

**Minutes of the 11th Goa State Expert Appraisal Committee
(Goa-SEAC) meeting held on 11th January 2013 at 10.00 a.m. in the
Conference Room of the EIA Secretariat, O/o Goa State Pollution
Control Board (GSPCB), Patto.**

The eleventh meeting of the Goa-SEAC was held on 11th January 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 apprised 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. Following project proposals which were forwarded by the O/o the Goa Coastal Zone Management Authority (GCZMA) were appraised in order to ascertain the applicability of the EIA Notification, 2006:
 - a. **Mr. Arun Naik, PAH for Mr. Arun Shah, H. No. 10, Gaint, Bogmolo, Goa - proposed construction of Arun resort (68 rooms) in Survey No. 63/3 of Chicalim village, Mormugao taluka in South Goa district.**

The proposed site is categorized under CRZ-III zone (open land under settlement zone) and located beyond 200 mts. from HTL covering total plot area of 9,159 sq.mts. The proposed resort construction (68 rooms) involves built-up area of 2,922.64 sq.mts. As such, the proposed construction activity requires NOC from the MoEF / NCZMA, subject to suitable recommendation from the Goa Coastal Zone Management Authority (GCZMA) as per CRZ Notification, 2011. Further, the said activity needs to be complied with the “**Policy for utilization of available open plots in CRZ-III zone**” issued by the Department of Science, Technology & Environment (DST&E) vide letter no. GCZMA/H. COURT MATTER/07/656/Part IV/311 dated 10th June 2011.

Based on the proposed built-up area involved and as per the ‘Schedule’ annexed to the EIA Notification, 2006, the said construction activity does not come under the purview of the said Notification as the proposed total built-up area is less than 20,000 sq. mts.

2. Subsequently, following two (02) developmental proposals (*refer Annexure-2*) were discussed after their project presentations by respective project proponents / environmental consultants concerned.

- a. Proposed construction of Group Housing and commercial project (*i.e. 400 flats and 52 commercial shops of 609 sq.mts. each.*) in Survey no. 20/3-A of Bainguinim village of Tiswadi taluka in North Goa district by **Mr. Rajendra Prasad Singla, Margao, Goa.**
- b. Proposed construction of Eco-resort (*i.e. 1 restaurant – 572 seats and 16 building clusters (i.e. G + 2) with 200 rooms*) in Survey no. 16 & 7 of Moitem village in Bardez taluka of North Goa district by **M/s Mahindra and Mahindra Ltd., Chennai.**

For the above projects, the Committee sought additional information / details pertaining to –

1. Rainwater harvesting initiatives and/or water conservations measures (i.e. proposed underground storage) with relevant technical details along with site-specific plans/drawings.
2. Plan of action towards optimum utilization of natural resources (i.e. sunlight) with special reference to energy conservation in service utility areas / landscape development.
3. Monitoring mechanism of groundwater (i.e. bore well / open well) / surface sources (i.e. river, canal, lake, etc.,) existing within as well as around periphery of the proposed site, if any, to understand water quality and decipher possible impacts, if any.
4. Existing land-use / land-cover within 5 kms. around the periphery of the propose project site so as to understand the presence of ecologically sensitive areas. If any.

Further and based on the site-inspection conducted subsequently on 22nd and 24th January 2013, the Committee has decided to recommend these projects to the Authority for issuance of prior EC as mandated in the EIA Notification, 2006.

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. The respective quarry sites were also inspected on 24th and 25th January 2013 to ascertain on-site status vis-a-vis field observations. Project details may please be referred from *Annexure-2*.

A. M/s Sapna Ceramics Pvt. Ltd., - The Project Proponent (PP) has proposed to renew following three (03) existing “Basalt stone” quarry leases namely –

- (i) Lease no. 10/basalt/93 – 10,000 sq.mts. (*valid upto 22nd June 2013*)
- (ii) Lease no. 03/Basalt/94 – 29,225 sq.mts. (*valid upto 22nd June 2014*)
- (iii) Lease no. 2/Basalt/98 – 22,000 sq.mts. (*valid upto 18th February 2013*)

In addition, it has proposed **One New Lease** covering total area of 50,000 sq.mts. which is in continuous with the existing leases and located in Survey No. 29/1, of village Conquerim in Sattari taluka of North Goa district.

