

**Minutes of the 13th Goa State Expert Appraisal Committee
(Goa-SEAC) meeting held on 7th March 2013 at 10.00 a.m. in the
Conference Room of the EIA Secretariat, O/o Goa State Pollution
Control Board (GSPCB), Patto.**

The thirteenth meeting of the Goa-SEAC was held on 7th March 2013 in the Conference room of the GSPCB under the Chairmanship of Dr. S. P. Fondekar. The list of members who attended the meeting is at “Annexure – 1”.

At the outset, Chairman welcomed the members and subsequently, Dr. Mohan R. Girap, Secretary, SEAC appraised the members about the purpose of the meeting and presented the Agenda items (Annexure – 2) to the Members. Accordingly, the item-wise proposals were discussed / deliberated with suitable recommendations, as applicable.

Project-wise comments are listed as under:-

1. Prior to deliberate as per the ‘Agenda Items’, a following communication, as directed by the Chairman, Goa-SEIAA, was taken up for discussion and suitable decision in the matter –

A clarification sought by Public Works Department (Works Division VII (NH)) for applicability of EIA Notification, 2006, for the proposed widening of National Highway No. NH-4A from Old Goa to Panajim (Merces junction) along Ribandar bypass vide letter no. 30/8/PWD/WD.VII(NH)/2012-13/ADM/1815 dated 19th February 2013.

It was informed that –

- a. PWD proposes to widen the existing NH-4A (from Old Goa to Panaji-Merces junction) for a total length of 9 kms.
- b. The proposed widening is within the existing land which is in possession of PWD and as such, does not include any new acquisition.
- c. The proposed widening is for a width of 15 mts. only.

Comments – The aforesaid proposal was appraised as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended upto 13th December 2012) and accordingly, **the Committee has clarified that proposed developmental activity (i.e. road widening covering a stretch of 9 kms. with a width of 15 mts. and not involving any fresh/additional land acquisition) does not come under the purview of the said Notification.** However, the Project Proponent (PP) needs to clarify and ascertain the applicability of CRZ Notification, 2011 prior to initiate any further action in the matter.

2. Proposed expansion of a residential complex in Chalta No. 13 and 15 and P.T. Sheet no. 299 of Navelim in Margao by **M/s SRE Estates Developers, Margao.**

Comments - Subsequent to project presentation and based on project-specific observations / clarifications sought by the Members, the Project Proponent (PP) has complied with the same. Accordingly, **Committee has decided to consider/recommend the project.**

3. Later, following proposals for carrying out extraction of minor minerals (*renewal of lease*), as per the Hon'ble Supreme Court "Order" issued dated 27th February 2012 in a matter S. L. P. (c) No. 19628 – 19628 of 2009 and in response to 'Official Memorandum' issued by the Ministry of Environment & Forests (MoEF), Govt. of India, as well as 'Order' issued by the Directorate of Mines and Geology, Govt. of Goa. were taken up for discussion / deliberation subsequent to project presentation by respective Project Proponent (PP) / environmental consultant. Project details may please be referred from sr. nos. 2(1) to 2(11) in *Annexure-2*.

A. M/s Joao Lourenco Baptista - The Project Proponent (PP) has proposed to renew following two (02) existing "Basalt stone" quarry leases located in survey no. 52/0 of Ugeum village of Sanguem taluka of South Goa district, namely

- (i) Lease No. 01/Basalt/04 (5 ha.) - *valid upto November 2012*
- (ii) Lease No. 04/Basalt/04 (4.9 ha.) - *valid upto November 2012*

The said proposal, subsequent to project presentation by the proponent, was discussed and deliberated during the 10th Goa-SEAC meeting held on 11th December 2012. Based on the same, the proponent was directed to comply with following project-specific observations / clarifications w.r.t. –

1. Location-wise details of all the Basalt stone-quarries located in survey no. 52/0 of Ugeum village in Sanguem taluka.
2. Outcome / plan of action of the subsequent to the 'Order' issued by the Hon'ble High Court in the matter of PIL Writ Petition no. 10/2012 On 14th June 2012 (i.e. Francis Xavier Carvalho v/s Dept. of Mines and Geology (DMG)).
3. Current status / update w.r.t. the suspension-cum-show cause notice issued to other stone quarries in general and to **M/s Joao Lourenco Baptista**, in particular, by the DMG, Govt. of Goa.

Comments – The Committee noted that the proponent has failed to submit the relevant documents / clarifications and accordingly, it was **decided to defer / de-list the said proposal pending its compliance.**

B. Mrs. Anila Rege - The PP has proposed to renew one non-operational "Basalt stone" quarry lease (*bearing lease no. 05/Basalt/06 – valid upto November 2011*) located in survey no. 86/0 of Kotambi village in Quepem taluka of South Goa district.

