Agenda Items for the 55th Goa-State Environment Impact Assessment Authority (Goa-SEIAA) meeting held on 19th June 2020 (Friday) at 11 am onwards at GCZMA office , Pundalik Nagar, Porvorim, Goa.

1. To decide on recommendation given by Goa-SEAC for construction of **New High Court complex at Penha de Franca, Porvorim, Goa** proposed by Goa State Infrastructure Development Corporations(GSIDC). The Goa-SEAC conducted the site inspection of the proposed site on 09th May 2020. Brief details submitted by project proponent is as below:

Sr. No.	Description	Details
1	Name of the project Proponent	Goa state Infrastructure Development Corporation Limited
2	Address for Communication	EDC Complex, 7th Floor, Dr AtmaramBorkar Rd, Panaji, Goa 403001
	Name & location of the project	**Construction of High Court Complex at Penha de Franca, Porvorim Goa.**
4	Plot Area	29,878 sqm
5	Net plot Area	27,503sqm
6	FSI Area Non-FSI Area Total construction Area Building configuration & Height of the building	16,695.88 sqm 5984.98 sqm **22,680.86 sqm** ÅModule 1 - Basement, ÅModule 2, 3 & 4 - Ground + 2 (Part Basement), ÅModule 5- Ground + 1 Height 14m
7	No. of Court halls	7+1 GSLSA
8	Total water requirement (Construction/operation phase)	Construction phase 10 to 20 KLD Operation phase 45KLD
9	Sewage generation	312m^3/Daily
10	STP Capacity / Proposed Technology	Combined Effluent and Sewage treatment plant- 50KLD capacity
11	Total Solid Waste Quantities	Construction phase- 1736 m^3 Operation phase- 959 m^3
13	Energy Efficiency	ÅSkylights designed to maximize natural lighting ÅGreen roof to reduce heat gain ÅCourtyard with waterbodies to reduce ambient temperature

		ÅUse of energy efficient materials like AAC blocks, IG, DGU glazing, etc.
14	Parking 4 W and 2W	4W = 313 2W = 70 Differentially Abled = 05 nos.
15	Power requirement	Construction phase- 7500kW Operation phase- 2486 kW (Photovoltaic system- 100kW connected to the grid)
16	D.G set Capacity	Power backup- DG of 250KVA X 1no.
17	RWH tank capacity	88.60 m^3
18	EMP cost (including DMP cost)	~Rs 22,39,000/-
19	No. of tress on site	290
20	No. of trees to be cut	269
21	No. of tress to be planted on site	154
22	CRZ status	NA

The Committee during 122nd meeting held on 26th May 2020 perused the compliances and after detailed discussion and deliberation decided to recommend the project to Goa-SEIAA for grant of Environmental Clearance (EC) under the provision of EIA Notification 2006, as amended with following specific conditions:

a. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.

b. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

c. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.

d. The Project Proponent shall utilise fly ash bricks in masonry works.

e. The PP shall use construction debris for land filling wherever applicable.

f. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

g. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

h. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

i. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.

j. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

k. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

l. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

m. Areas which are marked as **No Development Zone (NDZ)** should be year marked on site and no construction shall be carried out in the said NDZ. Land Profile of NDZ shall not be altered.

n. No construction shall be carried out in the property which is identified as private forest, if any.

o. PP should obtain all the requisite permissions/NOCs/Licenses etc from all the competent authorities before commencement of any activity at site.

2. Further, the Authority has decided that PP needs to comply to the following **"additional specific Conditions"**:-

i. Sewage Treatment Plant (STP) contract should be for minimum period of 5 years with operation and maintenance contract after commissioning /completion of project.

ii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body.

iii. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

iv. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.

v. The Project Proponent shall utilise fly ash bricks in masonry works.

vi. The PP shall use construction debris for land filling wherever applicable.

vii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

viii. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

ix. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

x. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.

xi. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

xii. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

xiii. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

xiv. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.

xv. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body.

xvi. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

xvii. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.

xviii. The Project Proponent shall utilise fly ash bricks in masonry works.

xix. The PP shall use construction debris for land filling wherever applicable.

xx. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

xxi. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

xxii. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

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xxiv. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

xxv. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

xxvi. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

xxvii. PP shall make provision for charging points for electronic vehicles in the parking Area.

3. **Project Proponent should implement Dust mitigation measures for construction activities such as:**

   a. Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
   b. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
   c. No loose soil or sand or Construction & Demolition Waste or any other construction material that causes dust shall be left uncovered.
   d. Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided.
   e. Water sprinkling system shall be put in place.
   f. Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.
   g. New serial number ó107ô has been inserted which relates to Mandatory Implementation of Dust Mitigation Measures for all Construction and Demolition Activities:
   h. Grinding and cutting of building materials in open area shall be prohibited.
   i. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.
   j. No uncovered vehicles carrying construction material and waste shall be permitted.

k. Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site

Further, progress will be reviewed after six months *(minimum 3 times in a year) depending upon progress of the work.* Further, the compliance to these conditions as and when submitted by PP will be verified /ascertained by the authority to propose additional conditions if any.