Further, another old lease, existing within the plot area, bearing no. 01/Basalt/07 – 19,000 sq.mts. has been closed and surrendered to the Directorate of Mines and Geology (DMG), Goa in February 2012.

B. Mr. Vinayak Vasudev Chodankar - The PP has proposed to renew the existing “Basalt stone” quarry leases bearing lease no. 01/Basalt/97 which is located in Survey No, 63/1 of village Santona in Sanguem taluka of South Goa district. The lease validity of which has expired in January 2007.

C. M/s Bomba Laterite Stones – The PP has proposed to renew following three (03) “Laterite stone” quarry lease located in Survey Nos. 58/0 (2.8650 ha.), 52/1&2 (4.26 ha.) and 56/0 (3.2275 ha.) in Loutolim village in Salcete taluka of South Goa district namely –

- (i) 02/Laterite/88 – 2.6424 ha. (*valid upto February 2013*)
- (ii) 03/Laterite/03 – 2.35 ha. (*valid upto May 2013*)
- (iii) 06/Laterite/07 – 2.9886 ha. (*lease expired in July 2012*)

Subsequently, based on the project presentation as well as well on-site clarification during the inspection vis-a-vis submission of additional details from respective PPs’, the Committee decided to recommend these proposals to the Authority for issuance of prior EC as mandated in the EIA Notification, 2006 subject to 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 in (A), (B) and (C) 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.

Mr. S. M. Sawant

_____ *Sd./-* _____

Mr. Antonio Jaimes Afonso

_____ *Sd./-* _____

Mrs. A. A. B. Barreto

_____ *Sd./-* _____

Dr. Savita S. Kerkar

_____ *Sd./-* _____

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

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

Place: Patto, Panaji
Date: 28th January 2013

ANNEXURE – 1

List of members who attended the eleventh Goa-SEAC meeting

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| 1. Dr. S. P. Fondekar, Margao | – | Chairman |
| 2. Mrs. A. A. B. Barreto, Panaji. | - | <i>Member</i> |
| 3. Mr. S. M. Sawant, Porvorim | - | <i>Member</i> |
| 4. Mrs. Savita S. Kerkar, Taleigao | - | <i>Member</i> |
| 5. Mr. Jaimes Afonso, St. Istevam | - | <i>Member</i> |
| 6. Dr. Mohan R. Girap, Panaji | - | <i>Secretary</i> |

ANNEXURE – 2

Agenda Items for the Eleventh Goa-SEAC meeting held on 11th January 2013 at 10.00 a.m. in the GSPCB

1. Applications forwarded by the O/o the GCZMA for appraisal under the EIA Notification, 2006

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| 1 | <p>Applicability of EIA Notification, 2006 for the projects related to proposed construction of Arun resort (68 rooms) in Survey No. 63/3 of Chicalim village, Mormugao taluka in South Goa district.</p> <p style="text-align: center;">GCZMA / S / 342 / 1147 dated 5th Decemjber2012</p> <p style="text-align: center;">(received on 7th December 2012)</p> <p>Mr. Arun Naik, PAH for Mr. Arun Shah, H. No. 10, Gaint, Bogmolo, Goa.</p> | <p>The proposed site is classified as CRZ-III area (open land under settlement zone) located beyond 200 mts. from HTL covering total plot area of 9,159 sq.mts. The proposed resort construction involves built-up area of 2,922.64 sq.mts.</p> <p style="text-align: center;">GCZMA has submitted ONLY ONE HARD copy of the project proposal</p> <p>Based on the proposed built-up area involved and as per the ‘Schedule’ annexed to the EIA Notification, 2006, <u>the said construction activity does not come under the purview of the EIA Notification as the proposed total built-up area is less than 20,000 sq. mts.</u></p> <p style="text-align: center;">EIA study has been carried out by M/s Sadekar Enviro Engineers Pvt. Ltd., and includes soil and groundwater testing.</p> |
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2. New project proposals seeking prior EC as mandated under the EIA Notification, 2006

