

Agenda Items for the 57th Goa-State Environment Impact Assessment Authority (Goa-SEIAA) meeting held on 17th February 2021 (Wednesday) at 10.30 am in conference Hall, 4th floor, Dempo Tower, Patto-Panaji, Goa.

1. To decide on compliances submitted by Mrs. Delia Fernandes for proposed basalt lease at Barcem, Quepem, Goa.

Serial Number	Item	Details
1.	Name of the Project/s	BARCEM BASALT QUARRY
2.	Name of the applicant	MRS. DELIA FERNANDES
3.	Name of quarry	BARCEM BASALT QUARRY
4.	Type of quarry	BASALT
5.	S. No. in the Schedule	1(a)
6.	New/Expansion/Modernization/renewal	NEW PROPOSAL
7.	Existing Capacity/lease Area etc.	NIL/4.9000Ha
8.	Category of Project i.e. 'A' or 'B'	B2
9.	Plot/Survey/Khasra No.	99/0
10.	Village	BARCEM
11.	District	QUEPEM/SOUTH GOA
12.	State	GOA
13.	Area excavated	0.3363Ha
14.	Balance area available	4.5337
15.	Proposed expansion capacity	20000m ³ /annum
16.	Raw material overburden ratio	1:0.5
17.	Location of Stack overburden	With in the lease area in the Northern portion
18.	Existing flora and fauna at site with details of species and nos of trees	As enclosed
19.	Proposed plantation plan	Dump, Unutilised area of lease and fringe areas.
20.	Tree plantation proposed species and number	50 trees of cashew 10 Jack fruit 10 Teak 10 Kinnal 10 Otamb 10 Bhiran
21.	Approached road	A pathway is existing
22.	Proposed/Existing road Paved/unpaved with length of road	Proposed road of 300m
23.	Distance from nearest Locality	300m
24.	Distance from nearest metallic road	300m
25.	Distance from nearest water body	2.45Km Karka Rivulet
26.	Whether site has existing water body	No

27.	Distance from wild life sanctuary	11.8Km Netravati wild Life Sanctuary
28.	Distance from Ecological Sensitive Area /zone boundary	10.8Km ESZ of Netravati Wild Life Sanctuary
29.	List of Endemic species & IUCN status	unavailable
30.	Details on IBA (Important bird area)	Netravati Wild Life Sanctuary
31.	Number of trucks plying per day	8 to 10 trips in a day
32.	Details on storage of explosives used for blasting	The impact of noise as envisaged shall be on account of drilling and blasting and truck movement. Therefore it is proposed to carry out controlled blasting and regular maintenance and greasing of the jack hammers used for drilling.
33.	Google image with 1km radius and 5 km radius.	Enclosed
34.	Details/Drawing of proposed quarry plan	Surface Plan enclosed

The committee had visited the site on 27th January 2021 and observed that the access proposed is on the natural storm water drain and there exists a perennial spring at the proposed quarry site. Therefore, the committee decided to recommend rejection of application to the Goa-SEIAA.

2. **Project specific presentation by minor mineral quarry (new of basalt stone quarry) in survey no. 181/1 village Latambarcem, Bicholim, Goa by Shri. Prakash Parodkar.**
The consultant M/s Joshi Upadhyay Associates had presented brief project report of the proposed basalt quarry having lease area 2.0 ha. The proposed extraction capacity 30000 cum per annum.

Serial Number	Item	Details
35.	Name of the Project/s	LATAMBARCEM BASALT QUARRY
36.	Name of the applicant	PRAKASH RAMA PARODKAR
37.	Name of quarry	LATAMBARCEM BASALT QUARRY
38.	Type of quarry	BASALT
39.	S. No. in the Schedule	1(a)
40.	New/Expansion/Modernization/renewal	NEW
41.	Existing Capacity/lease Area etc.	30000m3/Year, 2.0000Ha Area