2. To decide on recommendation given by Goa-SEAC for proposed residential development ñ**Thousand Palms"** at survey no. 143/1A-1a, Sancoale village, Marmugao, Goa by **M/s Ashoka Infraways Ltd.** Brief project details submitted by Project proponent are as below:

Project Proponent	**ASHOKA INFRAWAYS LIMITED**
Name of the project	**Thousand Palms** **Survey No 143/1 A-1A SancoaleMarmugoa Goa**
Net Plot Area	Total Plot Area:15000 sqm BUA: 22398.39 sqm
Proposed Built-up Area (FSI & Non-FSI)	(FSI + NON FSI) 14987.17+7411.22 22398.39 sqm
Ground coverage	Ground coverage : 40% Permissible : 6000 sq mt Area covered : 4009.12sqmt
No. of buildings	10 buildings
Height of the building (s)	15 meter
Total Water Requirement	**Operation Phase:** **Fresh Water requirement: 162 cmd** Fresh water : 96 cmd Treated water from STP : 107 cmd Total sewage generated : 119 cm
Sewage Generation	Total sewage Generated: 119 KLD (STP Capacity 120KLD) MBBR technology
Solid wastes	**Operation Phase :** Total solid waste : 471 kg/day

Energy	**Source**:GEB **Construction Phase** :20 HP **Operation Phase** : Connected load : 3032 KW and demand load : 1558 KW **DG Power Back-up: 1** Nos. of DG set capacity:200 KVA each 3 transformer of 500 KVA
RG	2250 sqm
Quantity of soil excavated	2870 sqmtrs
Tree details	Trees on site : 42 nos Trees to be cut : 21nos Trees to be retained : 21 Nos New trees to be planted : 343 Nos

The committee after perusing the said compliances decided to recommend the project to Goa-SEIAA (Authority) with following specific conditions.

i. PP should prioritize the health and hygiene issues in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.

ii. Sewage Treatment Plant (STP) contract should be for minimum period of 5 years with operation and maintenance after commissioning /completion of project.

iii. PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body.

iv. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.

v. Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops to enable installation of solar panels south facing.

vi. The Project shall utilise fly ash bricks in masonry works.

vii. The PP shall use construction debris for land filling wherever applicable.

viii. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.

ix. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as

building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.

x. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators, etc.) for water conservation shall be incorporated in the building plan.

xi. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.

xii. Separation of grey and black water should be done by the use of dual plumbing system for disposal. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

xiii. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

xiv. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

xv. PP shall make provision for charging points for electronic vehicles in the parking
Area.

4. <u>Project Proponent should implement Dust mitigation measures for construction activities such as:</u>

a. Roads leading to or at construction sites must be paved and blacktopped (i.e. metallic roads).
b. No excavation of soil shall be carried out without adequate dust mitigation measures in place.
c. No loose soil, sand, Construction and Demolition Waste or any other construction material that causes dust shall be left uncovered.
d. Wind-breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided.
e. Water sprinkling system shall be put in place.

f. Dust mitigation measures shall be displayed prominently at the construction site for easy public viewing.

g. New serial number ó107ô has been inserted which relates to Mandatory Implementation of Dust Mitigation Measures for all Construction and Demolition Activities:

i. Grinding and cutting of building materials in open area shall be prohibited.

ii. Construction material and waste should be stored only within earmarked area and road side storage of construction material and waste shall be prohibited.

iii. No uncovered vehicles carrying construction material and waste shall be permitted.

iv. Construction and Demolition Waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.

h. Further, progress will be reviewed after six months *(minimum 3 times in a year) depending upon progress of the work.* Further, the compliance to these conditions as and when submitted by PP will be verified /ascertained by the authority to propose additional conditions if any.

3. To decide on recommendation given by Goa-SEAC **for** minor mineral quarry (**new laterite stone quarry**) in survey no. 39/0 village Cola, Canacona, Goa **by Mr. Domnic Fernandes**. Brief details submitted by Project proponent are as below:

Serial Number	Item	Details
1.	Name of the Project/s	NAGURMA LATERITE QUARRY
2.	Name of the applicant	DOMNIC FERNANDES
3.	Name of quarry	NAGURMA LATERITE QUARRY
4.	Type of quarry	LATERITE STONE
5.	New/Expansion/Modernization/renewal	NEW
6.	Existing Capacity/lease Area etc.	10000m3/Year, 1.8500Ha Area
7.	Category of Project i.e. 'A' or 'B'	B2
8.	Plot/Survey/Khasra No.	39/0
9.	Village	COLA
10.	District	South Goa
11.	State	Goa
12.	Area excavated	0.2664Ha
13.	Balance area available	1.5836Ha
14.	Proposed expansion capacity	New Project

