

**Minutes of the 123<sup>rd</sup> Goa State Expert Appraisal Committee (Goa-SEAC) meeting held on 06<sup>th</sup> June 2020 at 10.30 am in the Conference Room of the 3<sup>rd</sup> floor, GTDC, Patto-Panaji, Goa.**

The hundred and twenty third meeting of the Goa-SEAC was held on 06<sup>th</sup> June 2020 in the Conference room of the GTDC, Paryatan Bhavan, Panaji at 10.30 am under the Chairmanship of Prof. Suhas Godse. The list of members who attended the meeting is at Annexure – 1.

At the beginning Chairman welcomed the members and requested Secretary, SEAC to proceed as per the Agenda items (refer Annexure – 2).

1. Project specific presentation by minor mineral quarry (**new\_basalt stone quarry**) in survey no. 99 village Barcem, Quepem, Goa by **Mrs Delia Fernandes**. The consultant M/s Joshi Associates presented brief project report of the proposed basalt quarry having lease area 4.9 ha. The proposed extraction capacity 20000 cum per annum. The committee conducted site inspection of the proposed site on 23<sup>rd</sup> May 2020. Brief project details submitted by PP are as below:

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	20000m3/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

After detailed presentation the Committee sought following submission from PP:

- a) PP has to submit list of onsite flora and fauna with details of species and numbers of trees along with scientific names.

- b) The PP has to submit plan of proposed road with proposed culvert on the nallah.
- c) The PP has to submit the plan showing flood line.

2. Project specific presentation by minor mineral quarry (**new\_basalt stone quarry**) in survey no. 30/1 village Gokuldem, Quepem, Goa by **Smt. Meeravati Velip**. The consultant M/s Joshi Associates presented brief project report of the proposed basalt quarry having lease area 1.0000 ha. The proposed extraction capacity 5000 cum per annum. The committee conducted site inspection of the proposed site on 23<sup>rd</sup> May 2020. Brief project details submitted by PP are as below:

<b>Serial Number</b>	<b>Item</b>	<b>Details</b>
1.	<b>Name of the Project/s</b>	<b>GOKULDEM BASALT QUARRY</b>
2.	<b>Name of the applicant</b>	<b>MRS. MEERAVATI MHALU VELIP</b>
3.	<b>Name of quarry</b>	<b>GOKULDEM BASALT QUARRY</b>
4.	<b>Type of quarry</b>	<b>BASALT</b>
5.	<b>S. No. in the Schedule</b>	<b>1(a)</b>
6.	<b>New/Expansion/Modernization/renewal</b>	<b>NEW</b>
7.	<b>Existing Capacity/lease Area etc.</b>	<b>5000m3/Year, 1.0000Ha Area</b>
8.	<b>Category of Project i.e. 'A' or 'B'</b>	<b>B2</b>
9.	<b>Plot/Survey/Khasra No.</b>	<b>30/1</b>
10.	<b>Village</b>	<b>GOKULDEM</b>
11.	<b>District</b>	<b>South Goa</b>
12.	<b>State</b>	<b>Goa</b>
13.	<b>Area excavated</b>	<b>NIL</b>
14.	<b>Balance area available</b>	<b>1.0000Ha</b>
15.	<b>Proposed expansion capacity</b>	<b>New proposal</b>
16.	<b>Raw material overburden ratio</b>	<b>1:0.3</b>
17.	<b>Location of Stack overburden</b>	<b>With in lease area</b>
18.	<b>Existing flora and fauna at site with details of species and nos of trees</b>	<b>Existing trees PLEASE REFER ANNEXURE-1</b>
19.	<b>Proposed plantation plan</b>	<b>Dump , unutilised portion of the lease and fringe area</b>
20.	<b>Tree plantation proposed species and number</b>	<b>40 trees of cashew 10 trees of Mango &amp; Jackfruit 10 trees of kinnal 10 trees of Kumbyo</b>
21.	<b>Approached road</b>	<b>Not Existing to be laid</b>
22.	<b>Proposed/Existing road Paved/unpaved with length of road</b>	<b>Proposed unpaved of 320m</b>
23.	<b>Distance from nearest Locality</b>	<b>0.850Km</b>

24.	Distance from nearest metallic road	320m
25.	Distance from nearest water body	340m Karka Rivulet
26.	Whether site has existing water body	No
27.	Distance from wild life sanctuary	8Km Netravati wild life sanctiary
28.	Distance from Ecological Sensitive Area /zone boundary	7Km 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	3 to 4 trips in a day
32.	Google image with 1km radius and 5 km radius.	Enclosed
33.	Details/Drawing of proposed quarry plan	Surface Plan Enclosed

After detailed presentation the Committee sought following submission from PP:

- a) PP has to submit undertaking from the owners of the lease heirs.
- b) The PP has to submit proposed road plan.
- c) PP has to submit overburden Plan generated during quarrying activity.
- d) The PP has to submit the plan showing proposed plantation and floral inventory.

