

## Agenda Items for the tenth Goa-SEAC meeting held on 11<sup>th</sup> December 2012 at 10.00 a.m. in the GSPCB

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

1	<p>Applicability of EIA Notification, 2006 for the projects related to <b>proposed construction of Beach Resort / Hotel in Survey No. 221/1-B of Mandrem village of Pernem taluka by M/s Asvem Beach Resort and Villas Pvt. Ltd.,</b></p> <p style="text-align: center;"><b>GCZMA / N / 12-13 / 44 / 919 dated 25<sup>th</sup> October 2012</b></p> <p style="text-align: center;">(received on 29<sup>th</sup> October 2012)</p> <p style="text-align: center;">C/o constituted Attorney – Anil Mishra, House No. 129/1, Naroji Waddo, Morjim Beach Road, Morjim, Pernem, Goa.</p> <p style="text-align: center;">Regd. Address – Mr. Anil Mishra, r/o RZ-232, F-52 block, Raj Nagar-II, Palam Colony, New Delhi Mobile - 09765853152 (NEW)</p>	<p>As per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4<sup>th</sup> April 2011), such activity does not come under the purview of the said EIA Notification, 2006. However, it is required to obtain NOC from the GCZMA as per the CRZ Notification, 2011.</p> <p style="text-align: center;"><b>GCZMA has submitted ONLY ONE HARD copy of the project proposal</b></p> <p>It is informed that total plot area is 12,000 sq. mts. (i.e. 2,171.00 sq.mts. within 200 mts. from HTL and remaining between 200 – 500 mts.) and <b><u>total proposed built-up area is 2,444.30 sq. mts.</u></b></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 said Notification as the proposed total built-up area is less than 20,000 sq. mts.</u></p> <p style="text-align: center;"><b>EMP carried out by M/s Aditya Environmental Services, Mumbai</b></p>
2	<p>Applicability of EIA Notification, 2006 for the projects related to <b>proposed construction of Beach Resort / Hotel in Survey No. 98/1 of Betalbatim village in Salcete taluka by M/s Best Location Properties Pvt. Ltd.,</b></p> <p style="text-align: center;"><b>GCZMA / S / 12-13 / 41 / 919 dated 25<sup>th</sup> October 2012</b></p> <p style="text-align: center;">(received on 29<sup>th</sup> October 2012)</p> <p style="text-align: center;">C/o Beleza by the Beach Resort, Thondvaddo, Betalbatim, Salcete, Goa.</p> <p style="text-align: center;">Mr. Roque Virgilio Mascarenhas – 9850453132 Regd. Address : F-40, NDSE Part-I, New Delhi – 110 049 (EXPANSION)</p>	<p>As per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4<sup>th</sup> April 2011), such activity does not come under the purview of the said EIA Notification, 2006. However, it is required to obtain NOC from the GCZMA as per the CRZ Notification, 2011.</p> <p style="text-align: center;"><b>GCZMA has submitted ONLY ONE HARD copy of the project proposal</b></p> <p>It is informed that total available open plot area is 14,775 sq. mts. (excluding the adjoining plot of 8,275 sq.mts. housing old hotel – M/s Beleza By the Beach Resort) with total built-up area of 3,156.60 sq. mts. for the proposed expansion.</p> <p>Further, it is informed that construction activity exceeding 20,000 sq.mts. of total built-up area comes under the purview of the EIA Notification, 2006. As such, GCZMA may like to ascertain comprehensive built-up area (i.e. total built-up area consumed by the existing hotel + proposed expansion) so as to consider / appraise the applicability of the said Notification for the aforesaid project in totality.</p> <p style="text-align: center;"><b>Rapid EIA / EMP carried out by M/s Sadekar Envirocare Pvt. Ltd., Panaji</b></p>