Comments - Subsequent to the project presentation and based on submission / compliance to site-specific observations the **Committee decided to keep its decision**

reserved, pending submission of project-specific compliance with specific reference to proposed on-site quarrying plan as well as Environment Management Plan (EMP).

- C. **M/s Halarnkar Industries** – The PP has proposed to renewal “Basalt stone” quarry lease (*bearing no. 06/Basalt/03 –valid upto 7th September 2013*) located in survey no. 47/1 and 47/2 of Alorna village of Pernem taluka of North Goa district.

Comments - Subsequent to the project presentation and based on submission / compliance to site-specific observations the **Committee decided to recommend the said proposal for grant of prior after submission of compliance to project-specific observations w.r.t Environment Management Plan (EMP).**

- D. **Mr. Chandrashekhar G. Dessai** – The PP has proposed a new lease for “Basalt stone” quarry located in survey no. 62/1 of Cordem village of Quepem taluka in South Goa district.

Comments – During the site inspection, the Committee observed that the proposed site is located along the midstream of a seasonal valley portion that forms a part of rainwater catchment (i.e. watershed area). The proposed excavation will disturb the natural valley flow resulting into a sudden break in slope/gradient which, in turn, would manifest increased erosion causing siltation in the downstream area. In view of the above, **Committee decided to keep its decision reserved, pending submission of project-specific compliance with specific reference to proposed on-site quarrying plan as well as Environment Management Plan (EMP).**

- E. **Dr. Damodar T. Gaonkar** – The PP has proposed a new lease for “Laterite stone” quarry located in Survey no. 15/2 of Costi village of Sanguem taluka of South Goa district.

Comments – During the site inspection, it was observed that the proponent has excavated a land for construction of pond after obtaining NOC from the Water Resources Department (WRD). Further, it was also observed from the extracted material that the proposed site may not be suitable for extraction of Laterite stones but for rubbles only. Accordingly, **Committee has decided to recommend the project.**

- F. **Smt. Maria Alda Pinto** – The PP has proposed renewal of “Basalt stone quarry” – (*lease no. 05/Basalt/03 – valid upto 30th April 2013*) located in survey no. 70/1 of Santana village in Sanguem taluka of South Goa district.

Comments – Subsequent to site-inspection and clarifications sought to certain project-specific observations, the **Committee decided to consider the proposal for recommendation.**

G. Shri. Rumaldo Fernandes – The PP has proposed a new lease for “Laterite stone” quarry located in survey no. 42/0 of Muguli village in Sanguem taluka of South Goa district.

Comments – During the site-inspection, the Committee observed that proposed lease boundary has not been demarcated and there exists another operational / working laterite quarry very adjacent and in continuous with the proposed site in question. It was also observed and given to understand that exhausted part of operational quarry is being filled / levelled with hazardous waste material being transported from far distance. However, the relevant lease details as well as the proponent could not be ascertained on-site. Considering the ambiguity in the aforesaid proposal, the **Committee has deferred its decision pending clarifications to observations as well as re-inspection of the site.**

H. Shri. Shriram V. Gaonkar – The PP has proposed a new “Laterite rubble” stone quarry located in survey no. 38 of Codar village in Ponda taluka of North Goa district.

Comments – Subsequent to site-inspection, the Committee sought compliance and clarification w.r.t. the extent of hill-cutting proposed by the proponent vis-à-vis opinion / comments on the practical feasibility for undertaking horticultural plantations along the excavated portion from the Directorate of Agriculture. Accordingly, **the Committee has considered the project for recommendation of EC.**

I. M/s R. B. S. Candiaparcas – The PP has proposed renewal of two (02) “Basalt stone” quarries namely (a) 03/Basalt/93 and (b) 04/Basalt/93 located in Survey no. 06(2)/P and 11/2(P) respectively in Piliem village of Dharbandora taluka in South Goa district. Lease validity of both these leases has expired in February 2013.

Comments – Subsequent to inspection of both the project sites, the Committee has sought compliance to certain observations with specific reference to post-quarrying closure plan and/or utilization of excavated pit. Subsequently, the **Committee decided to consider the proposal for suitable recommendations.**

J. Mr. Jaiwas Naik – The PP has proposed a new “Laterite rubble” quarry located in survey no. 150 (Part-B) of Verna village in Salcete taluka of South Goa district.

