

**MINUTES OF THE 119TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY (GOA-SEIAA) MEETING HELD ON 18/11/2023 AT 10:00 A.M. IN
THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO,
PANAJI-GOA.**

The 119th meeting of the Goa - SEIAA (*hereinafter referred as 'Authority'*) was held on 18th November 2023 at 10:00 am in the conference room, 4th floor, Dempo Tower, Patto, Panaji. The list of members present during the meeting is annexed (*refer Annexure - 1*).

At the outset, Chairman welcomed Authority members and briefed about the agenda items (*refer Annexure - 2*) to be taken up for discussion / deliberations and appropriate decision. Accordingly, the same were considered as detailed below.

1. To decide on application received from M/s Pacifica Hotels India Private Limited for proposed construction of hotel project 'Hyatt Regency' in plot bearing Survey No. 31/1-A-1 of Pilerne village, Bardez Goa for prior Environmental Clearance.

The Director of M/s Pacifica Hotels India Private Limited Abhinav Kapoor along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the following details:

- i. Details of existing trees and tree plantation (Large canopy).
- ii. Explore the possibility of enhancing solar energy generation by adding more solar panels.
- iii. Details of activities to be undertaken under CER.

Further, the Authority decided to inspect the site on 20/11/2023 to verify the actual site condition.

2. To decide on application received from Buildwell Corporation for basalt stone quarry bearing lease no. 03/Basalt/87 located at Survey No. 213/1(P) of village Morombi-o-Grande of Tiswadi taluka, North Goa for prior Environmental Clearance.

The Project Proponent Jema Luiza Pinto along with her team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:



1. The project proponent is required to mandatorily comply with the following 'General conditions'

- a) **'Goa Mineral Concession (Amendment) Rules, 2012'** notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
- b) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 **specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa vis-a-vis** list of projects and activities prohibited / regulated therein.
- c) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (*MoEF&CC*) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
- d) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.
- e) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.
- f) The lease holder should comply with the proposed plan of action/ *modus operandi* for extraction of basalt stones within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers vis-a-vis maintaining hygiene surrounding the proposed lease boundary.
- g) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).
- h) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- i) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- j) Green belt development around quarry shall be carried out considering CPCB

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guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.

- k) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- l) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).
- o) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying operations /extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the provisions of the EIA Notification, 2006 (*as amended till date*).
- p) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- q) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- r) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

2. Project Proponent should implement Dust mitigation measures for mining activities such as:

- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.

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- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. **In addition, the Project Proponent needs to comply with the following ' Specific conditions'**

- a) The proposed extraction capacity of minor mineral i.e. basalt stone and murrum from the said lease (i.e. from 4ha) shall not exceed 17000 M³ per annum and 15000M³ per annum respectively.
- b) As referred to in the Environment Management Plan (EMP), dust suppression measures (i.e. water sprinklers) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- c) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).
- d) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.
- e) Project Proponent should provide fencing around the quarry pit.
- f) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.

3. **To decide on application received from Raj Housing Development Private Limited for proposed construction of a residential project "Raj Enclave" located in P.T. Sheet No. 8 of Chalta No. 01 in Mapusa Municipal Council area of Bardez Taluka, North Goa for prior Environmental Clearance.**

The representative of Raj Housing Development Private Limited. Shri. Sandip Nigalye along with his team appeared before the Authority and explained the details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority decided to inspect the site to verify the site condition.

4. **To decide on application received for ToR from Orange Fox Steels Pvt. Ltd for production of 43200TPA of MS Ingots/Billets, runners and risers using induction furnance of capacity 12 MT/Hr and production of 54000TPA of MS Rolling Material such as CTD Bars, TMT Bars, MS Rounds, MS Squares, Miss Rolls & End Cuttings by using Reheating Furnance of capacity 10MT/hour on plot No. L-25 &L-26 of Cuncolim Industrial Estate, Cuncolim Goa.**

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The representative of Orange Fox Steels Pvt Ltd Shri Vikas Agarwal along with his team appeared before the Authority and explained details of the project.

Decision: The Project Proponent made a request to review the decision of imposing violation for not seeking prior Environmental Clearance.

