



सत्यमेव जयते

File No.: 466890/40-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,

Smt. Suprava Nayak, MO, Keonjhar
Mining office, Keonjhar
Mining Officer Cum Competent Authority Champua Subdivision, O/o the Deputy Director o Mines,
Keonjhar Circle Keonjhar 758001, KENDUJHAR, ODISHA, 758001
mo.champua.keonjhar@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project 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/466890/2024 dated 23/03/2024 for grant of prior Environmental Clearance (EC) to the project for mining of sand from Macmillanpur Sand Quarry over an area of 6.250 acres or 2.529 hectares in village Macmillanpur under Champua Tahasil in Keonjhar District, Odisha to Smt. Suprava Nayak, Mining Officer 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.	EC24C0107OR5319209N
(ii) File No.	466890/40-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	Proposed Mining of Sand from Macmillanpur Sand Quarry over an area of 6.250 Acres or 2.529 Ha. located in Village- Macmillanpur, Tahasil- Champua, District-Keonjhar
(ix) Location of Project (District, State)	Village- Macmillanpur, Tahasil- Champua, District-Keonjhar
(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 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.

4. The above-mentioned proposal has been considered by SEAC in its meeting held on 05.10.2024. 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. Brief description of the project is as under.

5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form-2 in the reports and presented before SEAC are annexed to this EC as **Annexure- 2**.

6. This SEAC in its meeting held on 05.10. 2024, based on information submitted viz: Form-2, EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as detailed in the point below.

7. The State Environment Impact Assessment Authority (SEIAA), Odisha has examined the proposal in 182nd meeting held on 18.12.2024 in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEAC hereby accords Environment Clearance for the instant proposal for “extraction of sand from Macmillanpur Sand Quarry over an area of 6.250 acres or 2.529 hectares in village Macmillanpur under Champua Tahasil in Keonjhar District, Odisha to Smt. Suprava Nayak, Mining Officer 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**.

Stipulations

Sl. Descriptions	Stipulation
(i) Lease Area:	6.250 Acres or 2.529 Ha.
(ii) No Mining Zone:	(i). The PP shall maintain safety and stability of Riverbanks i.e. 3 meter or 10% of river width whichever is more for protection of river bank and (ii). 7.5-meter safety zone from all sides of lease boundary. (iii). No stream should be diverted for the purpose of sand mining. No natural water course and/or water resources are obstructed due to mining operations.
(iii) Maximum Depth of Mining:	1.0 meter as per the approved mining plan
(iv) Method of Mining:	Manual
(v) Permitted Quantity:	3000 cum/annum for 1 st year with depth of mining 1.0 meter
(vi) Validity Period of EC:	The validity of EC is for validity of lease period
(vii)ARRS report	The PP shall carry out the ARRS study through a NABET or ORSAC empanelled agency and submit to SEIAA, Odisha by 31st December 2025 .

8. The SEIAA, Odisha reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

9. 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.

10.The PP is under obligation to implement commitments made in the Environment Management Plan (EMP) of. Rs.1.15 Lakh/annum (Recurring Cost) and Rs. 0.70 Lakh (Budget provision for Health Safety of the workers) which forms part of this EC.

11. Validity of EC is for validity of lease period granted by the lease granting authority.

12.General Instructions:

- 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 website where it is displayed.
- 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.

- 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.
- Action plan for implementing EMP and environmental conditions along with a 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 a separate account and not to be diverted for any other purpose. Six monthly progress of implementation of the action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
- 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.
- The Integrated Regional Office of MoEF & CC, Bhubaneswar, SPCB, Odisha and the lease granting Authority 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.
- 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.

13. 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, Keonjhar, Sub-Collector, Keonjhar, Deputy Director of Mines, Keonjhar, DFO, Keonjhar, RO, SPCB, Keonjhar, Tahasildar, Champua/Mining Officer, Keonjhar 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) 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.
1.2	The extraction of sand shall be limited to 3000 cum / annum for the 1 st year with average depth of 1.0 meter.
1.3	The Annual Rate of Replenishment Study (ARRS) is to be conducted through ORSAC empanel agency or NABET Consultant as per the prescribed guidelines and the PP shall submit the report latest by 31 st December, 2025.
1.4	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.
1.5	The PP will implement the EMP with a budgetary allocation of Rs.1.15 Lakh/annum (Recurring Cost) and Rs. 0.70 Lakh (Budget provision for Health Safety of the workers) as proposed during the valid lease period of 5 years. The detailed expenditure on EMP shall be submitted with six monthly compliance report.
1.6	Mining shall not be undertaken in a mining lease located in 250-500 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.
1.7	The mining officer/ or competent authority shall take adequate measures to prevent unauthorized mining.