Comments – During the site-inspection, the Committee suggested certain on-site compliance to project-specific observations as well as sought immediate discontinuance of any quarrying-related activities being undertaken, if any, pending relevant appraisal by the EIA-Authority. As such, the **Committee has considered the project for recommendation of EC.**

In addition, the PPs', considered / recommended for grant of prior EC, have been directed to comply with the following –

1. Ascertaining on-site demarcation and construction of lease boundary with poles / bio-fencing / barbed wire for the proposed leased area in question.
2. Construction of approach road / proper access to enable transportation from site to desired destination and/or crushing unit, as applicable.
3. Proposed plan of action / modus operandi for extraction of basalt stones within the available lease boundary limits so as to comply with the provisions of the Mines and Safety Rules / Guidelines, as applicable. (*in case of proponents seeking renewal of lease for basal-stone quarry*).

Further, the Committee also sought monitoring and compliance to the following by the Directorate of Mines and Geology (DMG), namely –

- 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. Submission of '**approved quarrying plan**' by the competent officer as per Sub-rule (7) as well as specific compliance to Sub-rules 7(A) to 7(D) of the above-referred Rules, as applicable.
- c. Ascertaining the compliance to "Order" issued by National Green Tribunal (NGT) dated 21st September 2012 in a matter related to Review Application no. 8/2012 in Application No. 26/2012 and verifying that the minor minerals lease areas referred above do not fall within the Ecologically Sensitive Zone (ESZ-1) as defined in the Western Ghats Ecology Expert Panel (WGEEP) report.

The meeting ended with vote of thanks to the Chair.

Mrs. A. A. B. Barreto

_____ Sd./- _____

Dr. Savita S. Kerkar

_____ Sd./- _____

Mr. S. M. Sawant

_____ Sd./- _____

Dr. Purnanand Savoikar

_____ Sd./- _____

Sd./-
Dr. Mohan R. Girap
Secretary, Goa-SEAC

Sd./-
Dr. S. P. Fondekar
Chairman, Goa-SEAC

Place: Patto, Panaji
Date: 13th March 2013

ANNEXURE – 1

List of members who attended the twelfth Goa-SEAC meeting

1. Dr. S. P. Fondekar, Margao – **Chairman**
2. Mrs. A. A. B. Barreto, Panaji. - *Member*
3. Dr. Savita S. Kerkar, Taleigao - *Member*
4. Dr. Purnanand Savoikar - *Member*
5. Mr. S. M. Sawant - *Member*
6. Dr. Mohan R. Girap, Panaji - *Secretary*

ANNEXURE – 2

Agenda items for the Thirteenth Goa-SEAC meeting held on 7th March 2013

1. New project proposals seeking prior EC as mandated under the EIA Notification, 2006

A. PROPOSED EXPANSION OF RESIDENTIAL COMPL IN CHALTA NO. 13 & 15 ANDP.T. SH NO. 299 OF NAVELIM IN MARGAO CITY BY M/S SRE ESTATES DEVELOPERS, MARGAO

Sr. No.	Project Proponent (PP) / Applicant	Proposed Activity	Site-specific location details	Project details / specification / salient features	Comments of the Goa-SEAC members and its compliance by PP Current Status
1	<p>M/s SRE Estates Developers, Supreme, Behind New Telephone Exchange, Opposite Bombi House, Comba, Margao – 403 601 (Post Box. No. 778)</p> <p>Ph. 0832-2736418 / 19 Fax. 0832-2735976 e-mail – sales@sregroup.in</p> <p>Mr. Yogesh Naik – Partner, Ph. 0832-2736418 Fax. 0832-2735976 e-mail – yogeshnaik@sregroupgoa.in M - 9822100532</p> <p>Environmental consultant – M/s Aditya Environmental Consultancy, Mumbai</p>	<p>Proposed expansion of residential complex (G + 8 floors) “Supreme Colmorod Central” that includes –</p> <p>01 –Studios 06 – 1 BHK 124 – 2 BHK 25 – 3 BHK (total 156 flats)</p> <p>Category 8 (a) – B Construction projects</p> <p>Received on 23rd January 2013</p>	<p>Chalta no. 13 & 15 of Petitate Sheet No. 299 of Margao city in Salcete taluka of South Goa district. (i.e. Navelim)</p> <p>(i.e. Margao Municipal Limits)</p> <p>Ph. 0832-2714448</p>	<p>Total plot area – 8,566 sq. mt. Approved Built-up area – 6,958.15 sq.mts. Proposed built-up area – 22,386.21 sq.mts. Gross built-up area – 29,344.36 sq.mts. Permissible F.A.R. – 16,932 sq.mts. FAR consumed – 16,904 sq.mts. Open space required – 1,284.90 sq.mts. Open space provided – 1,580 sq.mts.</p> <p>Expected total occupancy – 702 persons</p> <p>Parking proposed – 185 ECS</p> <p>Geo-technical soil investigation (through three bore-holes drilled upto 10mts.) has been prepared and submitted with the proposal (conducted by M/s Surbhi Enterprises – a Geotek Consortium, Mahim, Mumbai.). Accordingly, Groundwater table is encountered at a depth ranging from 1.7 mts. to 2 mts. As such, Raft foundation has been proposed with allowable bearing pressure of 15 t/m² that may result with maximum settlement less than 65 mm.</p> <p>Water requirement –</p> <ol style="list-style-type: none"> a. During Construction phase – 20CMD (2CMD for domestic use and 18CMD for construction purpose) to be sourced from private tankers and proposed open well. b. During operational phase – 139CMD (i.e. 63CMD from PWD and 76CMD from STP-recycled) 	<ol style="list-style-type: none"> 1. It is understood that the existing structure is proposed to be demolished and proposed development is an expansion. Total built-up area of these existing structures is 407.26 sq.mts. 2. The proposed development falls under Margao Municipal Council (MMC). Since the area falls under C1 (commercial) zone, the maximum height permissible is 24 mts. as per TCP laws. 3. South Goa Planning and Development Authority (SGPDA) has issued development permission in February 2012. 4. During construction phase, water requirement will be met through proposed open well. As such, may like to specify site-specific details superimposed on a contour map. It is recommended that water requirement during construction phase should not be sourced from open well. PP need to make alternate arrangement for the same. However, on operationalization, the PP should mandatorily adapt rainwater harvesting (RWH) for effective recharging of open well. – PP has communicated that proposed construction of underground tanks of 200 cu.m. capacity and septic tanks will be designed by a RCC consultant by providing proper upward thrust considering occurrence of groundwater at relatively shallow depth.