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

A. PROPOSED CONSTRUCTION OF RESIDENTIAL COMPLEX IN SANCOALE VILLAGE BY M/s TRINITAS DEVELOPERS INDIA PVT. LTD., PUNE

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 Trinitas Developers Pvt. Ltd., Level-VIII, Muttha Chambers, - II, Senapati Bapat Marg, Pune – 411 016</p> <p>Ph. 020 - 40050000 Fax. – 020 - 40050011 e-mail –</p> <p>Mr. Samir Muttha, Director</p>	<p>Proposed Residential project</p> <p>Total no. of flats – 160 <b><u>(May please categorize into 1/2/3-BHK)</u></b></p> <p>Category 8 (a) – B Construction projects</p>	<p>Survey no. 117/1-A of Sancoale village of Mormugao taluka in South Goa district.</p>	<p>Total plot area – 8,000 sq. mt. Deduction for road widening – 213 sq.mts. Effective plot area – 7,787 sq. mts. Open space proposed – 1,170 sq. mts. Proposed built-up area – 29,358 sq.mts.</p> <p>Total proposed covered area – 3,071.14 sq. mts. (max. 40%)</p> <p><b><u>What is the proposed green-belt development</u></b></p> <p>Permissible FAR – 200 % Floor area permissible – 16,000 sq.mts.</p> <p>Expected total occupancy – 720 persons Parking proposed – 188 ECS</p> <p>Geo-technical soil investigation has been proposed. <b><u>As such, may like to submit the copy of the report.</u></b> carried out to understand the foundation characteristics through M/s Safe Cores and Tests, Mumbai in June 2006 – by analyzing four (04) bore holes ranging in depth from 24 – 28 mts. Groundwater has been uniformly encountered at a depth of 1.5 mts. Chemical analysis of water indicate that it is aggressive to ‘concrete’ and corrosive to ‘reinforcement steel’.</p> <p>Water requirement –</p> <p>a. During Construction phase – 20 m<sup>3</sup>/day. (i.e. 18 m<sup>3</sup>/d for construction and 2 m<sup>3</sup>/d for domestic usage): to be sourced from private tankers / PWD.</p> <p>b. During operational phase – 109.65 m<sup>3</sup>/d (i.e. 66.6 m<sup>3</sup>/d-PWD and 43.05 m<sup>3</sup>/d-recycled water)</p> <p>Wastewater generated – 84.24 m<sup>3</sup>/d to be treated in 92.66 cmd Sewage Treatment Plant (STP) with Moving Bed Bio-Reactor (MBBR) technology.</p>	<p>1. It is understood that the proposed project is in conformity with the land use of the area (i.e. C-1 zone) as per outline developmental plan (ODP) of Mormugao Planning and Development Authority (MPDA), Vasco-da-Gama.</p> <p>2. PP may furnish details pertaining to RWH initiatives with technical specifications / diagrammatic sketch proposed to be adapted.</p>

				<p>However, <b><u>modus-operandi for treatment / disposal method for generation of 10kgs./day of sludge may be specified.</u></b> It is proposed that recycled water will be used for flushing, car washing / gardening.</p> <p>Solid waste generated -</p> <ol style="list-style-type: none"> <li>1-2 MT/day (construction phase) – to be used for land-filling within the plot.</li> <li>306 kgs./day (operational phase) biodegradable waste to be treated through in-house mechanical composting using Organic Waste Converter (OWC). <b>While, non-biodegradable waste to be disposed through private contractors for <u>resale or recycle (??) : Please clarify.</u></b></li> </ol> <p>Power requirement. –</p> <ol style="list-style-type: none"> <li>Construction phase – 20 HP Diesel generator.</li> <li>Operation phase – 2,673.72 KVA, to be sourced from Goa State Electricity Board.</li> </ol> <p>Back-up power through 02 DG sets of 160 KVA capacity each. (@ 65% load factor)</p> <p>Energy consumption assumed – 6.73 W per sq.ft. of built-up area.</p> <p>EMP has been prepared.</p>	
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**B. PROPOSED CONSTRUCTION OF RESIDENTIAL COMPLEX IN BAMBOLIM (S. NO. 93/2) BY MR. PASCOAL TRINDADE**