Standard EC Conditions for (Mining of minerals)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Project Proponent shall inform the MoEF&CC 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.

S. No	EC Conditions
1.2	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.
1.3	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.
1.4	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.
1.5	Project Proponent (PP) shall obtain Consent to Operate after grant of EC and effectively implement all the conditions stipulated therein. The mining activity shall not commence prior to obtaining Consent to Establish / Consent to Operate from the concerned State Pollution Control Board. The SPCB, Odisha shall ensure that there is no change in the extraction quantity as given in the EC stipulations in respect of year wise permitted quantity before giving 'consent to operate' to this project.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	Appropriate Air Pollution measures shall be taken for all the dust generating points including fugitive dust from all vulnerable sources.
2.2	The project proponent use leak proof trucks/dumpers carrying sand and cover them with tarpaulin.
2.3	The project proponent shall install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to S02 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each).covering upwind and downwind directions.
2.4	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. Noise Monitoring And Prevention

S. No	EC Conditions
3.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
3.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz.

S. No	EC Conditions
	75 dB(A) during day time and 70 dB(A) during night time.

4. Noise And Vibration Monitoring And Prevention

S. No	EC Conditions
4.1	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.
4.2	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.
4.3	The peak particle velocity at 500m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
4.4	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.

5. Mining Plan

S. No	EC Conditions
5.1	<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 /

S. No	EC Conditions
	<p>industrial purposes.</p> <ul style="list-style-type: none"> The natural sand dunes, if any, near or surrounding the lease area shall not be disturbed.
5.2	<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. 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.
5.3	Mining shall be carried out under strict adherence to provisions of the OMMC Rules 2016 and subordinate legislations made there-under as applicable.
5.4	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by mining laws related to sand mining and the relevant circulars issued by DDM and state Govt.
5.5	Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

6. Waste Management

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

7. Green Belt And Emp

S. No	EC Conditions
7.1	The PP shall plant 250 nos. of tree species like Banyan (<i>Ficus benghalensis</i>), Peepal (<i>Ficus religiosa</i>), Neem (<i>Azadirachta indica</i>), Jamun (<i>Syzygium cumini</i>), Mango (<i>Mangifera indica</i>), Karanja (<i>Pongamia pinnata</i>), Arjun (<i>Terminalia Arjuna</i>), Jack fruit (<i>Artocarpus heterophyllus</i>), Siris (<i>Albizia lebbeck</i>), 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 after consultation with concerned DFO and Mining Officer/Tahasildar.

8. Transportation

S. No	EC Conditions
8.1	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].

9. Green Belt

S. No	EC Conditions
9.1	The PP shall plant 250 nos. of tree species like Banyan (<i>Ficus benghalensis</i>), Peepal (<i>Ficus religiosa</i>), Neem (<i>Azadirachta indica</i>), Jamun (<i>Syzygium cumini</i>), Mango (<i>Mangifera indica</i>), Karanja (<i>Pongamia pinnata</i>), Arjun (<i>Terminalia Arjuna</i>), Jack fruit (<i>Artocarpus heterophyllus</i>), Siris (<i>Albizia lebbeck</i>), 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 after consultation with concerned DFO and Mining Officer/Tahasildar.

10. Corporate Environment Responsibility

S. No	EC Conditions
10.1	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
10.2	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to

S. No	EC Conditions
	be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
10.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

11. Miscellaneous

S. No	EC Conditions
11.1	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.2	No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, Odisha.
11.3	The project proponent shall abide by all the commitments and recommendations made in the EMP report submitted during EC application.
11.4	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.
11.5	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.
11.6	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.
11.7	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.
11.8	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.
11.9	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

S. No	EC Conditions
	Court of India/High Court and any other Court of Law relating to the subject matter.
11.10	It shall be mandatory for the project management to submit half yearly compliance reports on the status of implementation of the above stipulated environmental safeguards to the SEIAA, Odisha / Regional Office of the MoEF& CC, Bhubaneswar in soft copies on 1 st day of June and December of each calendar year. No hard copy of six-monthly compliance report shall be submitted to SEIAA. The proponent shall upload the six-monthly compliance report including results of monitored data, as applicable in the website of the Ministry(www.parivesh.nic.in) for monitoring of EC Conditions, failing which EC is liable to be revoked.
11.11	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.
11.12	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.
11.13	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.
11.14	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.
11.15	The SEIAA, Odisha or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
11.16	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.
11.17	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.
11.18	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.
11.19	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 proponent's website permanently.
11.20	The copies of the environmental clearance shall be submitted by the project proponents to the Heads