The Authority after scrutinizing the documents submitted by the Project Proponent, noted that the PP has initiated the project activities without obtaining prior Environmental Clearance. The PP had obtained consent to operate from the Goa State Pollution Control Board for the production capacity of 43200 per annum for M.S. ingots which exceeds the capacity as mentioned in Scheduled 3(a) of EIA Notification 2006.

As per the EIA Notification 2006 (as amended till date), doing activities, which attract the said Notification, without Environmental Clearance becomes a clear case of violation.

As referred to the Office Memorandum (Standard Operating Procedure for handling of violation cases) dated 07th July 2021, 1% of the total project cost has to be penalized for violation cases. Further the Project Proponent admitted that the project is being carried out without obtaining the EC. Therefore, the Authority decided to grant the following standard Terms of Reference subject to payment of fine of Rs. 12,66,000/- (Rupees Twelve Lakhs Sixty Six Thousand Only) on total cost of project i.e. 12,66,00,000/- (Rupees Twelve Crores Sixty Six Lakhs Only) for violation.

TERMS OF REFERENCE (TOR)

a. Executive Summary

b. Introduction

1. Details of the EIA Consultant including NABET accreditation.
2. Information about the project proponent.
3. Importance and benefits of the project.

c. Project Description

1. Cost of project and time of completion.
2. Products with capacities for the proposed project.
3. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
4. List of raw materials required and their source along with mode of transportation.
5. Other chemicals and materials required with quantities and storage capacities.
6. Details of Emission, effluents, hazardous waste generation and their management.
7. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
8. Process description along with major equipments and machineries, process flow sheet (quantitative) from raw material to products to be provided.

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9. Hazard identification and details of proposed safety systems.

10. Expansion / modernization proposals:

- a) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.
- b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and /or EIA Notification 2006 shall be provided. Copies of Consent to Establish /No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consent from the SPCB shall be submitted.

4) **Site Details**

1. Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
2. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places).
3. Details w.r.t. option analysis for selection of site.
4. Co-ordinates (lat-long) of all four corners of the site.
5. Google map-Earth downloaded of the project site.
6. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
7. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
8. Land use break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
9. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
10. Geological features and Geo-hydrological status of the study area shall be included.
11. Details of Drainage of the project upto 5km radius of study area. If the site is within

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1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)

12. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
13. R&R details in respect of land in line with state Government policy.

5. Environmental Status

1. Determination of atmospheric inversion level at the project site and site-specific micro- meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
2. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
3. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
4. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
5. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
6. Ground water monitoring at minimum at 8 locations shall be included.
7. Noise levels monitoring at 8 locations within the study area.
8. Soil Characteristic as per CPCB guidelines.
9. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
10. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
11. Socio-economic status of the study area.

6) Impact and Environment Management Plan

1. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain

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characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

2. Water Quality modelling - in case of discharge in water body.
3. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
4. A note on treatment of waste water from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E (P) Rules.
5. Details of stack emission and action plan for control of emissions to meet standards.
6. Measures for fugitive emission control.
7. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/ reuse/ recover techniques, Energy conservation, and natural resource conservation.
8. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
9. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
10. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.
11. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
12. Action plan for post-project environmental monitoring shall be submitted.
13. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster

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management plan should be linked with District Disaster Management Plan.

7. Occupational health

1. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
2. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
3. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
4. Annual report of health status of workers with special reference to Occupational Health and Safety.

8. Corporate Environment Policy

1. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
2. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
3. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
4. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
5. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
6. Enterprise Social Commitment (ESC).
 - i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
7. Any litigation pending against the project and/or any direction/order passed by any





Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

8. A tabular chart with index for point wise compliance of above ToR.
9. Specific Terms of Reference for EIA Studies for Metallurgical Industries (Ferrous & Non Ferrous)
 1. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
 2. Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
 3. Details on installation/activation of opacity meters with recording with proper calibration system.
 4. Details on toxic metals including mercury, arsenic and fluoride emissions.
 5. Details on stack height requirement for integrated steel.
 6. Details on ash disposal and management -Non-ferrous metal.
 7. Complete process flow diagram describing production of lead/zinc/copper/aluminium, etc.
 8. Raw materials substitution or elimination.
 9. Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation.
 10. Details on Holding and de-gassing of molten metal from primary and secondary aluminum, materials pre-treatment, and from melting and smelting of secondary aluminium.
 11. Details on solvent recycling.
 12. Details on precious metals recovery.
 13. Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
 14. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
 15. Trace metals Mercury, arsenic and fluoride emissions in the raw material.
 16. Trace metals in waste material especially slag.
 17. Plan for trace metal recovery.
 18. Trace metals in water.
10. Additional ToR for Integrated Steel Plant
 1. Iron ore/coal linkage documents along with the status of environmental clearance of iron ore and coal mines.
 2. Quantum of production of coal and iron ore from coal & iron ore mines and the projects they cater to. Mode of transportation to the plant and its impact.