A. PROPOSED GROUP HOUSING AND COMMERCIAL PROJECT SURVEY NO. 20/3 A OF BAINGUINIM VILLAGE IN TISWADI TALUKA OF NORTH GOA DISTRICT

| Sr. No. | Project Proponent (PP) / Applicant | Proposed Activity | Site-specific location details | Project details / specification / salient features | Comments of the Goa-SEAC members Current Status |
|---------|--|--|---|---|--|
| 1 | <p>M/s Rajendra Prasad Singla, House No. 235/1, Karle Properties, Pulwada, Margao-Benaulim Road, Margao, Goa.</p> <p><u>Environmental Consultant</u> Mr. Sunil Dixit, M/s J. M. EnviroNet (P) Ltd., 1st and 2nd Floor, S. C. O. 16, Sector – 10A, Gurgaon – 122 001 e-mail : jmenviron@hotmail.com jmenvirostudies@hotmail.com</p> <p>Correspondence address –</p> | <p>Proposed Group Housing and Commercial project including</p> <p>400 flats and 52 commercial shops of 609 sq.mts. each.</p> <p style="text-align: center;"><u>(May please categorize into 1/2/3-BHK)</u></p> <p>Category 8 (a) – B Construction projects</p> | <p>Survey no. 20/3-A of Bainguinim village of Tiswadi taluka in North Goa district.</p> | <p>Total plot area – 32,893 sq. mt. Effective plot area – 27,966 sq. mts. Permissible F.A.R. – 26,314.40 sq.mts. Proposed F.A.R. – 26,306.34 sq.mts. Proposed built-up area – 44,604.70 sq.mts. (Please check Form 1 – 4,44,604.70 sq.mts. ???)</p> <p>Ground coverage – 9,233.22 sq.mts. Greenbelt development – 4,822 sq.mts. (17.24% of effective plot area)</p> <p>Expected total occupancy – 2,796 persons (residential – 1,735 and floating – 1,061) Parking proposed – 478 ECS</p> <p>Geo-technical soil investigation has been proposed. <u>As such, may like to submit the copy of the report.</u></p> | <p>1. Geo-hydrological as well as soil studies is required to be carried out to ascertain groundwater status vis-à-vis its recharge potential and optimum withdrawal limit.</p> <p>2. PP has proposed bore-wells as such, may furnish location-specific details along with plan of action details pertaining to RWH initiatives with technical specifications / diagrammatic sketch proposed to be adapted.</p> <p style="text-align: center;">SITE INSPECTED ON 22ND JANUARY 2013</p> |

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| <p>C/o Avinash Borkar, Akar Creations Pvt. Ltd., 2nd Floor, Lake Plaza, Fatorda, Margao, Goa. – 403 602</p> <p>avinash@borkars.com, smita@akarcreations.in</p> <p>Ph. 2743680 / 2743684 Fax. 2743686</p> | | | <p>Water requirement –</p> <ol style="list-style-type: none"> During Construction phase – 25KLD to be sourced from private tankers. During operational phase – 318 KLD (i.e. 195 KLD from PWD and 123 KLD from STP-recycled) <p>Wastewater generated – 248 KLD to be treated in Sewage Treatment Plant (300 KLD STP) with Moving Bed Bio-Reactor (MBBR) technology upto tertiary level which will generate 223 KLD of treated water. Out of this 113 KLD to be used in green area development (15 KLD), toilet flushing (100 KLD) and car washings (8 KLD) and the rest will be drained into the municipal sewerage line. As such. Dual plumbing system is proposed.</p> <p>However, <u>modus-operandi for treatment / disposal method for sludge may be specified.</u></p> <p>Solid waste generated -</p> <ol style="list-style-type: none"> 1,450 kgs./day (operational phase) – proposed to be segregated at source into wet and dry garbage. <p>Power requirement. –</p> <ol style="list-style-type: none"> Construction phase – 20 kw. In addition, back-up power through one (01) DG set of 60KVA capacity. Operation phase – 2,060 kw to be sourced from Goa State Electricity Board. In addition, back-up power through 23 DG sets of 30KVA capacity each, totaling to 690 KVA. <p>EMP has been prepared.</p> | |
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B. PROPOSED CONSTRUCTION OF ECO-RESORT IN SURVEY NO. 16 & 7 OF MOITEM VILLAGE IN BARDEZ TALUKA OF NORTH GOA DISTRICT

