement & Monitoring Guidelines for Sand Mining 2020, a safety zone of 500 m from the bridge was declared as "No Mining Zone". The rest part area i.e 2.18 acres or 0.882 Ha area over the same plot was a good source of sand deposit area was kept for mining. The revised area will be updated in the DSR later and submitted your office. Also, the mining Officer has mentioned that a safety distance of 50 m from the river bank will be taken for mining. The PP will do plantation and stone packing for the protection of River Embankment. For the Protection of River Embankment, Competent Authority will monitor at a regular interval.