

Items for the Fourteenth Goa-SEAC meeting held on 8th April 2013 at 10.00 a.m. in the GSPCB

1. Salient features of **DEFERRED** Project Proposal (Minor Mineral Quarry Proposals) during the last meeting convened on 7th March 2013

Sr. No.	Project Proponent (PP) / Applicant Environmental Consultant	Proposed Activity	Site-specific location details	Project details / specification / salient features	Comments of the Goa-SEAC members / Current Status
1	<p>M/s. Joao Lourenco Baptista Basalt Boulders / Stone Quarry</p> <p>Mr. J. L. Baptista, H. No. 105/D-3, Behind old RTO office, Arlem, Raia, Salcete, Goa – 403 720</p> <p>Ph.: 0832 – 2741951 Mobile - 9764503900</p> <p>Environmental Appraisal Report (EAR) prepared by - M/s Sadekar Enviro Engineers Pvt. Ltd., 310, Dempo Towers, EDC Patto, Panaji. 0832-2437048 / 2437164 e-mail – psadekar@yahoo.com sadekarenviro@rediffmail.com</p>	<p>Basalt stone quarry - (a) No.1/Basalt/04 (b) No. 4/Basalt/04</p> <p>(RENEWAL)</p> <p>(Validity upto November 2012)</p> <p>Category 1(a) – B</p>	<p>Survey No. 52/0 of Ugeum village in Sanguem taluka of South Goa district</p>	<p>Total plot area (02 leases) – (a) 7.150 sq.mts. + (b) 5,080 sq.mts. = 12,230 sq.mts.</p> <p>Proposed capacity 50 m³ per month</p> <p>Water requirement – 100 M³ per day</p> <p>The site has average overburden of 2-3 mts. It is proposed to undertake vertical excavation at 1:10 ratio (6 mts. drop at an angle of 60⁰) with bench of 3 mts. Proposed to make 7 – 8 such benches (i.e. max, depth is 50 mts.)</p> <p>Excavation/blasting, through non-electric shock tubes, is carried out through drilling of holes of 5 mts. depth – filled with 25 kgs. explosives upto 3 mts. – remaining is stemmed with mud. 10 such holes are blasted at a time to make metal aggregates of different sizes – ½”, ¾”, ¼” and crush sand.</p>	<ol style="list-style-type: none"> 1. Are these two leases contiguous with a common boundary or independent of each other? Leases are independent of each other. 2. Ambient Air Quality Monitoring (AAQM) Reports conducted by MoEF recognized laboratory during last year (three times a year), at the nearest residential, area may be submitted. – COMPLIED – <i>has been regularly submitting to GSPCB.</i> 3. PP may like to submit measures proposed to be adapted for dust suppression / noise pollution. – COMPLIED <i>has adopted water sprinkling system and use of electronic detonators with limited blast schedule from 1 – 3 p.m. only.</i> 4. Environmental Appraisal Report (EAR) indicates the usage of explosives during blasting / excavation. As such, PP may submit the NOC from the Authority concerned (i.e. Chief Controller of Explosives) specifying its validity / usage characteristics. It is also required to maintain Material Safety Data Sheets for all explosive material / chemicals be maintained. – COMPLIED. 5. Modus-operandi for effective utilization of organic-rich overburden may be specified. Top soil should necessarily be stacked separately to be utilized subsequently for landscaping / gardening or other site-specific purposes. It needs to be demarcated on the surface utilization plan/map. – COMPLIED. 6. PP may like to specify the optimum buffer zone maintained from the outermost lease boundary to the nearest excavation within the plot. – COMPLIED. 7. PP may indicate the maximum depth upto which it is proposing the road metal extraction? – Max. 35 mts.