<b>Sr. No.</b>	<b>Project Proponent (PP) / Applicant</b>	<b>Proposed Activity</b>	<b>Site-specific location details</b>	<b>Project details / specification / salient features</b>	<b>Comments of the Goa-SEAC members / Current Status</b>
2	<p>Mr. Pascoal Trindade, Palbrica Mansion, Near White House, Donapaula, Goa</p> <p>e-mail – <a href="mailto:pascoaltrindade@rediffmail.com">pascoaltrindade@rediffmail.com</a> <a href="mailto:paramount.buildwell@rediffmail.com">paramount.buildwell@rediffmail.com</a></p> <p>Tel no. 0832-2453369 / 70</p>	<p>Proposed Residential project</p> <p>111 units (G + 4) including 72 flats</p> <p><b><u>(may please categorize into 1/2/3-BHK), 39 villas.</u></b></p>	<p>Survey no. 93/2 of Bambolim village in Tiswadi taluka of North Goa district.</p>	<p>Total plot area – 35,600 sq. mt. Area under No Development Zone – 600 sq.mts. Area under road widening – 120 sq.mts. Effective plot area – 34,880 sq. mts. Open space proposed – 5,245 sq. mts. Proposed covered area – 9,219.32 sq.mts. Proposed built-up area – 26,313.69 sq.mts. Proposed area for green-belt – 10,000 sq.mts.</p>	<p>1. Project Proponent has proposed one bore-well within the plot. As such, may like to submit location-specific hydro-geological status of the area vis-à-vis modus operandi to recharge the same (<i>i.e. rainwater harvesting initiatives</i>).</p>

Fax no. 0832-2451504	Category 8 (a) – B Construction projects		<p>Expected total occupancy – 850 persons Parking proposed – 217 ECS</p> <p>Geo-technical soil investigation has been proposed. <b><u>As such, may like to submit the copy of the report.</u></b></p> <p>Water requirement –</p> <ol style="list-style-type: none"> <li>During Construction phase – 55 m<sup>3</sup>/day to be sourced from private tankers.</li> <li>During operational phase – 125 m<sup>3</sup>/d (i.e. 75 m<sup>3</sup>/d-PWD and 50 m<sup>3</sup>/d-recycled water from STP)</li> <li>One time water demand for firefighting – 200 m<sup>3</sup>.</li> </ol> <p>PP has proposed to construct underground water storage tanks (50 m<sup>3</sup> capacity for every building.</p> <p>Wastewater generated – 100 m<sup>3</sup>/d to be treated in 120 CMD Sewage Treatment Plant (STP) with Moving Bed Bio-Reactor (MBBR) technology. 80 kgs./month of sludge generated is to be used as manure. It is proposed that recycled water will be used for flushing, car washing / gardening.</p> <p>Solid waste generated -</p> <ol style="list-style-type: none"> <li>50 kgs./day of domestic waste to be disposed-off through local authorities and 200 kgs./day of debris generated during construction phase to be used for land-filling within the plot. Hazardous waste generated (i.e. used iol from D.G. sets (20 kgs./m during construction and 10 kgs./m during operation) will be suitably disposed-off.</li> <li>425 kgs./day (operational phase) biodegradable waste (255 kgs./d) to be treated through in-house mechanical composting. While, non-biodegradable waste (170 kgs./d) to be disposed through authorized recycler.</li> </ol> <p>Power requirement. –</p> <ol style="list-style-type: none"> <li>Construction phase – 100 KVA to be sourced from GSEB / Diesel generator.</li> <li>Operation phase – 800 KVA, to be sourced from Goa</li> </ol>	2. PP may like to provide a Google map of the proposed site along with surrounding land use / land cover status within 5 kms. radius.
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				State Electricity Board. Back-up power through 01 DG sets of 65 KVA capacity. EMP has been prepared.	
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**C. PROPOSED CONSTRUCTION OF RESIDENTIAL COMPLEX IN BAMBOLIM (S. NO. 93/4) BY MR. PASCOAL TRINDADE**