3. Project specific presentation by minor mineral quarry (**new\_laterite stone quarry**) in survey no. 125/0 village Torxem, Pernem, Goa by **Mr. Kamlesh Mote**. The consultant M/s Joshi Associates presented brief project report of the proposed basalt quarry having lease area 0.6000 ha. The proposed extraction capacity 5000 cum per annum. The committee conducted site inspection of the proposed site on 21<sup>st</sup> May 2020. Brief project details submitted by PP are as below:

Serial Number	Item	Details
35.	Name of the Project/s	TORXEM LATERITE QUARRY
36.	Name of the applicant	Shri KAMLESH MOTE
37.	Name of quarry	TORXEM LATERITE QUARRY
38.	Type of quarry	LATERITE STONE
39.	S. No. in the Schedule	1(a)
40.	New/Expansion/Modernization/renewal	NEW
41.	Existing Capacity/lease Area etc.	Nil/ 0.6000Ha Area
42.	Category of Project i.e. 'A' or 'B'	B2
43.	Plot/Survey/Khasra No.	125/0
44.	Village	TORXEM
45.	District	North Goa

46.	State	Goa
47.	Area excavated	Nil
48.	Balance area available	0.6000Ha
49.	Proposed expansion capacity	New Proiposal Proposes to produce 5000m3/year
50.	Raw material overburden ratio	1:0.45
51.	Location of Stack overburden	Tandem Backfilling
52.	Existing flora and fauna at site with details of species and nos of trees	16-sanvor( <i>Bombax ceiba</i> Linn.) 42-moi( <i>Linnea coromondelica</i> ) 45- kumyo( <i>Careya Arborea</i> Roxb) 03-huro ( <i>Falconeria insignis</i> ) 01 Arjun ( <i>Sterculia urens</i> ) 04-cashew ( <i>Anacardium Occidentale</i> Linn.) 01-Ghoting( <i>Terminalis bellerica</i> ) 04-sail ( <i>Tectona Grandis</i> Linn. F.)
53.	Proposed plantation plan	Backfilled and fringe area
54.	Tree plantation proposed species and number	20 trees of Sanvor 10 Cashew 20 Kumyo 20 Moi
55.	Approached road	Existing
56.	Proposed/Existing road Paved/unpaved with length of road	Existing unpaved of 800m
57.	Distance from nearest Locality	0.65Km
58.	Distance from nearest metallic road	650m
59.	Distance from nearest water body	0.75Km Terekhol River
60.	Whether site has existing water body	No
61.	Distance from wild life sanctuary	About 35-40Km-Mhadai wild life sanctuary
62.	Distance from Ecological Sensitive Area /zone boundary	About 30 Km
63.	List of Endemic species & IUCN status	Unavailable
64.	Details on IBA (Important bird area)	More than 30Km Dr Salim Ali Bird Sanctuary
65.	Number of trucks plying per day	3 to 4 trips in a day
66.	Details on storage of explosives used for blasting	No Blasting will be carried out
67.	Google image with 1km radius and 5 km radius.	Enclosed
68.	Details/Drawing of proposed quarry plan	Surface Plan Enclosed

After detailed presentation the Committee sought following submission from PP:

- a) PP to submit NOC from the Devasthan committee for using 1000m<sup>2</sup> of area outside for planting only trees.
- b) Plantation of endemic varieties in at least 2000 sq. mt area nearby the lease area (Lease area is 6000 sq. mt ) .
- c) The Arjuna tree within the lease is to be transplanted.

4. Project specific presentation by minor mineral quarry (**new\_basalt stone quarry**) in survey no. 87 & 88 village Cotombi, Quepem, Goa by Smt Anila Rege. The consultant M/s Joshi Associates presented brief project report of the proposed basalt quarry having lease area 0.6000 ha. The proposed extraction capacity 5000 cum per annum. The committee conducted site inspection of the proposed site on 23<sup>rd</sup> May 2020. Brief project

<b>Serial Number</b>	<b>Item</b>	<b>Details</b>
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details submitted by PP are as below:

69.	<b>Name of the Project/s</b>	<b>Cotombi Basalt Quarry</b>
70.	<b>Name of the applicant</b>	<b>Smt. Anila Rege</b>
71.	<b>Name of quarry</b>	<b>Cotombi basalt quarry</b>
72.	<b>Type of quarry</b>	<b>Basalt stone</b>
73.	<b>S. No. in the Schedule</b>	<b>1(a)</b>
74.	<b>New/Expansion/Modernization/renewal</b>	<b>New</b>
75.	<b>Existing Capacity/lease Area etc.</b>	<b>Nil/ 1.4Ha</b>
76.	<b>Category of Project i.e. 'A' or 'B'</b>	<b>B2</b>
77.	<b>Plot/Survey/Khasra No.</b>	<b>S.No 87 &amp; 88</b>
78.	<b>Village</b>	<b>Cotombi</b>
79.	<b>District</b>	<b>South Goa</b>
80.	<b>State</b>	<b>Goa</b>
81.	<b>Area excavated</b>	<b>Nil</b>
82.	<b>Balance area available</b>	<b>1.4000Ha</b>
83.	<b>Proposed expansion capacity</b>	<b>3600m<sup>3</sup>/annum</b>
84.	<b>Raw material overburden ratio</b>	<b>1:0.55</b>
85.	<b>Location of Stack overburden</b>	<b>Southern side of the lease</b>
86.	<b>Existing flora and fauna at site with details of species and nos of trees</b>	<b>As per the annexure-1</b>
87.	<b>Proposed plantation plan</b>	<b>Along the lease boundary, Backfilled and unutilised area.</b>
88.	<b>Tree plantation proposed species and number</b>	<b>10 Trees each of Kinnal, Moi, Kumbyo and Khair 5 Trees each of Mango &amp; Jackfruit</b>
89.	<b>Approached road</b>	<b>Existing</b>
90.	<b>Proposed/Existing road Paved/unpaved with length of road</b>	<b>Existing unpaved about 1Km</b>
91.	<b>Distance from nearest Locality</b>	<b>About 900m</b>
92.	<b>Distance from nearest water body</b>	<b>1.25Km Kushavati River</b>
93.	<b>Whether site has existing water body</b>	<b>No</b>
94.	<b>Distance from wild life sanctuary</b>	<b>13Km Mahavir Wild Life Sanctuary</b>
95.	<b>Distance from Ecological Sensitive Area /zone boundary</b>	<b>12Km ESZ of Mahavir Sanctuary</b>
96.	<b>List of Endemic species &amp; IUCN status</b>	<b>Unavailable</b>
97.	<b>Details on IBA (Important bird area)</b>	<b>Lake raital Curtorim about 7Km</b>
98.	<b>Number of trucks plying per day</b>	<b>2 to 3 trips in a day</b>
99.	<b>Google image with 1km radius and 5 km radius.</b>	<b>Enclosed herewith</b>
100.	<b>Details/Drawing of proposed quarry plan</b>	<b>Surface plan enclosed herewith</b>

After detailed presentation the Committee sought following submission from PP:

- a) PP has to submit plan showing area of proposed location of dump and proposed plantation.
- b) Details of existing quarry and abundant water body of existing quarry.

5. The Committee examined the communication received from the Goa **Waste Management Corporation** dated 08/06/2020 regarding revised layout plan and process flow diagram for the Solid Waste Management Facility at Cacora , South Goa. The Committee after examination of the revision in the layout plan for the proposed facility including the landfill noted that the proposed revision would not require any further modification in the environmental clearance or amendment to the same as this would not lead to any increase in the pollution load.

*The meeting ended with a vote of thanks to the chair.*

**Dr. Purushotam Pednekar**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Dr. Nitin Sawant**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Dr. C.U. Rivonker**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Shri. Dominic Fernandes**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

*Sd/-*

**Shri. Sanjeev Joglekar)**

(Secretary Goa-SEAC)

*Sd/-*

**Shri. Suhas Godse**

(Chairman Goa-SEAC)

Place: Patto, Panaji

Date: June 2020.

### **Annexure –I**

#### **List of members who attended 123<sup>rd</sup> Goa-SEAC meeting held on 6<sup>th</sup> June 2020**

1. Shri. Suhas Godse, Taleigao - *Chairman (Goa-SEAC)*
2. Dr. C.U Rivonker, Margao - *Member (Goa-SEAC)*



3. Dr.Nitin S. Sawant, Porvorim - *Member(Goa-SEAC)*
4. Dr.PurushotamPednekar, Mapusa - *Member(Goa-SEAC)*
6. Shri. Dominic Fernandes - *Member(Goa-SEAC)*
7. Shri. SanjeevJoglekar, Panaji - *Secretary (Goa-SEAC)*