

**Minutes of the 12th Goa State Expert Appraisal Committee
(Goa-SEAC) meeting held on 30th 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 twelfth meeting of the Goa-SEAC was held on 30th 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. Proposal by **Goa Industrial Development Corporation (Goa-IDC)** seeking Renewal / Extension of the prior Environmental Clearance (EC) for establishment of Common Hazardous Wastes Treatment, Storage and Disposal Facility (CHWTSDF) in a land admeasuring 1,10,390 sq.mts. in Survey No. 193/1 of Dharbandora village in Sanguem taluka of South Goa district.

Brief Introduction and Background –

- a. The Ministry of Environment and Forests (MoEF), Govt. of India, New Delhi has accorded prior EC for the proposed establishment of the CHWTSDF vide letter No. 10-32/07-IA-III dated 19th February 2008 as mandated in the Environment Impact Assessment (EIA) Notification, 2006.
- b. As per clause (9) of the said Notification, the validity of the said prior EC expires on 18th February 2013 (*i.e. for a period of five years from the date of its issuance*). Further, the said clause specifies that the period of the validity may be extended by the regulatory authority concerned by a maximum period of five years provided an application is made to the regulatory authority by the applicant within the validity period.

The **Committee agreed for renewal / extension of the prior EC** with a request to submit site-specific plan of action / modus-operandi proposed to be adapted by the operator concerned dealing with collection, transportation, on-site analysis, storage and final disposal of landfilliable category of the hazardous wastes generated by industries in Goa from their respective locations.

2. Following one (01) developmental proposal (*refer I-A in Annexure-2*) was discussed after their project presentations by project proponents / environmental consultants concerned.

Proposed construction / expansion of residential development in Survey no. 103/1, 103/2 and 104/1 of Bambolim village in Tiswadi taluka of North Goa district by **M/s Prive Realty Pvt. Ltd., Mumbai.**

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

1. Proposed developmental activity is a ‘New’ or ‘Expansion’ of the existing project, if any.
2. NOC from the Town and Country Planning (TCP) Department of proposed hill-cutting for road construction in survey no. 104/1.
3. Change in Name from M/s Premium Stock Invests Pvt. Ltd., to M/s Prive Realty Pvt. Ltd.,
4. Geo-technical study to understand the soil characteristics as well as hydro-geological status of the area to envisage site-specific location of bore-well, if proposed, in future.
5. Rainwater harvesting initiatives and/or water conservations measures (i.e. proposed underground storage) with relevant technical details along with site-specific plans/drawings.
6. Monitoring mechanism of groundwater (*i.e. bore well / open well*) existing within around periphery of the proposed site, if any, to understand water quality and decipher possible impacts, if any.
7. 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.

Based on the site-inspection conducted subsequently on 14th February 2013 vis-a-vis compliance to observations submitted by the Project Proponent (PP), the **Committee has decided to recommend the project for issuance of prior EC.**

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), (2) and (3) in *Annexure-2*.

A. Mr. Manuel Da Costa - The Project Proponent (PP) has proposed to renew following two (02) existing “Basalt stone” quarry leases located in survey nos. 77/1 (Part) and 72/1 (Part) of Santona village of Sanguem taluka of South Goa district, namely

- (i) Lease No. 05/Basalt/89 (5 ha.) - valid upto July 2014
- (ii) Lease No. 04/Basalt/89 (4.9 ha.) -valid upto July 2014

B. M/s Halarnkar Industries – The PP has proposed to renew following one (01) non-operational “Basalt stone” quarry lease (*bearing lease no. 09/Basalt/90*) located in survey no. 272 (P) of Casarvarnem village in Pernem taluka of North Goa district.

Subsequently, based on the project presentation during the meeting as well as well on-site clarification during the inspection conducted of site referred to in (A) above on 8th February, 2013 the **Committee decided to recommend the said proposal (A)** 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 above do not fall within the Ecologically Sensitive Zone (ESZ-1) as defined in the Western Ghats Ecology Expert Panel (WGEEP) report.

With reference to a proposal referred to at (B) above and subsequent to its presentation during the meeting followed by site-inspection conducted on 14th February 2013, the proponent has been requested to submit following details pertaining to –

- 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 from village road to enable transportation from site to desired destination.
- 3. Proposed plan of action / modus operandi for extraction of stones within the available boundary limits of the proposed lease extent so as to comply with the provisions of the Mines and Safety Rules / Guidelines, as applicable.
- 4. It was observed that proposed lease area cut-across the natural seasonal stream at its upstream boundary thereby bifurcating the lease area and disturbing the natural flow of water to its downstream, especially during monsoon. Accordingly, the

proponent has proposed to diver the water channel along the lease boundary. A such, proponent may like to clarify probable environmental concerns arising due to such a diversion of natural flow across the stream against the gradient, if any.

prior to consider the said proposal any further. Accordingly, the **said proposal (B) is deferred subject to compliance to (1) to (4) above.**

The meeting ended with vote of thanks to the Chair.