| Sr. No. | Project Proponent (PP) / Applicant | Proposed Activity | Site-specific location details | Project details / specification / salient features | Comments of the Goa-SEAC members / Current Status |
|---------|---|---|---|--|--|
| 2 | <p>M/s Mahindra & Mahindra Ltd., Mahindra Towers, 17/18, Pattulos Road, Chennai – 600 002</p> <p>Mr. S. V. Balram,</p> | <p>Proposed construction of Eco-resort (1 restaurant – 572 seats and 16 building clusters (<i>i.e.</i> G + 2) with 200 rooms)</p> | <p>Survey nos. 16 & 7 of Moitem village in Bardez taluka of North Goa district.</p> | <p>Total plot area – 45,853 sq. mt. Area for road-widening – 1,629.64. sq.mts. Effective plot area – 44,223.36 sq. mts. Permissible F.A.R. (50%) – 23,741.32 sq.mts. Proposed built-up area – 29,059.10 sq.mts. Open space required – 6,877.80 sq.mts.</p> | <ol style="list-style-type: none"> The ‘Sanad’ dated 18th April 2008 specifies the land utilization for RESIDENTIAL purpose. May please clarify. NOC from Forest Department for |

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| <p>r/o H. No. 79, Nagwado, Betalbatim, Salcete, Goa – 403 713</p> <p>Ph. 0832-2880756 / 9822101871 e-mail – svbalram@ovi.com</p> <p><u>Environmental Consultant</u> M/s Aditya Environmental Services Pvt. Ltd., Ms. Poonam More - 9422739540</p> | <p>Category 8(a) – B Construction projects</p> | | <p>Open space proposed – 9,546.80 sq.mts.</p> <p>Ground coverage – sq.mts. ??? Greenbelt development – sq.mts. ??? (% of effective plot area)</p> <p>Parking proposed – 100 ECS</p> <p>Geo-technical soil investigation has been prepared through 04 bore hole drillings upto the depth of 6 mts. Accordingly, isolated footing / foundations (as per IS 1904-1986) at a depth of 1.2 mts. from ground level is proposed with allowable bearing pressure of 20t/m².</p> <p>As the plot / land is a sloppy area, embankment wall of 525 mts. is proposed.</p> <p>Water requirement –</p> <ol style="list-style-type: none"> During Construction phase – 20 cmd (2 cmd for domestic purpose and 18 cmd for construction activity) to be sourced from private tankers as well as proposed open well. During operational phase – 105 cmd (i.e. 27 cmd for domestic use to be sourced from PWD + open well and 78 cmd (i.e. for flushing, gardening and cooling) to be sourced from STP-recycled). As such. Dual plumbing system is proposed. <p>Wastewater generated – 83 cmd to be treated in Sewage Treatment Plant (85 cmd / 95 cmd capacity STP??? – pl. check : Annexure-IV and item 2.13 in Form-1A) with Moving Bed Bio-Reactor (MBBR) technology upto tertiary level which will generate 78 cmd of treated water. Out of this, 47 cmd for landscaping, 13 cmd for cooling purposes and 13 cmd for flushing</p> <p>However, <u>modus-operandi for treatment / disposal method for 10 kg./day of sludge may be specified.</u></p> <p>Solid waste generated -</p> <ol style="list-style-type: none"> Debris of about 1 – 2 MT/day (construction phase) – to be used for land-filling within the plot. 175 kgs./day (operational phase) – proposed to be | <p>cutting of 16 trees out of 187 trees may be submitted.</p> <ol style="list-style-type: none"> Site-specific bore holes location map superimposed on a contour map may be submitted. In addition, location of the proposed open well may be indicated on the map. What is a maximum elevation difference within the proposed plot area? PP may specify proposed plan of action towards RWH initiatives with technical specifications / diagrammatic sketch, if any. <p style="text-align: center;">SITE INSPECTED ON 24TH JANUARY 2013</p> |
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| | | | | <p>segregated at source into wet and dry garbage. Wet waste to be composted on-site.</p> <p>Power requirement. –</p> <p>a. Construction phase – 125 KVA.</p> <p>b. Operation phase – 2.5 HP. In addition, back-up power through 02 DG sets of 750 KVA capacity each, totaling to 1,500 KVA.</p> <p>EMP has been prepared.</p> | |
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3. 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 Sapna Ceramics Pvt. Ltd., ‘Nanu House’, Varde – Valaulikar Road, P.O. Box No. 125, Margao, Goa – 403 601 Ph. 2737917 / 18 2715553 / 2715565 e-mail – nanuho@nanuindia.com website – www.nanuindia.com</p> <p>Mr. Sandesh. K. Naik, Director.</p> <p>Mr. Govind Gajanan Prabhu, 9011070254</p> <p>M/s Sadekar Enviro Engineers Pvt. Ltd., Panaji</p> | <p>Renewal of following three Basalt stone quarries namely -</p> <p>1. Lease no. 10/basalt/93 – 10,000 sq.mts. (valid upto 22nd June 2013)</p> <p>2. Lease no. 03/Basalt/94 – 29,225 sq.mts. (valid upto 22nd June 2014)</p> <p>3. Lease no. 2/Basalt/98 – 22,000 sq.mts. (valid upto 18th February 2013)</p> <p>In addition, One New Lease covering total area of 50,000 sq.mts.</p> <p>While, another old lease no. 01/Basalt/07 – 19,000 sq.mts. which was valid upto 13th February 2012 has been closed and surrendered to the DMG.)</p> <p>Category 1(a) – B</p> <p style="text-align: center;">17th December 2012</p> | <p>Survey No. 29/1, of village Conquerim in Sattari taluka of North Goa district.</p> | <p>Total lease area (Old) cover leases in (1), (2) and (3) – 61, 225 sq.mts.</p> <p>Proposed lease area for a new lease – 50,000 sq.mts. with total capacity – 1,250 tons per day</p> | <p>PP is requested to comply with all the project-specific clarifications sought during the meeting.</p> <p style="text-align: center;">SITE INSPECTED ON 24TH JANUARY 2013</p> |