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3. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
 4. Recent land-use map based on satellite imagery. High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.
 5. Respirable Suspended particulate matter (RSPM) present in the ambient air must be analysed for source analysis - natural dust/RSPM generated from plant operations (trace elements). The RSPM shall also be analysed for presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction, where applicable. Chemical characterization of RSPM and incorporating of RSPM data.
 6. All stock piles will have to be on top of a stable liner to avoid leaching of materials to ground water.
 7. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
 8. Plan for slag utilization.
 9. Plan for utilization of energy in off gases (coke oven, blast furnace).
 10. System of coke quenching adopted with justification.
- 5. To decide on application for corrigendum in ToR received from Salgaocar Shipping Company Limited for Block II –Sirigao-Mayem Mineral Block bearing Survey No. 1, 2, 3, 4, 5, 6, 7, 46, 47, 48, 84, 90, 91, 92, 93, 94, 95, 96, 97, 98 & 12, 47, 60, 61, 62, 79, 80, 84, road, 48, 56, 57, 58 & 59 at Mayem village, Bicholim Goa.**

The representative of Salgaocar Shipping Company Limited Mr. Nitin Sood along with his team appeared before the Authority and explained the details of the issue pertaining to change of name of the company.

Decision: After scrutinizing and perusing the corrigendum application and the representation submitted by the Project Proponent on 16/11/2023 for correction of company's name, the Authority decided to grant the ToR as per the legal name which is mentioned in the corrigendum application i.e. "Salgaocar Shipping Company Private Limited".

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.

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3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
4. All corner coordinates of the mine lease area, super imposed on a High Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/ deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/ or share holders or stakeholders at large, may also be detailed in the EIA Report.
8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
9. The study area will comprise of 10km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine/lease period.
10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the

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Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wild life in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
17. Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
18. A detailed biological study of the study area [core zone and buffer zone (10km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
19. Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
20. Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
21. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation

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&Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess the irrequirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.

22. One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
23. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
24. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
25. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
26. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
27. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
28. Based on actual monitored data, it may clearly be shown whether working will intersect ground water. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

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29. Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
30. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. As schematic diagram may also be provided for the same.
31. A time bound Progressive Green belt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed upfront on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution
32. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
33. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
34. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
35. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
36. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
37. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponents should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
38. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
39. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the

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same should be provided and also incorporated in the final EIA/EMP Report of the Project.

40. Details of litigation pending against the project, if any, with direction/ order passed by any Court of Law against the Project should be given.
41. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
42. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
44. Besides the above, the below mentioned general points are also to be followed:-
 - a) Executive Summary of the EIA/EMP Report
 - b) All documents to be properly referenced with index and continuous page numbering.
 - c) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - d) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/ NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - e) Where the documents provided are in a language other than English, an English translation should be provided.
 - f) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - g) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - i) As per the circular no. J-11011/618/2010-IA.II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

6. To decide on application received for extension of validity of Environment Clearance from Rumbrem Basalt Quarry (Samrat Industries) bearing Survey No. 23/1, Rubrem, Sanguem, South Goa.

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The Project Proponent Amul Agranayak along with his team appeared before the Authority and explained the details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority decided to grant the extension of validity of Environmental Clearance for a period of 5 years i.e upto 08/05/2028 with general condition stating that any guidelines issued by MoEF&CC by way of Notification / Office Memorandum if any issued during the validity of this EC then the said Notification/Office Memorandum, if any, will be made applicable from the date of issue of the said Notification/Office Memorandum. The Authority directed the Project Proponent to submit the details of activities to be undertaken under CER.

7. To decide on application received from Om Metals for proposed basalt stone quarry of lease area 1.73Ha located on land bearing Survey No. 24/1 of village Muguli taluka, Sanguem, South Goa for prior Environmental Clearance.