15.	**Raw material overburden ratio**	**1:0.3**
16.	**Location of Stack overburden**	**With in lease area backfilling**
17. a	**Proposed plantation plan**	**Backfilled and fringe area**
18.	**Tree plantation proposed species and number**	**As per enclosed list**
19.	**Approached road**	**Existing**
20.	**Proposed/Existing road Paved/unpaved with length of road**	**Existing unpaved of 1.5Km**
21.	**Whether site has existing water body**	**No**
22.	**Number of trucks plying per day**	**6-7 trips in a day**
23.	**Details on storage of explosives used for blasting**	**No blasting will be carried out**
24.	**Google image with 1km radius and 5 km radius.**	**Enclosed**
25.	**Details/Drawing of proposed quarry plan**	**Surface Plan Enclosed**

The committee during its 121st meeting held on 26th May 2020 after perusing the said compliances noted that the project proponent has submitted the revised tree plantation plan and a letter from the owner of land stating post closure the quarry boundary. Accordingly Committee after detailed discussion decided to recommend the project to Goa-SEIAA for grant of Environmental Clearance (EC) under the provision of EIA Notification 2006 with following conditions:

1. 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.

2. 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.

3. 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.

4. The lease holder shall undertake adequate safeguard measures during extraction of laterite 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*).

5. 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).

6. 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.

Serial Number	**Item**	**Details**

7. Green belt development shall be carried out considering CPCB guidelines including selection of plant species in consultation with Forest Department / Zonal Agricultural Office, as submitted along with application.

8. 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.

9. Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.

5. Compliances received from **Kaloshi Granites** for minor mineral quarry (**new Basalt stone quarry**) in survey no. 12/1 village Damocem, Sattari, Goa and was taken up for discussion. The said quarry is proposed to the existing quarry bearing survey no. 12/1 Damochem, Sattari, Goa. Brief details submitted by Project proponent are as below:

26.	**Name of the Project/s**	**KALOSHI GRANITES**
27.	**Name of the applicant**	**BYRON A XAVIER**
28.	**Name of quarry**	**DAMOCEM BASALT QUARRY**
29.	**Type of quarry**	**BASALT**
30.	**New/Expansion/Modernization/renewal**	**NEW**
31.	**Existing Capacity/lease Area etc.**	**18000m3/YEAR, 1.2914Ha Area**
32.	**Category of Project i.e. 'A' or 'B'**	**B2**
33.	**Plot/Survey/Khasra No.**	**12/1**
34.	**Village**	**DAMOCEM**
35.	**District**	**NORTH GOA**
36.	**State**	**GOA**
37.	**Area excavated**	**0.1174Ha**
38.	**Balance area available**	**1.1740Ha**
39.	**Proposed expansion capacity**	**New Proposal**
40.	**Raw material overburden ratio**	**1:0.5**
41.	**Location of Stack overburden**	**South western Portion of the lease**
42.	**Existing flora and fauna at site with details of species and nos of trees**	**As per enclosed list.**
43.	**Proposed plantation plan**	**And Dump Fringe Area**
44.	**Tree plantation proposed species and number**	**600 trees of cashew and other fruit bearing trees**
45.	**Approached road**	**Existing**
46.	**Proposed/Existing road Paved/unpaved with length of road**	**Existing unpaved of 500m**
47.	**Distance from nearest Locality**	**1.3Km**
48.	**Distance from nearest metallic road**	**500m**
49.	**Distance from nearest water body**	**1.2Km Mhadai River**
50.	**Whether site has existing water body**	**No**
51.	**Number of trucks plying per day**	**5 to 6 trips in a day**
52.	**Details on storage of explosives used for blasting**	**Holds a explosive Magazine licence for storage of 50kg explosive**
53.	**Google image with 1km radius and 5 km radius.**	**Enclosed**
54.	**Details/Drawing of proposed quarry plan**	**Surface Plan Enclosed**

The committee after perusing the compliances submitted by project proponent decided to recommend the project to Goa-SEIAA for grant of Environmental Clearance (EC) under the provision of EIA Notification 2006 with following conditions:

1. Containers should have hazard sign board and explosives name and should be barricaded with a sign of entry for authorised persons only.

2. 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.

3. 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.

4. 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.

5. 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 ôblastingô. 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*).

6. 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).

7. 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.

8. 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.

9. 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.

10. Waste water / effluents, if any, shall be properly collected, treated and monitored so as to conform to the standards prescribed by the MoEF / CPCB.

6. To discus on the communication received from **M/s Shalini Metals** dated 22/05/2020 regarding EC issued dated 29/04/2020 for proposed basalt stone quarry in survey no. 25/2(P), 28(P), 29(P), 30(P), 31(P) of Allorna, Pernem, Goa requesting to grant 300cum per day and to waive the clause of publication of advertisement informing as regards to EC.

7. To decide on application from M/s Priyadarshani Hi-tech Associates for extension of EC with respect quarrying lease bearing lease no. 05/basalt /2007 situated in survey no. 119(P) of village Vantem, Sattari, Goa.

8. To decide on application by M/s Dessai Metal Works for extension of EC with respect quarrying lease bearing lease no. 08/basalt /91 situated in survey no. 11/1(P) of village Pilliem, Dharbandora, Goa.

9. Any other with a permission of Chair.