	Ms. Poonam Moye		<p>Wastewater generated – 81CMD of wastewater to be treated in Sewage Treatment Plant of 85CMD capacity having Moving Bed Bio-Reactor (MBBR) technology which will generate 76CMD of treated water. Out of this, 32CMD for flushing, 08CMD for gardening, 05CMD for car washings. 31 CMD of the balanced STP treated water is proposed to be provided to existing bungalows / buildings for the purpose of gardening. The PP has proposed dual plumbing system.</p> <p>10kgs. of sludge per day will be generated which is proposed be dewatered, dried and mixed with compost for gardening.</p> <p>Solid waste generated -</p> <ol style="list-style-type: none"> 1. During construction phase about 1-2 MT /day of debris is estimated to be generated. 2. During operational phase, about 298 kgs./day is estimated to be generated which will be segregated at source into wet and dry garbage. Biodegradable waste (<i>50% of the total waste</i>) is proposed to be treated on Organic Waste Converter (OWC). Space of 200 sq.mts. has been proposed as per the plan for segregation of the non-biodegradable waste and segregated waste is proposed to be disposed-off through scrap dealer for recycling. <p>Power requirement. –</p> <ol style="list-style-type: none"> a. Construction phase – 2.5 HP <p>Operation phase – 2,124 KVA to be sourced from Goa State Electricity Board. In addition, back-up power through 01 DG sets of 625 KVA capacity.</p>	<ol style="list-style-type: none"> 5. PP may like to clarify w.r.t. digging of any bore-well(s) and accordingly, may specify modus operandi for its effective recharge either through roof-top or watershed approach as RWH initiatives. – Complied. 6. Total capital cost of EMP is Rs. 75 lakhs and expected operation and maintenance cost is Rs. 9 lakhs. It is proposed to – <ol style="list-style-type: none"> a. Capital cost for environmental infrastructure to be borne by Developer b. Infrastructure to be operated and maintained by Developer till formation of Society and Conveyance. c. Corpus fund to be created for maintenance of Environmental Infrastructure @ Rs. 50,000/- per flat.
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2. As per the “Goa Mineral Concession (Amendment) Rules, 2012” notified by the Directorate of Mines and Geology (DMG) and published in Official Gazette Series 1 No. 24 dated 17th September 2012, following proposals seeking prior EC for New / Renewal of Quarrying Lease has been received for suitable appraisal / consideration.