					<p>Proposal was earlier discussed during the Tenth meeting held on 11th December 2012. However, site-inspection has not been conducted.</p> <p>SEAC has recommended the proposal subject to ascertaining the following by the Directorate of Mines and Geology (DMG), Goa namely –</p> <p>a. Decision / order issued in respect of the PIL Writ Petition No. 10/2012. (<i>Francis Xavier Carvalho V/s Dept. of Mines and Geology</i>) and</p> <p>b. ‘Suspension order cum Show Cause Notice’ issued by the DMG dated 8th October 2012.</p>
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2	<p>Shri. Rumaldo Fernandes, H. No. 11, Behind Sasnguem Church, Sanguem, Goa – 403 704</p> <p>M – 9823264577</p> <p>Consultant – M/s Kurade and Associates, Cuncolim.</p>	<p>Laterite stones NEW Category 1(a) – B 8th February 2013 Goa-SEAC has inspected the site on 27th February 2013.</p>	<p>Survey no. 42/0 of Muguli village in Sanguem taluka of South Goa district.</p> <p>Proposed land is owned by the proponent.</p>	<p>Existing lease are a- 7,180 sq.mts. Rated capacity of extraction – 800 stones / day - 6,250 m³ per annum / 700 m³ per month</p> <p>Total excavation during the life-span of a quarry - 25,000 m³ (i.e. 6.15 crores stones)</p> <p>Expected life of a quarry – 15-20 years</p>	<p>The proponent has <u>NOT YET</u> complied with the SEAC’s observations – (1) Progressive Quarrying Plan and (2) Environment Management Plan (EMP) (3) Post-closure / utilization of quarry-pit.</p> <p>SEAC has decided to defer the proposal</p>

2. Consideration of the following NEW Minor Mineral Quarry proposals –

Sr. No.	Project Proponent (PP) / Applicant Environmental Consultant	Proposed Activity	Site-specific location details	Project details / specification / salient features	Status update as on 1 st April 2013
3	<p>Mr. Mario Mascarenhas, Opposite Post Office, Curchorem, Goa – 403 706 e-mail: pavn85@gmail.com</p> <p>Mr. Kamat – 9822486585</p> <p>M/s Joshi – Upadhyay Associates 7875447019 / 9420297571</p>	<p>Basalt stone quarry</p> <p>Lease no. 05/basalt/00 <i>(lease effective since 2000 and under DEEMED RENEWAL STATUS)</i></p> <p>Expansion-cum-Renewal Category 1(a) – B</p>	<p>Survey no. 62/1 of Santona village in Sanguem taluka of South Goa district.</p>	<p>Existing lease area – 0.7000 Ha. (7,000 sq.mts.)</p> <p>Existing capacity – 500 m³ per month / 6,000 m³ per annum</p> <p>Proposed capacity – 1,000 m³ per month / 12,000 m³ per annum.</p> <p>Estimated geological resources – 2,48,000 m³. Mineable resources – 32,800 m³.</p>	<ol style="list-style-type: none"> 1. Kindly ascertain demarcation and identification of a lease boundary. 2. Kindly specify the meaning of DEEMED RENEWAL STATUS and provide status of the same from the Directorate of Mines and Geology. 3. It is expected to exhaust entire lease area. As such, the lessee proposes to acquire additional land with mineable rights. What is the current application status with the DMG. 4. Provide environment management plan (EMP) so as to address Noise / dust pollution during drilling, blasting, excavating, loading/unloading and overburden dumping. 5. The buffer zone of the study area comprises of two or more stone quarries and major mining belt. As such, kindly provide further details in the form of Google image as well as anticipated cumulative environmental impact. 6. The maximum elevation difference within the lease area is about 27 mts. (max. 87 mts. and min. 60 mts.) 7. What is a expected life of a quarry? <p>The Project Proponent (PP) has presented before the 14th SEAC meeting held on 8th April 2013 followed by on-site clarification by SEAC on 9th April 2013.</p> <p style="text-align: center;">SEAC has considered the proposal for recommendation.</p>