The Representative of Om Metals Shri Samir Dhakankar along with his team appeared before the Authority and explained the details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

- 1. The project proponent is required to mandatorily comply with the following 'General conditions'**
 - s) **'Goa Mineral Concession (Amendment) Rules, 2012'** notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
 - t) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 **specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa** *vis-a-vis* list of projects and activities prohibited / regulated therein.
 - u) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (*MoEF&CC*) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
 - v) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.

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- w) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.
- x) The lease holder should comply with the proposed plan of action/ *modus operandi* for extraction of basalt stones within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers vis-a-vis maintaining hygiene surrounding the proposed lease boundary.
- y) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).
- z) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- aa) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- bb) Green belt development around quarry shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.
- cc) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- dd) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- ee) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- ff) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).
- gg) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying operations / extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the

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provisions of the EIA Notification, 2006 (*as amended till date*).

- hh) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- ii) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- jj) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

2. Project Proponent should implement Dust mitigation measures for mining activities such as:

- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.
- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. In addition, the Project Proponent needs to comply with the following ' Specific conditions'

- g) The proposed extraction capacity of minor mineral (basalt stone) from the said leases (*i.e. from 1.73 ha*) shall not exceed 27000 M³ per annum.)
- h) As referred to in the Environment Management Plan (EMP), dust suppression measures (*i.e. water sprinklers*) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- i) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).
- j) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross

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Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.

- k) Project Proponent should provide fencing around the quarry pit.
- l) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.

8. To decide on application received from Deodita Stone Crushers for proposed basalt quarry bearing lease no. 06/Basalt/06 admeasuring area of 0.4Ha located on land bearing Survey No. 52/0 of village Uguem, Sanguem, South Goa for prior Environmental Clearance.

The Representative of Deodita Stone Crushers Mr. Schubert D'costa along with his team appeared before the Authority and explained details of the project.

Decision: After scrutinizing and perusing the documents submitted by the Project Proponent, the Authority directed the Project Proponent to submit the details of activities to be undertaken under CER. Further, the Authority decided to grant the Environmental Clearance under following conditions:

1. The project proponent is required to mandatorily comply with the following 'General conditions'

- a) 'Goa Mineral Concession (Amendment) Rules, 2012' notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series-I, No. 24 dated 17th September 2012.
- b) Notification S. O. 733 (E) dated 10th March 2014 issued by the erstwhile Ministry of Environment and Forests (MoEF) and published in the Gazette of India – Extraordinary, No. 624, Part-II, Section 3, Sub-section (ii) dated 10th March 2014 **specifying the list of villages categorized as Ecologically Sensitive Areas (ESAs) in the State of Goa vis-a-vis** list of projects and activities prohibited / regulated therein.
- c) Notification S.O 3977 (E) dated 14th August 2018 issued by the Ministry of Environment, Forests and Climate Change (MoEF&CC) issued under sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986.
- d) The lease holder should ascertain on-site demarcation and construction of lease boundary with cement poles/ bio-fencing/ barbed wire for the proposed leased area in question. The lease boundary may be subsequently geo-referenced for precise positioning and ground-truth verification. As such, the lease holder should ensure that minor mineral quarrying operations are restricted within the prescribed lease boundary.
- e) The lease holder should ensure construction of approach road/ proper access to enable transportation of quarried material from site to desired destination and/or crushing







unit, as applicable. Transportation of quarried material shall be done by covering the trucks with tarpaulin so that no spillage of material/ dust takes place on route.