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>Lease nos. – (a) Quarry 56/1495/97- Mines/3483 (b) Quarry 34/430/07- Mines/3485 (Validity upto November 2012)</p> <p>Category 1(a) – B</p> <p>What about –</p> <ol style="list-style-type: none"> 1. M/s Danra Metals – Basalt stone quarry (10/Basalt/10-11 - lease validity upto 13th May 2013). 2. M/s Satyappa Gidappa Dhangalkar – Stone quarry (06/Basalt/10-11 - lease valid upto 12th April 2015) 3. M/s Maruksha Stone Industry – Stone quarry 4. M/s Bharat Farm – Stone quarry 5. M/s Minguelino D’Costa, C/o Deodita Stone Crushers - (06/Basalt/06 – lease validity expired in November 2011) 	<p>Survey No. 52/0 of Ugeum village in Sanguem taluka of South Goa district</p> <p>How many Basalt-stone quarries in this survey no.?</p> <p>What is the outcome of ‘Order’ issued in the matter of PIL Writ Petition No. 10/2012 on 14th June 2012</p> <p><i>Francis Xavier Carvalho V/s Dept. of Mines and Geology.</i></p> <p><i>Suspension cum show cause notice has been issued by the DMG</i></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 contagious with a common boundary or independent of each other? 2. Both the leases have Consent to Operate issued by the Board and valid upto 31st December 2014. 3. 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. 4. PP may like to submit measures proposed to be adapted for dust suppression / noise pollution. 5. 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. 6. 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. 7. PP may like to specify the optimum buffer zone maintained from the outermost lease boundary to the nearest excavation within the plot.. 8. PP may indicate the maximum depth upto which it is

					<p>proposing the road metal extraction?</p> <p>Proposal was discussed during the Tenth meeting held on 11th December 2012. SITE –INSPECTION YET TO BE CONDUCTED SUBJECT TO RESPONSE FROM PP AS SOUGHT DURING THE MEETING STILL AWAITED – status as on 7th March 2013.</p>
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2	<p>Mrs. Anila Rege, Flat No. 6-3-B, Aquem, Alto, Margao, Goa. Ph. 0832 – 2663160</p> <p><i>EMP has been prepared by</i></p> <p>M/s Sinha Mining Consultancy, Mr. P. V. Hegde, Reg. no. RQP/Goa/162/2003/A (IBM) e-mail – suyogenterprise@yahoo.com</p> <p>Mobile – 08805366042</p>	<p>Basal stone quarry – 05/Basalt/06 <u>Lease has currently expired in September 2011</u> and seeking renewal from 29th September 2011 for a period of five years (05 yrs.)</p> <p>Category1(a) – B</p> <p>21st January 2013</p> <p>(RENEWAL)</p> <p>Goa-SEAC has inspected the site on 26th February 2013.</p>	<p>Survey no. 86/0 of Kotambi village in Quepem taluka of South Goa district.</p>	<p>Total plot area – 4,800 sq.mts. Total capacity – 1,800 m³ per year (18 m³ per day) Total mineral reserve is estimated to be about 95,000 m³.</p>	<ol style="list-style-type: none"> 1. PP may like to specify environmental mitigative measures being utilized in case of rainwater collected in the pit. 2. PP has proposed to develop a exhausted pit as a water reservoir. As such, may like to ascertain the life of a quarry / pit (is it 50 years???). What is a present depth of quarry and how deep PP proposes to excavate in search of road-metal (is it 10 MSL ???)? 3. PP may like to submit the modus operandi of conducting water and Air monitoring programme at three locations along the periphery and within the buffer zone of the quarry. 4. PP may submit the existing land-use / land-cover (i.e. Google image) around 5 mks. radius of the quarry so as to understand the location-specific details of other quarries / mines, if any. <p>PP and Consultant have been directed to submit the proposed quarrying plan as well as EMP prior to process the proposal further.</p>