<b>Sr. No.</b>	<b>Project Proponent (PP) / Applicant</b>	<b>Proposed Activity</b>	<b>Site-specific location details</b>	<b>Project details / specification / salient features</b>	<b>Comments of the Goa-SEAC members / Current Status</b>
<b>3</b>	Mr. Pascoal Trindade, Palbrica Mansion, Near White House, Donapaula, Goa  e-mail – <a href="mailto:pascoaltrindade@rediffmail.com">pascoaltrindade@rediffmail.com</a> <a href="mailto:paramount.buildwell@rediffmail.com">paramount.buildwell@rediffmail.com</a>  Tel no. 0832-2453369 / 70 Fax no. 0832-2451504	Proposed Residential project  (Stilt + 4)  103 flats (3-BHK – 31, 2-BHK – 72)  Category 8 (a) – B Construction projects	Survey no. 93/4 of Bambolim village (Curca village Panchayat) in Tiswadi taluka of North Goa district.	Total plot area – 35,075 sq. mt. Open space (including garden / playground) proposed – 26,961.46 sq. mts. Total proposed built-up area – 25,918.85 sq.mts. Proposed area for green-belt – 9,000 sq.mts.  Expected total occupancy – 783 persons Parking proposed – 197 / 217 ECS. <b><u>May please clarify</u></b>  Geo-technical soil investigation has been proposed. <b><u>As such, may like to submit the copy of the report.</u></b>  Water requirement – a. During Construction phase – 50 m <sup>3</sup> /day to be sourced from private tankers.  b. During operational phase – 120 m <sup>3</sup> /d (i.e. 75 m <sup>3</sup> /d-PWD and 45 m <sup>3</sup> /d-recycled water from STP).  c. One time water demand for firefighting – 100m <sup>3</sup> .  d. One time water demand for swimming pool – 100m <sup>3</sup> .  PP has proposed to construct underground water storage tanks of 50 m <sup>3</sup> capacity. <b><u>May please clarify how many such tanks are proposed with their respective locations on a map.</u></b>  Wastewater generated – 95m <sup>3</sup> /d to be treated in 100CMD Sewage Treatment Plant (STP) with Moving Bed Bio-Reactor (MBBR) technology. 80 kgs./month of sludge generated is to be used as manure. It is proposed that recycled water (about 85 CMD) will	1. It is informed that proposed site is categorized as settlement zone by TCP, Goa.  2. Project Proponent has may like to submit location-specific hydro-geological status of the area vis-à-vis modus operandi for rainwater harvesting initiatives.  3. PP may like to provide a Google map of the proposed site along with surrounding land use / land cover status within 5 kms. radius.

				<p>be used for toilet flushing (45 CMD) through dual plumbing system and irrigation in garden – 40 CMD (i.e. green-area maintenance)</p> <p>Solid waste generated -</p> <p>a. 50 kgs./day of domestic waste to be disposed-off through local authorities and kgs./day of debris generated during construction phase to be used for land-filling within the plot.</p> <p>Hazardous waste generated (i.e. used oil from D.G. sets (20 kgs./m during construction and 10 kgs./m during operation) will be suitably disposed-off.</p> <p>b. 400 kgs./day (operational phase) biodegradable waste (240 kgs./d) to be treated through in-house mechanical composting. While, non-biodegradable waste (160 kgs./d) to be disposed through authorized recycler.</p> <p>Power requirement. –</p> <p>a. Construction phase – 100 KVA to be sourced from GSEB / Diesel generator.</p> <p>b. Operation phase – 800 KVA, to be sourced from Goa State Electricity Board.</p> <p>Back-up power through 01 DG set of 65 KVA capacity.</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 17<sup>th</sup> 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	M/s. Joao Lourenco Baptista Basalt Boulders / Stone Quarry  Mr. J. L. Baptista, H. No. 105/D-3, Behind old RTO office, Arlem, Raia, Salcete, Goa	Basalt stone quarry - (a) No.1/Basalt/04 (b) No. 4/Basalt/04  (RENEWAL)	Survey No. 52/0 of Ugeum village in Sanguem taluka of South Goa district  <b>How many Basalt-</b>	Total plot area (02 leases) – (a) 7.150 sq.mts. + (b) 5,080 sq.mts. = 12,230 sq.mts.  Proposed capacity 50 m <sup>3</sup> per month	1. Are these two leases contiguous with a common boundary or independent of each other?  2. Both the leases have Consent to Operate issued by the Board and valid upto 31 <sup>st</sup> December 2014.  3. Ambient Air Quality Monitoring (AAQM)