S. No	EC Conditions
	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.
11.21	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.
11.22	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.
11.23	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.24	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

12. Air Quality Monitoring And Mitigation Measure

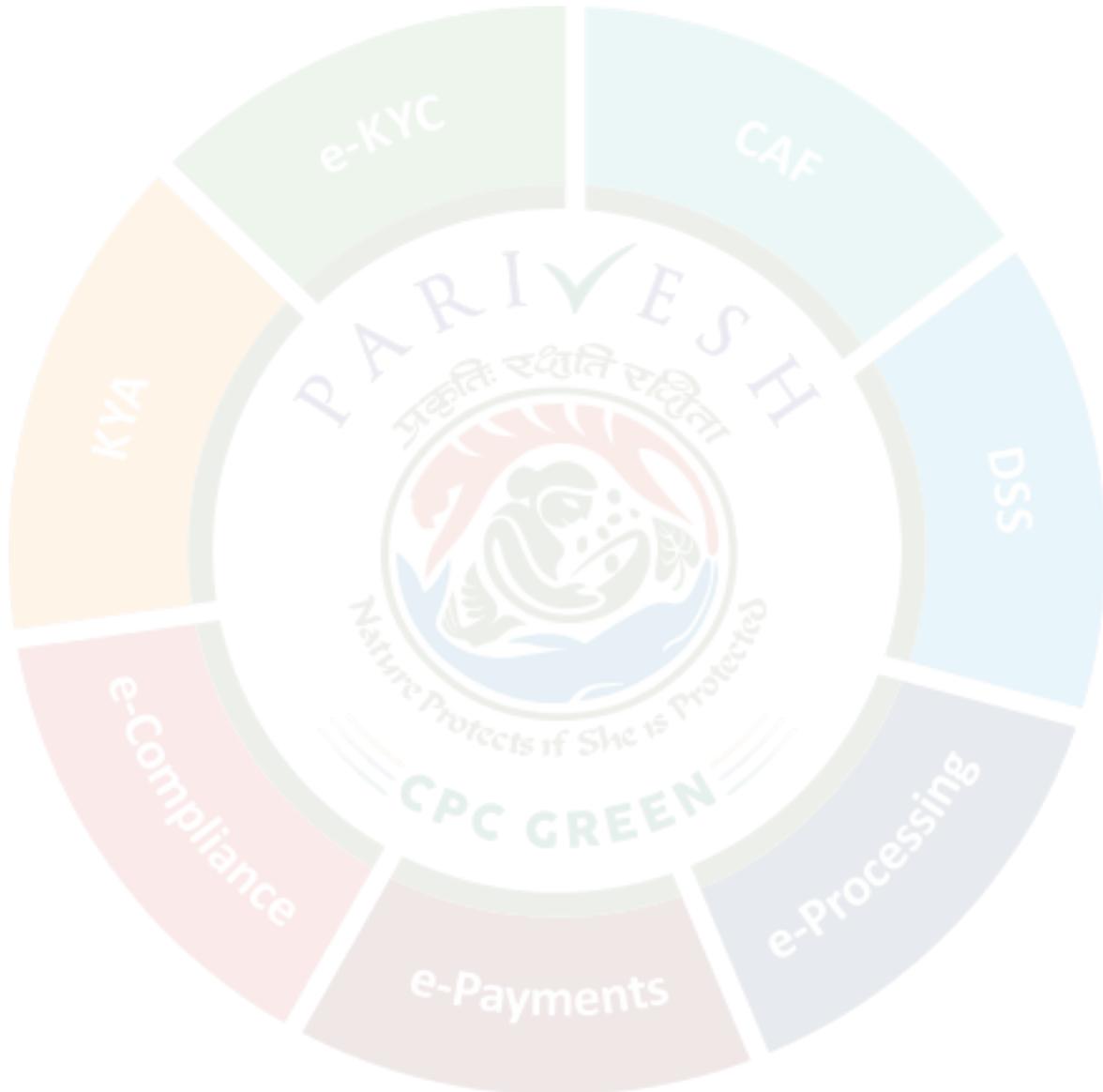
S. No	EC Conditions
12.1	Major approach roads shall be black topped and properly maintained.
12.2	The transportation of sand shall be carried out as per the provisions and route proposed in the approved mining plan. Transportation of the sand through the existing road passing through any village shall 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.
12.3	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.