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3	<p>M/s Halarnkar Industries, Tivim Industrial Estate, Karaswada Industrial Estate, Bardez, Goa. Ph. 0832-2257304</p> <p>Mr. Meghashyam Halarnkar 9421242947</p> <p>EMP prepared by Mr. Pradip Sarmokadam, Director, M/s Lila Digital and Environmental Solutions Pvt Ltd., 1st Floor, Rani Pramila Arcade, 18th June Road, Panaji. 2426250 / 2222496 / 6653250</p>	<p>Basalt stone quarry – Lease no. 06/Basalt/03 (valid upto 7th September 2013)</p> <p>Air consent is valid upto 26th February 2013</p> <p>Category 1(a) – B</p> <p>29th January 2013</p> <p>(RENEWAL)</p> <p>Goa-SEAC has inspected the site on 28th February 2013.</p>	<p>Survey no. 47/1 and 47/2 of Alorna village in Pernem taluka of North Goa district.</p> <p>Toposheet – 48 I/3</p>	<p>Total project area – 12,075 sq.mts. Total quantity – 60 m³ per day</p>	<p>A. As per Clause (8) in Part VIII of the “Form of Quarrying Lease – Form D” (refer page 23), Renewal of quarrying lease shall be subject to the outcome of the decision of the Hon’ble High Court in Writ Petition no. 20/08.</p> <p>The EMP has been prepared by M/s Lila Digital and Environmental Solutions Pvt. Ltd., Panaji.</p> <ol style="list-style-type: none"> 1. Quarrying Plan needs to be prepared and required to be approved by the Directorate of Mines and Geology (DMG) as per Goa Minor Minerals (Amendment) Rules, 2012. 2. May like to submit the Categorization / Zonation plan of the proposed project-site from TCP and/or Forest Dept., as applicable. <p>The PP has been directed to submit the project-specific compliance.</p>
4	<p>M/r Chandrashekar Govind Dessai, House No. 166/J, Ghaneshem, Gaodongrem, Canacona.</p> <p>M - 9923397535</p> <p>Environment Management Plan (EMP) prepared by - Mr. P. V. Hegde 9822067769</p> <p>M/s Sinha Mining Consultant, e-mail – sinha.goa@gmail.com 9822067769 / 9405923043</p>	<p>Basalt stone quarry – NEW LEASE</p> <p>Category 1(a) – B</p> <p>24th January 2013</p> <p>Goa-SEAC has inspected the site on 26th February 2013.</p>	<p>Survey no. 62/1 in Cordem village of Quepem taluka of South Goa district.</p>	<p>Total project area – 5,000 sq.mts. Total quantity – 18 m³ per day - 4,200 m³ per annum. Expected life of a quarry – 05 years</p>	<p>The EMP has been prepared by Mr. P. V. Hegde – Reg. no. RQP / GOA / 162 / 2003 A (IBM) which is valid upto 16th December 2013.</p> <ol style="list-style-type: none"> a. Quarrying Plan needs to be prepared and required to be approved by the Directorate of Mines and Geology (DMG) as per Goa Minor Minerals (Amendment) Rules, 2012. b. May like to submit the Categorization / Zonation plan of the proposed project-site from TCP and/or Forest Dept., as applicable considering the location of 3-4 small villages within 5 kms. radius of the lease area. <p>Committee has decided to keep its decision reserved, pending submission of project-specific compliance with specific reference to proposed on-site quarrying plan as well as Environment Management Plan (EMP).</p>

