

MINUTES OF THE 116TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING HELD ON 20/10/2023 AT 03:00 P.M. IN THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO, PANAJI-GOA.

The 116th meeting of the Goa - SEIAA (*hereinafter referred as 'Authority'*) was held on 20th October 2023 at 03:00 pm 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 Kashinath Nadkarni for laterite stone quarry bearing Survey No. 19/0 at Velguem village, Bicholim, North Goa for prior Environment Clearance.

The Project Proponent Shri. Kashinath Nadkarni 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 Environmental Clearance under following General and Specific 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

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- 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*).

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- 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.
- 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 (laterite stone) from the said leases (*i.e. from 1 ha*) shall not exceed 13,000 M³ / 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,

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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) To plant 'large-canopy' trees of local varieties in the area in vicinity of the project site, b obtaining permission of respective land owner with proper soil preparation and watering.
- g) 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.
- h) Before expiry of validity of the Environmental Clearance the Project Proponent shall back-fill the laterite quarry and restore to its original level and carry out plantation in consultation with Goa State Biodiversity Board.

2. To decide on application received from Mukul Gaonkar for proposed stone quarry bearing Survey No. 38, Codar village, Ponda taluka, North Goa for prior Environmental Clearance.

The Project Proponent Shri. Mukul Gaonkar 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 General and Specific 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

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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) 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.
- j) 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.
- k) Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF/CPCB.
- l) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- m) 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).
- n) 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*).
- o) All necessary statutory clearances from relevant Authorities concerned shall be obtained before start of quarrying operations.
- p) The Authority reserves the right to add any stringent conditions or to revoke the EC, if

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conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.

- q) 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 (laterite stone) from the said leases (*i.e. from 1.70 ha*) shall not exceed 13,260 M³ / 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.

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- 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.
- i) Before expiry of validity of the Environmental Clearance the Project Proponent shall back-fill the laterite quarry and restore to its original level and carry out plantation in consultation with Goa State Biodiversity Board.

3. To decide on application received from Gervasio Fernandes & Sons for proposed basalt quarry of lease area 4Ha located bearing Survey No. 213/1, village Morombi-o-Grande, taluka Tiswadi, North Goa.

The representative of Gervasio Fernandes & Sons Mrs. Ivy Fernandes 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 notarized copy of lease/agreement. The Authority also 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 General and Specific 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



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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 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&CC/ CPCB.
- m) Environmental clearance (EC) is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent Authority, if applicable.
- n) The Project Proponent 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*).

1. 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) Dust suppression measures (*i.e. water sprinklers*) to be undertaken regularly at specific interval during the daytime / quarry-operations.
- 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.

2. 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 4 ha) shall not exceed (Basalt-18,000 Cubic meter per annum and Murrum-3800 Cubic meter per annum.
- c) Project Proponent should construct approach road before commencement of any mining activity. Asphalting of internal roads within lease area to minimize dust and sound pollution.
- d) Validity 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.

4. To decide on application for extension of validity of Environmental Clearance received from Rosario Noronha for proposed basalt stone quarry located bearing lease No. 04/Basalt/10-11 admeasuring 7000Sq.mts located at Survey No. 64, village Barcem, taluka Quepem, South Goa.

The Project Proponent Shri. Rosario Noronha appeared before the Authority and explained the details of the project.



Decision: After scrutinizing the application and document 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 than the said Notification/Office Memorandum if any will be made applicable from the date of issue of the said Notification/Office Memorandum is issued subject to payment of penalty for non compliance. Further, the Authority also directed the Project Proponent to submit the details of activities to be undertaken under CER.

5. To decide on application received from Prashant Rane for proposed laterite stone quarry at lease area 0.5Ha located bearing Survey No. 36/1, village Cudne, taluka Bicholim, North Goa.

The Project Proponent Shri. Prashant Rane 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 General and Specific 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

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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*).

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- 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.
- 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 (laterite stone) from the said leases (*i.e. from 0.5 ha*) shall not exceed 4875 M³ 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.22-65/2017-1A.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,

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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.
- g) Before expiry of validity of the Environmental Clearance the Project Proponent shall back-fill the laterite quarry and restore to its original level and carry out plantation in consultation with Goa State Biodiversity Board.

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


- i. **To decide on letter No. GTDC/HOTEL PROPERTIES/2012-2013/VOL-VI/3411 dated 28/09/2023 received from Goa Tourism Development Corporation Limited.**


Decision: The Authority after scrutinizing the letter noted the minor revisions by the Project Proponent based on suggested TCP in the developmental plans of 5 star resort in property bearing Survey No 206/1-H, 210/5-A, 211/1, 211/2, 211/3, 211/4, 211/5, 211/6, 211/7, 211/8, 212/1, 212/2, 212/3, 212/4 & 212/6, for which Environmental Clearance was already granted by Goa-SEIAA on 19/07/2023. The Project Proponent has kept total built up area, FSI and total plot area same. In view of the said revision in the plans, the Authority clarified that no modification in Environmental Clearance is required.


- ii. **To decide on letter No. IPSCDL/ENGG/Fishermen's Wharf EOI/Tender Documents/2021-22/1145/5395 dated 17/10/2023 received from Imagine Panaji Smart City Development Limited.**

Decision: Since the proposal originally received and forwarded by the Goa Coastal Zone Management Authority was in offline mode, therefore, the Authority decided to grant Environment Clearance. The same may be given in offline mode.

The meeting ended with thanks to chair.


(Smt. Reshma Mathew)
Member, Goa-SEIAA


(Shri. Suhas Godse)
Chairman, Goa-SEIAA


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

Place: Patto-Panaji
Date: 20th October 2023

Annexure - 1

Shri. Suhas Godse

Dr. Sneha S. Gitte, IAS

Smt. Reshma Mathew

Chairman, Goa-SEIAA

Member Secretary, Goa-SEIAA

Member, Goa-SEIAA

Annexure - 2

AGENDA OF THE 116TH GOA STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (GOA-SEIAA) MEETING ON 20/10/2023 AT 03.00 P.M. IN THE CONFERENCE ROOM OF THE 4TH FLOOR, DEMPO TOWER, PATTO, PANAJI-GOA.

1. To decide on application received from Kashinat Nadkarni bearing Survey No. 19/0 at Velguem village, Bicholim, North Goa for prior Environment Clearance.
2. To decide on application received from Mukul Gaonkar for proposed stone quarry bearing Survey No. 38, Codar village, Ponda taluka, North Goa for prior Environmental Clearance.
3. To decide on application received from Gervasio Fernandes & Sons for proposed basalt quarry of lease area 4Ha located bearing Survey No. 213/1, village Morombi-o-Grande, taluka Tiswadi, North Goa.
4. To decide on application for extension of validity of Environmental Clearance received from Rosario Noronha for proposed basalt stone quarry located bearing lease No. 04/Basalt/10-11 admeasuring 7000Sq.mts located at Survey No. 64, village Barcem, taluka Quepem, South Goa.
5. To decide on application received from Prashant Rane for proposed laterite stone quarry at lease area 0.5Ha located bearing Survey No. 36/1, village Cudne, taluka Bicholim, North Goa.
6. Any other matter with permission of the chair.