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4	<p>Shri. Nilu Jaidev Shetye, House No. 58, Near Bus Stand, Menkurem, Bicholim, Goa. (M) - 9657897437</p> <p>M/s Kurade and Associates 9422062850 nskurade@rediffmail.com</p>	<p>Laterite stone quarry</p> <p>NEW <i>(lease valid for 05 years)</i> <i>However, the proponent has sought quarrying lease for 04 years.</i></p>	<p>Survey no. 24/1 of Menkurem village in Bicholim taluka of North Goa district</p>	<p>Proposed lease area – 2,000 sq.mts.</p> <p>Rated capacity – 3,000 m³ per annum (i.e. 250 m³ per month / 600 stones per day) Total estimated laterite stones to be quarried – 14,000 m³ (i.e. 7.5 lakhs units)</p>	<ol style="list-style-type: none"> 1. Kindly provide the Google map within the periphery of 2 kms. considering the presence of lot of abandoned laterite quarries and nearest settlement is at a distance of about 500 mts. 2. The site is proposed to be progressively restored on completion of quarrying operations after five years. 3. What is a maximum depth of laterite excavation? <p style="text-align: center;">SEAC has considered the proposal for EC recommendation.</p>
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5	<p>Shri. Anil Shaba Fal Dessai, House no. 46, Balli Math, Balli – Cuncolim, Goa. Ph. 2670362 / 9423312831</p> <p>M/s Kurade and Associates 9244062850 nskurade@rediffmail.com</p>	<p>Basalt stone quarry</p> <p>NEW <i>(lease valid for 05 years)</i></p>	<p>Survey no. 19/1(P) of Goculdem village in Quepem taluka of South Goa district.</p>	<p>Proposed lease area – 4.0 Ha. Rated extraction capacity – 12,000 m³ per annum. (with rejection generation of 800m³ per annum.</p> <p>Estimated reserves – 7,50,000 m³</p>	<ol style="list-style-type: none"> 1. The proponent owns a stone crushing unit at Cordem in Quepem. 2. The proposed topography is a hill-slope with height of 45 mts. Average overburden is about 1 – 2 mts. 3. The DMG has issued ‘Lease Order’ to the proponent in 2009. 4. Ultimate depth of quarrying – 40 mts. Expected life span of a quarry – 65 years. 5. PP may submit the proposed quarry development plan (i.e. terraces and benches) vis-à-vis closure plan or back-filling, if any, with suitable schematic / graphical presentation superimposed on surface plan. 6. PP is requested to provide existing land use / land cover of the area surrounding 5 kms. radius of the proposed site. <p style="text-align: center;">SEAC has kept the decision reserved, pending on-site inspection / clarification. As such, Authority may consider the same after its inspection.</p>

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6	<p>M/s Kaloshi Granites, Mr. B. A. Xavier, 8, Miranda House, Luis Miranda Road, Margao, Goa – 403 601.</p> <p>M/s Srusti Envirocare, Curchorem</p>	<p>Basalt stone quarry</p> <p>Lease no. 15/Basalt/88 Valid upto 7th September 2013</p> <p>RENEWAL</p> <p>Category 1(a) – B Air consent valid upto 16th April 2013</p> <p>Explosive license valid upto 31st March 2016</p> <p>AAQM report has been submitted – Feb. 2013</p>	<p>Survey no. 12/1 of Damochem village in Sattari taluka of North Goa district.</p> <p>50 mts. above MSL</p>	<p>Total mine lease area – 0.54 Ha. Proposed extraction capacity – 24,000 m³ per annum. Proved reserves – 75 million tons Mineable reserves – 50 million tons</p>	<p>Only a brief reference was made about the receipt of the proposal during the 14th SEAC meeting held on 8th April 2013. Neither presentation nor site-inspection could be undertaken by SEAC.</p> <p>SEAC has kept the decision reserved, pending on-site inspection / clarification. However, Authority may like to take suitable decision.</p>

3. Any other matter with the permission of the Chair.