5	<p>M/s Dr. Damodar T. Gaunker, House No. 5, Costi, Kalay, Sanguem.</p> <p>M – 9011000207 / 9011000254 Ph. 0832-2601234</p> <p>e-mail – dr.gdamodar@gmail.com</p>	<p>Laterite stone quarry – NEW LEASE</p> <p>Category 1(a) – B</p> <p>1st February 2013</p> <p>Goa-SEAC has inspected the site on 27th February 2013.</p>	<p>Survey no. 15/2 of Costi village of Sanguem taluka of South Goa district.</p>	<p>Total project area – 4 ha. Quantity to be extracted per year – 1,500 m³.</p>	<ol style="list-style-type: none"> 1. What is the existing land-use / land-cover categorization? Are there any permanent or seasonal water sources in the form of stream / nalla / spring / well? Small seasonal nalla located towards south-western part of the lease (<i>refer pg. 6 of chapter 3 of the proposed EMP</i>) needs special attention as it should not be diverted or reclaimed. In addition, analysis of well-water (located around the periphery of the quarry) needs to be analysed on regular basis (every three months) as indicated. (<i>refer pg. 7 of chapter 3</i>). 2. The proposal indicates about the ‘Reclamation’ work (<i>refer item no. 1.10 in Form-1</i>). Project Proponent (PP) may like to specify the details and purpose of reclamation thereof. 3. PP may indicate nearest distance to the closest settlement area / house / vaddo, etc. 4. PP may like to indicate the water requirement per day / month as well as source of the same. 5. PP may like to ascertain the planned life of a quarry with modus-operandi for disposal of lateritic overburden vis-à-vis environmental considerations, including its stabilization, if any. <p style="text-align: center;">The PP has clarified the project-specific observations</p>
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6	<p>Smt., Maria Alda Pinto, And Shri. Dementro V. Fernandes, H. No. 516, Periudak, Santona, Sanguem, Goa.</p> <p>M – 9049775024 vfernandes137@gmail.com Rapid EIA / EMP has been prepared by Joshi-Upadhye Associates</p>	<p>Basalt stone quarry – RENEWAL Quarry lease no. 05/Basalt/03 (Lease valid upto 30th April 2013)</p> <p>Air consent is valid upto 11th March 2013 <u>only for extraction capacity of 180 m³ per month.</u></p> <p>Explosive license is valid upto 31st March 2005.</p> <p>Category 1(a) – B 5th February 2013</p>	<p>Survey no. 70/1 of Santona village in Sanguem taluka of South Goa district.</p> <p>Total geological resource – 9,23,900 m³</p> <p>Total Mineable resource – 4,13,600 m³</p> <p>Site was inspected by Goa- SEAC on 8th Feb. 2013.</p>	<p>Existing lease area – 3.360 Ha. Rated capacity – 4,500 m³ per month - 54,000 m³ per annum</p> <p>Existing capacity – 180 m³ per month – 2,160 m³ per annum.</p> <p>Expected life of a quarry – 8 years</p>	<ol style="list-style-type: none"> 1. The PP proposes to set-up a crusher in the vicinity for which Consent to Establish from the GSPCB has been obtained on 9th November 2012. 2. Mine-waste is proposed to be dumped outside the lease area which also belongs to the lessee. 3. PP may like to submit the tentative conceptual quarrying plan for records. <p>The PP has clarified the project-specific observations</p>
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7	<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</p> <p>Category 1(a) – B</p> <p>8th February 2013</p> <p>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.</p> <p>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>	<ol style="list-style-type: none"> 1. PP is requested to submit the progressive (i.e. year wise) quarry closure plan and/or Environment management Plan (EMP) proposed to be adopted at the end of life-span of quarry. 2. The nearest settlement is about 300 mts. away from lease boundary. <p>Goa-SEAC has kept its decision reserved pending clarification to site-specific observations and re-inspection, if any.</p>
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8	<p>Shri. Shriram V. Gaonkar, H. No. L-12, Gogal, Near Housing Board, Margao – 403 601</p> <p>(M) - 9422057061</p>	<p>Laterite / Rubbles stone quarry – NEW</p> <p>Category 1(a) – B</p> <p>8th February 2013</p> <p>Goa-SEAC has inspected the site on 21st February 2013.</p>	<p>Survey no. 38 of Codar village in Ponda taluka of North Goa district.</p> <p>Proposed land is owned by the proponent.</p>	<p>Proposed lease area – 15,000 sq.mts.</p> <p>Proposed capacity – 19,200 m³ per annum / 24,000 m³ (i.e. 1,600 m³ per month)</p> <p>Total excavation during the life-span of a quarry – 5,80,000 m³ @ 80 m³ per day.</p> <p>Expected life-span of quarry – 20-25 years</p>	<ol style="list-style-type: none"> 1. PP has claimed that proposed extraction is above the ground-level and as such, there is no backfilling 2. PP has proposed to utilize the land for agricultural plantation (i.e cashew / coconut) at the end of its life-span. The nearest settlement is at a distance of 500 mts. from lease boundary. 3. It is proposed that waste material (i.e. Murrum / broken stones) is proposed to be used for filling and leveling of low-lying areas. However, PP is directed not to disturb / divert / reclaim existing water course, if any. 4. PP may specify the maximum depth upto which it proposes to undertake extraction of stones. <p>The PP has complied with the site-specific observations.</p>