<p>- 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 – <a href="mailto:psadekar@yahoo.com">psadekar@yahoo.com</a> <a href="mailto:sadekarenviro@rediffmail.com">sadekarenviro@rediffmail.com</a></p>	<p>Lease nos. – (a) Quarry 56/1495/97- Mines/3483 (b) Quarry 34/430/07- Mines/3485 <b>(Validity upto November 2012)</b></p> <p>Category 1(a) – B</p> <p><b>What about –</b></p> <ol style="list-style-type: none"> <li><b>M/s Danra Metals – Basalt stone quarry</b> (10/Basalt/10-11 - lease validity upto 13<sup>th</sup> May 2013).</li> <li><b>M/s Satyappa Gidappa Dhangalkar – Stone quarry</b> (06/Basalt/10-11 - lease valid upto 12<sup>th</sup> April 2015)</li> <li><b>M/s Maruksha Stone Industry – Stone quarry</b></li> <li><b>M/s Bharat Farm – Stone quarry</b></li> <li><b>M/s Minguelino D’Costa, C/o Deodita Stone Crushers -</b> (06/Basalt/06 – lease validity expired in November 2011)</li> </ol>	<p><b>stone quarries in this survey no.?</b></p> <p><b>What is the outcome of ‘Order’ issued in the matter of PIL Writ Petition No. 10/2012 on 14<sup>th</sup> June 2012</b></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>Water requirement – 100 M<sup>3</sup> 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 60<sup>0</sup>) 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>	<p>Reports conducted by MoEF recognized laboratory during last year (three times a year), at the nearest residential, area may be submitted.</p> <ol style="list-style-type: none"> <li>PP may like to submit measures proposed to be adapted for dust suppression / noise pollution.</li> <li>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.</li> <li>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.</li> <li>PP may like to specify the optimum buffer zone maintained from the outermost lease boundary to the nearest excavation within the plot.</li> <li>PP may indicate the maximum depth upto which it is proposing the road metal extraction?</li> </ol>	
<p><b>2</b></p>	<p><b>M/s Maria Yvonne Baptista</b></p> <p>Laterite Stone/boulder Quarry</p> <p>Mrs. Maria Yvonne Baptista, H. No. 105/D-3, Behind old RTO office, Arlem, Raia, Salcete, Goa – 403 720</p>	<p>Laterite stone quarry - No.13/Lat. Boulder/200</p> <p><b>(RENEWAL)</b></p> <p>Lease no. – 56/1564/99- Mines/485</p>	<p>Survey No. 123/1 of Lotulim village in Salcete taluka of South Goa district</p>	<p>Total plot area = 35,575 sq.mts.</p> <p>Proposed capacity 200 m<sup>3</sup> per month</p> <p>Water requirement – 100 M<sup>3</sup> per day</p> <p>The site is lateritic plateau-top area with negligible soil cover. It is proposed to undertake vertical excavation at 1:10 ratio (6 mts. drop at an angle of</p>	<ol style="list-style-type: none"> <li>The existing lease has expired in December 2010. As such, may like to state the status of operation since then.</li> <li>The lease does not mention about the capacity of the total excavation / production. As such, may please submit the past records of laterite extraction from 2005 – 2010.</li> </ol>

<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 – <a href="mailto:psadekar@yahoo.com">psadekar@yahoo.com</a> <a href="mailto:sadekarenviro@rediffmail.com">sadekarenviro@rediffmail.com</a></p>	<p>Category 1(a) - B</p>		<p>60<sup>0</sup>) with bench of 3 mts. No blasting involved.</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"> <li>3. PP may like to submit measures proposed to be adapted for dust suppression / noise pollution, as applicable.</li> <li>4. It is also required to maintain Material Safety Data Sheets for all raw material / engine oils used.</li> <li>5. PP may like to specify the optimum buffer zone maintained from the outermost lease boundary to the nearest excavation within the plot – <b><u>is it uniform 5 mts.</u></b></li> <li>6. PP may clarify the nearest distance to the (a) settlement zone / village, (b) other minor mineral quarry or Fe/Mn-ore mine, (c) permanent water source / reservoir / canal, (d) wildlife area. / protected area, if any.</li> <li>7. PP may indicate the maximum depth upto which it is proposing for laterite extraction? Also may like to submit the hydro-geological status of the region as mentioned in the EAR?</li> </ol>
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4. Any other matter with the permission of the Chair