Additional EC Conditions

1. The extraction quantity of sand shall be limited to **3000 cum / annum** for the 1st year with average depth of **1.0 meter**.
2. The EC is valid for the lease period granted lease granting Authority or 5 year whichever is earlier.
3. The Annual Rate of Replenishment Study (ARRS) is to be conducted through ORSAC empanel agency or NABET Consultant as per the prescribed guidelines and the PP shall submit the report latest by **31st December, 2025**.
4. The PP shall implement the EMP with a budgetary allocation of **Rs.1.15 Lakh/annum (Recurring Cost) and Rs. 0.70 Lakh (Budget provision for Health Safety of the workers)** 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 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.

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 be 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 EC of Macmillanpur Sand Quarry over an area of 6.250 acres or 2.529 hectares in village Macmillanpur under Champua Tahasil in Keonjhar District, Odisha.
- (ii) The mining area is a part of Survey of India Toposheet No. F45N9 and the lease area bounded by Latitude: 21° 59' 17.64" N to 21° 59' 20.87" N and Longitude 85° 43' 15.98" E to 85° 43' 30.63" bearing Khata no.38 and Plot no.111, Kissam-Nadi.
- (iii) The mining lease is an identified sairat source in the DSR. The Macmillanpur Sand Quarry sairat source will be leased out under the OMMC Rules, 2016 by Mining Officer, Keonjhar to the successful bidder (lessee) on the basis of public auction for a lease period of 5 years.
- (iv) Documents submitted: -Form-1, PFR, EMP, checklist, Mining Plan and approval letter, DSR, Village sheet, Cluster certificate from Mining Officer, Keonjhar, topo map etc.
- (v) Whether submitted KML file of the lease area-Yes
- (vi) Whether submitted scrutiny fee-No, NA as Mining Officer is the applicant
- (vii) Distance from nearest sanctuary/ESZ- Similipal WLS-41.16Km
- (viii) Whether the lease area coming in DLC report-No, NA
- (ix) Method of mining-Manual
- (x) River-Baitarani Dept of sand deposition-1.0 m
- (xi) Whether the lease area reflecting in DSR-Yes
- (xii) Distance from nearest road bridge-5.9 km, village road 0.80 km
- (xiii) Whether it is part of cluster –No
- (xiv) Whether EC obtained earlier-No
- (xv) Date of approval of mining plan- the Joint Director of Geology, Keonjhar vide letter no.237 dated 14.03.2024
- (xvi) As per approved mining plan the Geological reserve of the quarry is 16546 cum, Mineable reserve is 7590 cum, annual production will be 3000/annum and total production in 5 years is 15000 cum.
- (xvii) Whether the DSR has 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- No
- (xviii) Budget provision for EMP- Rs.1.15 Lakh/annum (Recurring Cost) and Rs. 0.70 Lakh (Budget provision for Health Safety of te workers)
- (xix) Any deficiencies/omission have been noticed in the above documents- The Tahasiladar has certified that there is no other quarry within 500 meters of the proposed qury but in the KML file it shows tht some mining activities occurred continusly within 500-meter radius the proposed quarry.

2. Whether SEAC recommended the proposal – Yes, the proposal was placed in the SEAC meeting held on 05.10.2024 and The SEAC observed the following:
 - i. The PP is Mining officer of Keonjhar Circle. It has submitted the modified Mining Plan approved on 14/03/2024 excluding the area falling under concave sides of river bank and considering it as no mining zone along with approval letter of revised mining plan.
 - ii. As per the revised Mining plan, 3000 cum quantity of sand per year has been requested for next five year.
 - iii. EC may be granted for the 1st year of operation. But from the second year onwards, EC may be granted as per the replenished value.

- iv. 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.
- v. 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.
- vi. In view of likely revision of DSR the mention of this deposit with final coordinates is to be ensured.
- vii. 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.
- viii. Plantation programme to be completed within first two years and to be maintained in remaining years.
- ix. The Project proponent shall follow Sustainable Sand Mining Guidelines, 2020.
- x. The proponent shall provide Bio- toilet for the workers.
- xi. vii) Project Proponent shall not disturb the water course during mining.