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<p>9</p>	<p>M/s R.B.S. Candiaparc, Purushottam Niwas, Khandepar, Ponda, Goa – 403 401</p> <p>Mr. Paresh Khandeparkar Ph. 0832-2314918 / 2318324 Fax. – 0832-2318567</p> <p>e-mail: rbscpanaji@rediffmail.com</p> <p>Consultant – M/s Kurade and Associates, Cuncolim.</p>	<p>Basalt stone quarry – RENEWAL (Lease no. 04/Basalt/93) – valid upto 11th February 2013</p> <p>Category 1(a) – B</p> <p>The lease does not have a separate explosive magazine.</p> <p>8th February 2013</p> <p>Goa-SEAC has inspected the site on 21st February 2013.</p>	<p>Survey no. 11/1(P) of Piliem village in Dharbandora taluka of South Goa district.</p>	<p>Total lease area – 3.42 Ha. (2.495 Ha. Has been unutilized)</p> <p>Rated capacity – 5,000 m³ per annum Rejection (i.e. overburden) handling – 600 m³ per annum</p> <p>Total available geological reserves – 3,11,562 m³.</p> <p>Current depth of the pit achieved – 20 mts. BGL.</p> <p>Optimum depth proposed – 30 mts. BGL.</p> <p>Expected life –span – 62 years</p>	<ol style="list-style-type: none"> 1. PP has ascertained that total water requirement for green-belt development, and dust suppression is about 15 KLD which is proposed to be met from accumulated water in the pit. As such, may please clarify the source of this water and whether quarrying is being done below the groundwater table. 2. PP may clarify the maximum elevation difference within the proposed lease boundary. 3. PP is requested to fence the lease boundary – either with barbed wire / bio-fencing and the seasonal nalla along the northern boundary of the lease should not be disturbed / diverted / reclaimed. 4. PP may please specify and adhere to the bench / terraces pattern as stipulated in the Mines and Safety regulations / guidelines. 5. PP has proposed to backfill the excavated portion of a quarry. As such, may like to submit the phase-wise action plan. 6. The excavated material is manually sized and sent to crushing and screening plant located about 1.5 kms. from lease area. 7. PP has submitted the area wise statement of present land use pattern. <p>The PP has been directed to comply with the proposed quarrying plan in light of the Mines Safety Regulations w.r.t. benches and terraces.</p>
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<p>10</p>	<p>M/s R.B.S. Candiaparc, Purushottam Niwas, Khandepar, Ponda, Goa – 403 401</p> <p>Mr. Paresh Khandeparkar P. O. Box no. 187, Anant Smriti, Behind Main Post office, Ponda, Goa.</p> <p>Ph. 0832-2314918 / 2318324 Fax. – 0832-2318567</p> <p>e-mail: rbscpanaji@rediffmail.com</p> <p>Consultant – M/s Kurade and Associates, CuncoLim.</p>	<p>Basalt stone quarry – RENEWAL (Lease no. 03/Basalt/93) – valid upto 11th February 2013</p> <p>Category 1(a) – B</p> <p>The lease has a separate explosive magazine.</p> <p>8th February 2013</p> <p>Goa-SEAC has inspected the site on 21st February 2013.</p>	<p>Survey no. 6/2(P) of Piliem village in Dharbandora taluka of South Goa district.</p>	<p>Total lease area – 2.32 (Ha. has been unutilized).</p> <p>Rated capacity – 6,000 m³ per annum Rejection (i.e. overburden) handling – 700 m³ per annum</p> <p>Total available geological reserves – 2,82,760 m³.</p> <p>Current depth of the pit achieved – 20 mts. BGL.</p> <p>Optimum depth proposed – 30 mts. BGL.</p> <p>Expected life –span – 47 years</p>	<ol style="list-style-type: none"> 1. PP has ascertained that total water requirement for green-belt development, and dust suppression is about 10 KLD which is proposed to be met from accumulated water in the pit. As such, may please clarify the source of this water and whether quarrying is being done below the groundwater table. 2. The maximum elevation difference within the lease boundary is 18 mts.. 3. PP is requested to fence the lease boundary – either with barbed wire / bio-fencing. 4. PP may please specify and adhere to the bench / terraces pattern as stipulated in the Mines and Safety regulations / guidelines. 5. PP has proposed to backfill the excavated portion of a quarry. As such, may like to submit the phase-wise action plan. 6. The excavated material is manually sized and sent to crushing and screening plant located about 1.5 kms. from lease area. 7. PP has submitted the area wise statement of present land use pattern (as on 30th May 2011). <p>The PP has been directed to comply with the proposed quarrying plan in light of the Mines Safety Regulations w.r.t. benches and terraces.</p>
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<p>11</p>	<p>Shri. Jaiwas Naik, H. No. 353, Shindolim, Sancoale, Cortalim.</p> <p>M – 7350787380 - 7350933668</p> <p>Consultant – M/s Kurade and Associates, Cuncochim.</p>	<p>Laterite / Rubbles stone quarry – NEW</p> <p>Category 1(a) – B</p> <p>11th February 2013</p> <p>Goa-SEAC has inspected the site on 21st February 2013.</p>	<p>Survey no. 150 (Part- B) of Verna village in Salcete taluka of South Goa district.</p> <p>Property rights are with the proponent by way of partition suit bearing no. 25/11/III.</p>	<p>Proposed lease area – 20,000 sq.mts.</p> <p>Proposed capacity – 5,000 m³ per annum (about 500 m³ per month – 25m³ / 60 m³ per day)</p> <p>Total expected Laterite extraction – 75,000 m³. (within life-span of 15 years)</p>	<ol style="list-style-type: none"> 1. PP is requested to fence the lease boundary with poles for clear demarcation – either with barbed wire / bio-fencing. 2. PP has proposed that open quarried pit will be back-filled with wastes – murrum / stone wastages and to be used for plantation. 3. PP may clarify the provision of accessibility to site with proper approach road / transportation route. The nearest human settlement is at a distance of about 800 mts. 4. Laterite extraction does not involve any blasting operations. However, operational timings be restricted from 09.00 a.m. upto 6.00 p.m. and be discontinued during monsoon season (04 months). 5. PP may like to submit the existing land-use / land-cover of the surrounding area within 5 kms. around the proposes site. 6. PP may submit the expected maximum depth upto which it proposes to carry out excavation. <p style="text-align: center;">The PP has complied with the site-specific observations.</p>
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3. Any other matter with the permission of the Chair.