- f) The lease holder should comply with the proposed plan of action/ *modus operandi* for extraction of basalt stones within the available lease boundary limits in terms of provisions of Mines and Safety Rules/ Guidelines, as applicable. In addition, safety gadgets and health-care facilities should be provided to workers vis-a-vis maintaining hygiene surrounding the proposed lease boundary.
- g) The lease holder shall undertake adequate safeguard measures during extraction of basalt stone and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected/ altered/ polluted. Quarrying operations should be limited to **day-hours time** (06 a.m. to 06 p.m. only) with specified time reserved for 'blasting'. Regular monitoring of groundwater levels and its physico-chemical quality parameters shall be carried out around the quarry lease area (for minimum two locations of permanent water sources/ open well/ borewell). If there are no groundwater sources, then nearest perennial surface water sources (*i.e. stream/ river/ pond/ lake/ reservoir/ irrigational canal*) should be monitored for similar parameters on quarterly basis and/or seasonally (*i.e. pre-monsoon/ monsoon and post-monsoon*).
- h) No quarrying be carried out within the safety zone of any bridge and/or embankment as well as within the vicinity of natural/ man-made archaeological site(s).
- i) The lease holder shall implement air pollution control measures/ dust minimizing initiatives/ noise control measures, wherever applicable, within the lease area as well as establish adequate buffer zone around the lease boundary to minimize such pollution hazards. It should be ensured that the Ambient Air Quality (AAQ) parameters (*to be measures in January, April and November every-year*) as well as Noise parameters conform to the norms prescribed by the Central Pollution Control Board (CPCB) and Noise Pollution (Control) Rules, 2000 respectively.
- j) Green belt development around quarry shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department/ Zonal Agricultural Office, as applicable.
- k) The lease holder shall obtain necessary prior permission (NOC) from the Groundwater Cell of the Water Resources Department (WRD) for drawl of surface / groundwater from within the lease area.
- l) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The mining officer / in-charge of quarrying operations on-site shall submit six-monthly report in hard and soft copy formats w.r.t. specifying the status of compliance of the stipulated Environmental Clearance conditions (*i.e. Specific and General conditions*) to the Directorate of Mines and Geology (DMG), Goa, this Authority as well as Goa State Pollution Control Board (GSPCB).
- o) Any change (*i.e. modification/ expansion/ alteration*) in lease area / quarrying operations / extraction capacity/ modernization/ scope of working/ Environment management plan (EMP) shall require re-appraisal by this Authority as per the provisions of the EIA Notification, 2006 (*as amended till date*).
- p) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.

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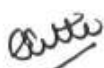
- q) The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- r) Any appeal against this prior Environmental Clearance shall lie before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (*Central Act 19 of 2010*).

2. Project Proponent should implement Dust mitigation measures for mining activities such as:

- a) Roads leading to or at quarrying sites must be paved and blacktopped (i.e metalled roads).
- b) No excavation of soil shall be carried out without adequate mitigation measures in place.
- c) No loose soil or sand and any other waste material that causes dust shall not be left uncovered.
- d) Wind-breakers of appropriate height and maximum upto 10 meters shall be provided.
- e) Water sprinkling system shall be put in place.
- f) Dust mitigation measures shall be displayed prominently at the quarrying site for easy public viewing.
- g) Grinding and cutting of materials in open area shall be prohibited.
- h) Raw material and waste should be stored only within earmarked area and roads side storage of material and waste shall be prohibited.
- i) No uncovered vehicles carrying excavated material and waste shall be permitted.
- j) Excavation and disposal site shall be identified and required dust mitigation measures shall be notified at the site.

3. In addition, the Project Proponent needs to comply with the following ' Specific conditions'

- a) The proposed extraction capacity of minor mineral (basalt stone) from the said leases (*i.e. from 0.4ha*) shall not exceed 8396M³ per annum.)
- b) As referred to in the Environment Management Plan (EMP), dust suppression measures (*i.e. water sprinklers*) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- c) As per the Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 Project Proponent is mandated to do Corporate Environmental Responsibility (CER).
- d) As per office memorandum issued by MoEF&CC dated 1st May 2018, some of the activities which can be carried out in CER, are infrastructure creation for Drinking Water Supply, Sanitation, Health, Education, Skill Development, Roads, Cross Drains, Electrification including Solar Power, Solid Waste Management Facilities, Scientific Support and Awareness to Local Farmers to increase yield of crop and fodder, Rain Water Harvesting, Soil Moisture Conservation Works, Avenue Plantation, Plantation in Community areas, etc.



- e) Project Proponent should provide fencing around the quarry pit.
- f) Validity of the Environmental Clearance (EC) accorded shall be for a period of 07 (seven) years or life of the mine whichever is earlier from the date of its issue or coterminous with the lease period.

9. **Any other matter with permission of the chair.**

- i. **To decide on ToR application received from Emgee Housing Pvt. Ltd. for proposed Construction of Residential cum Commercial Scheme in plot bearing Survey No. 225/1 and 4, 227 and 234/2, Odxel, Taleigao, Ilhas Goa.**

The Authority in its 114th Goa-SEIAA meeting held on 26/09/2023 had directed Project Proponent to submit a written representation regarding incorrectness of quantum of penalty imposed. Till date no such representation from the Project Proponent has been received by this Authority.