42.	Category of Project i.e. 'A' or 'B'	B2
43.	Plot/Survey/Khasra No.	181/1
44.	Village	LATAMBARCEM
45.	District	North Goa
46.	State	Goa
47.	Nearest railway station/airport , public facility from site (public dwelling, school, educational institution, hospital, Dam)	10.0Km Thivim Railway Station 34Km Dabolim Air Port 1.2Km Public dwelling 1.6Km Primary School 1.5Km Rural Hospital at Dodamarg 7.3Km Asnoda weir
48.	Area excavated	nil
49.	Balance area available	2.0000Ha
50.	Proposed expansion capacity	New Proposal
51.	Raw material overburden ratio	1:0.25
52.	Location of Stack overburden	With in lease area northern portion of the lease
53.	Existing flora and fauna at site with details of species and nos of trees	Existing tree 155 caju (<i>Anacardium Occidentale</i> Linn) 04 mango (<i>Mangifera Indica</i>) 02 jackfruit (<i>Artocarpus Heterophyllus Lamk</i>) 04 acacia (<i>Acacia Auriculiformis</i>) 12 kinnal (<i>Terminalia Paniculata</i> Roth) 01 jambul (<i>Syzygium Cumini (linn) Skeels</i>) 07 palas (<i>Butea Frondosa</i>) 10 karmal (<i>Dillenia nentycvna</i>) 04 nano (<i>Larektdroerkial,anceolata</i>) 05 marad (<i>terminalia tomentosa</i>) 19 ghoting (<i>Terminalia bellerica</i>) 05 Bamboo (<i>Bambusa vulgaris</i>)
54.	Proposed plantation plan	Dump backfilled and fringe area
55.	Tree plantation proposed species and number	150 trees of cashew 10 Karmal 10 Palas 30 trees of Mango jackfruit and jambul
56.	Approached road	Existing
57.	Proposed/Existing road Paved/unpaved with length of road	Existing unpaved of 800m
58.	Distance from nearest Locality	1.60KmKharpal Village
59.	Distance from nearest metallic road	800m (road distance of 1.60Km)
60.	Distance from nearest water body	7.3Km Asnoda River
61.	Whether site has existing water body	No
62.	Distance from wild life sanctuary	13.0Km Mahadai wild life sanctiary
63.	Distance from Ecological Sensitive Area /zone boundary	12.0Km ESZ of Mahadai wild life sanctuary
64.	List of Endemic species & IUCN status	Unavailable
65.	Details on IBA (Important bird area)	13.0Km Mhadai wild life sanctuary
66.	Proposed Land and Soil mitigation measures	To minimise and mitigate the effects of land degradation the following measures shall be

		<p>practised</p> <ol style="list-style-type: none"> i. The afforestation programme in phased manner shall be carried out all along the periphery of the lease. ii. Dumps shall be properly stabilised with indigenous plantation. iii. Afforestation shall be undertaken all along the haul roads iv. The excavated area shall be properly maintained v. Soil encountered during the development period of the lease shall be stacked separately and shall be utilised during the plantation programme.
67.	Dust mitigation measures	<ul style="list-style-type: none"> ➤ Sprinkling of water on haul roads, dump road, dump yards, and other places of generation of dust to bring down the air pollution within permissible limits. ➤ Use of wet gunny bags during the course of drilling to suppress dust generation at source. ➤ Blasting will be carried out in favourable weather condition.
68.	Noise mitigation measures	<ul style="list-style-type: none"> ➤ Controlled blasting

		<p>technique will be adopted in this project in order to minimize fly rock, blast vibrations and noise levels.</p> <p>➤ A green belt will be made around the quarry and the plant area to screen the noise and also for arresting fugitive dust.</p> <p>➤ Regular maintenance and greasing of the machinery</p>
69.	Number of trucks plying per day	10 trips in a day
70.	Details on storage of explosives used for blasting	As on date there is no proposal of storage of explosive , blasting will be carried through contractors having valid mobile magazine licence
71.	Google image with 1km radius and 5 km radius.	Enclosed
72.	Details/Drawing of proposed quarry plan	Surface Plan Enclosed

The committee conducted inspection of the proposed site on 2nd February 2021 and observed that the proposed site is more than 500 meters away from the road site and decided to recommend the project for grant of Environmental Clearance subject to submission of application and annexure, duly signed application by the applicant Shri. Prakash Parodkar and his consultant. PP is directed to submit the access shown on site by a plan indicating road certified by competent authority.

3. To decide on application from Krishna Prasad Gadgil Extraction of laterite stones, Survey no. 8/1,Codiem Sattari Goa.

The committee inspected the site on 2nd February 2021 and noted that the proposed project is a laterite quarry.

The committee decided to recommend for grant of environment clearance to Goa-SEIAA. subject to submission of duly signed documents by applicant and consultant. The committee directed the applicant for proposed plantation of bamboo and kokum trees along the main road to control dust pollution.

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