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| 2 | <p>Mr. Vinayak Vasudev Chodankar, Sai Complex, Tisk, Sanvordem, Goa – 403 706</p> <p>Ph. 988121866 (m) – Mr. Shirish Dessai e-mail – suyogenterprisesin@yahoo.com</p> <p>M/s Sadekar Enviro Engineers Pvt. Ltd., Panaji</p> | <p>Basalt stone quarry –</p> <p>1. Lease no. 01/Basalt/97 vide order no. 56/1258/95-Mines/2263 dated 11th October 1996 (Lease validity upto January 2007)</p> <p>Category 1(a) – B</p> <p>18th December 2012</p> | <p>Survey No, 63/1 of village Santona in Sanguem taluka of South Goa district.</p> | <p>Total lease area – 10,000 sq.mts. Capacity – 50 m³ per day</p> | <p>SITE INSPECTED ON 25TH JANUARY 2013</p> |
| 3 | <p>M/s Bomba Laterite Stones, Midas Touch, Off. No. 1 & 2, Ground Floor, Old Market, Margao, Goa.</p> <p>Ph. 2734673 / 2734693 Site - 2978652</p> <p>Mr. Afiano Fernandes Afiano1950@yahoo.com 9822152069</p> | <p>Laterite stone quarry (including murrum / laterite rubble) – (03 leases)</p> <p>1. 02/Laterite/88 – 2.6424 ha. (valid upto February 2013)</p> <p>2. 03/Laterite/03 – 2.35 ha. (valid upto May 2013)</p> <p>3. 06/Laterite/07 – 2.9886 ha. (lease expired in July 2012)</p> <p>Water / Air Consent – valid upto – June 2013</p> <p>(RENEWAL) Category 1(a) – B</p> <p>21st December 2012</p> | <p>Survey Nos. 58/0 (2.8650 ha.), 52/1&2 (4.26 ha.) and 56/0 (3.2275 ha.) in Loutolim village in Salcete taluka of South Goa district.</p> | <p>a. Total lease area – 79,810 sq.mts.</p> <p>b. For lease referred to at (1)</p> <p>1. Production capacity per month – 460 m³ of Laterite stones per month.</p> <p>2. Proposed total excavation in 05 years – 18,380 m³.</p> <p><u>(b and c does not tally---may pl. verify)</u></p> <p>c. For lease referred to at (2) and (3)</p> <p>1. Production capacity per month – 460 m³ of (Murrum and laterite stones) per month.</p> <p>2. Proposed total excavation in 05 years – 18,380 m³ (i.e. 2,320 m³ of murrum soil and 16,060 m³ of laterite stones)</p> <p><u>(b and c does not tally---may pl. verify)</u></p> | <p>SITE INSPECTED ON 25TH JANUARY 2013</p> |

4. Any other matter with the permission of the Chair