Decision: Since, the Project Proponent has still not paid the fine amount of Rs. 1,26,18,000/- imposed by this Authority for initiating the project activities without obtaining the prior Environmental Clearance, through letter dated 18/05/2023, the Authority decided to withhold the grant of ToR until the payment is done by the Project Proponent.

- ii. **To decide on application received from Mr. Shirish Q. Kamat for Basalt Quarry in property bearing Survey No. 62/1 at Paroda Goa, Taluka Salcete, South Goa District.**

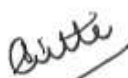
The Authority through its letter no. 25-1-2021/GSEIAA/Project-Prop/29 dated 08/05/2023 had imposed fine of Rs. 1,80,000/- for non compliance of six monthly compliance report to Project Proponent. The Project Proponent has paid 25,000/- only out of total amount.

Decision: Therefore the Authority decided to remind the Project Proponent Mr. Shirish Q. Kamat to pay the balance amount of Rs. 1,55,000/- towards penalty.

The meeting ended with thanks to chair.


(Smt. Reshma Mathew)
Member, Goa-SEIAA


(Shri. Suhas Godse)
Chairman, Goa-SEIAA


(Dr. Sneha S. Gite, IAS)
Member Secretary, Goa-SEIAA

Annexure - 1

Shri. Suhas Godse

Chairman, Goa-SEIAA

Dr. Sneha S. Gitte, IAS

Member Secretary, Goa-SEIAA

Smt. Reshma Mathew

Member, Goa-SEIAA

Annexure - 2

AGENDA OF THE 119TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING ON 18/11/2023 AT 10.00 A.M. IN THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO, PANAJI-GOA.

1. To decide on application received from M/s Pacifica Hotels India Private Limited for proposed construction of hotel project 'Hyatt Regency' in plot bearing Survey No. 31/1-A-1 of Pilerne village, Bardez Goa for prior Environmental Clearance.
2. To decide on application received from Buildwell Corporation for basalt stone quarry bearing lease no. 03/Basalt/87 located at Survey No. 213/1(P) of village Morombi-o-Grande of Tiswadi taluka, North Goa for prior Environmental Clearance.
3. To decide on application received from Raj Housing Development Private Limited for proposed construction of a residential project "Raj Enclave" located in P.T. Sheet No. 8 of Chalta No. 01 in Mapusa Municipal Council area of Bardez Taluka, North Goa for prior Environmental Clearance.
4. To decide on application received for ToR from Orange Fox Steels Pvt. Ltd for production of 43200TPA of MS Ingots/Billets, runners and risers using induction furnance of capacity 12 MT/Hr and production of 54000TPA of MS Rolling Material such as CTD Bars, TMT Bars, MS Rounds, MS Squares, Miss Rolls & End Cuttings by using Reheating Furnance of capacity 10MT/hour on plot No. L-25 & L-26 of Cuncolim Industrial Estate, Cuncolim Goa.
5. To decide on application for corrigendum in ToR received from Salgaocar Shipping Company Limited for Block II –Sirigao-Mayem Mineral Block bearing Survey No. 1, 2, 3, 4, 5, 6, 7, 46, 47, 48, 84, 90, 91, 92, 93, 94, 95, 96, 97, 98 & 12, 47, 60, 61, 62, 79, 80, 84, road, 48, 56, 57, 58 & 59 at Mayem village, Bicholim Goa.

6. To decide on application received for extension of validity of Environment Clearance from Rumbrem Basalt Quarry (Samrat Industries) bearing Survey No. 23/1, Rubrem, Sanguem, South Goa.
7. To decide on application received from Om Metals for proposed basalt stone quarry of lease area 1.73Ha located on land bearing Survey No. 24/1 of village Muguli taluka, Sanguem, South Goa for prior Environmental Clearance.
8. To decide on application received from Deodita Stone Crushers for proposed basalt quarry bearing lease no. 06/Basalt/06 admeasuring area of 0.4Ha located on land bearing Survey No. 52/0 of village Uguem, Sanguem, South Goa for prior Environmental Clearance.
9. Any other matter with permission of the chair.