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: 15th February 2013

ANNEXURE – 1

List of members who attended the twelfth 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. Mrs. Savita S. Kerkar, Taleigao | - | <i>Member</i> |
| 4. Mr. Antonio Jaimes Afonso, St. Istevam | - | <i>Member</i> |
| 5. Dr. Mohan R. Girap, Panaji | - | <i>Secretary</i> |

ANNEXURE – 2

Agenda Items for the Twelfth Goa-SEAC meeting held on 30th January 2013

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

A. PROPOSED EXPANSION OF RESIDENTIAL DEVELOPMENT IN SURVEY NO. 103/1, 103/2 AND 104/1 OF BAMBOLIM VILLAGE IN TISWADI TALUKA OF NORTH GOA DISTRICT BY M/S PRIVE REALTY PVT. LTD., MUMBAI

Sr. No.	Project Proponent (PP) / Applicant	Proposed Activity	Site-specific location details	Project details / specification / salient features	Compliance to SEAC comments / Current status
1	<p>M/s Prive Realty Pvt. Ltd., 302, Aircondition Market, Tardeo, Mumbai</p> <p>Fax. 0832-4437787</p> <p>Mr. Rajan Bhavnani, 9820057615</p> <p>e-mail: rajan.bhavani@kamala.co.in crtravel@vsnl.com cr1holidays@yahoo.com</p> <p><u>Environmental Consultant</u> M/s Aditya Environmental Services, Mumbai.</p>	<p>Proposed construction of residential complex (Max. height – 11.5 mts. + stilt) including</p> <p>16 building blocks (2BKH flats – 128 nos.) 23 Villas of Type-1, 02 Villas of Type-2, 06 Shops and 01 Clubhouse</p> <p>Category 8 (a) – B Construction projects</p>	<p>Survey no. 103/1, 103/2 and 104/1 of Bambolim village in Tiswadi taluka of North Goa district. (category VP-1)</p> <p align="center">Site inspected on 14th February 2013</p>	<p>Total plot area –76,675 sq. mt. Area under Orchard-zone non-development – 29,675 sq.mts. Area under settlement zone (i.e. effective plot area) – 47,000 sq.mts. Open space required – 7,050 sq.mts. Open space provided – 7,090 sq.mts. Permissible covered area – 18,800 sq.mts. Approved covered area – 2,307 sq.mts. Total covered area – 15,687.61 sq.mts. Proposed FAR – 22,143.83 sq.mts. (as per RP-2021) Approved FAR – 6,040.95 sq.mts. Total F.A.R. – 28,184 sq.mts. Proposed Built-Up-Area – 33,837.2 sq.mts. Approved Built-Up-Area – 9,766.98 sq.mts. Proposed gross built-up area – 43,604.18 sq.mts.</p> <p>Expected total occupancy – 689 users @ 4.5 persons per flat Parking proposed – 196 ECS</p> <p>Geo-technical soil investigation has been proposed.</p> <p>Water requirement –</p> <p>a. During Construction phase – 20 CMD to be sourced from proposed open well.</p> <p>b. During operational phase – 142 CMD (i.e. 66 CMD from PWD and 76 CMD from STP-recycled)</p>	<p>a. The proposed construction appears to be extension / expansion / renewal proposal. Accordingly, the PP has submitted the justification after revised proposal informing that –</p> <p>1. Construction license from village panchayat was obtained earlier for FAR - 6,040.95 sq.mts. in survey nos. 103(1)/P & 103/2(P) which fall under settlement zone as per RP-2001.</p> <p>2. While survey no. 104(P) partly falls under settlement zone and partly falls under orchard zone.</p> <p>b. Permission for hill-cutting has been obtained from the TCP only for the purpose of construction of road in survey no. 104.</p> <p>c. Change in Name from M/s Premium Stock Invests Pvt. Ltd., to M/s Prive Realty Pvt. Ltd., has been executed on 25th September</p>

				<p>Wastewater generated – 81 CMD of wastewater to be treated in Sewage Treatment Plant of 85 CMD capacity having Moving Bed Bio-Reactor (MBBR) technology which will generate 76 CMD of treated water. Out of this, 31 CMD for flushing, 35 CMD for gardening, 5 CMD for car washings and 5 CMD for irrigation purposes. As such, dual plumbing system is proposed.</p> <p>10 kgs. 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"> a. 1-2 MT per day of construction debris to be used for land-filling within the plot. b. 295 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"> a. Construction phase – 2 HP b. Operation phase – 3,050 KW to be sourced from Goa State Electricity Board. In addition, back-up power through 02 DG sets of 160 KVA capacity each, totaling to 320 KVA. <p>Energy consumption assumed – 6.73 W per sq.ft. of Built-Up Area (BUA)</p> <p>EMP has been prepared.</p>	<p>2012 through the Ministry Corporate Affairs, Govt. of India.</p> <ol style="list-style-type: none"> d. Water requirement of 20 CMD 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 and proposed bore-well either through roof-top or watershed approach. Accordingly, PP may like to submit the proposed plan of action towards RWH. e. 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 water withdrawal limit. f. PP has proposed bore-well as such, may furnish its location-specific details superimposed on a contour map. g. PP should submit Geo-technical report for soil analysis proposed to be conducted.
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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>Mr. Manuel Da Costa, SO – 12A Block, Baboy Commerce Center, Margao, Goa. Ph. 2736397 / 2732434 Fax. 2731893 www.mdcgroup.in</p> <p>Mr. Suresh Kandolkar, 9822980608 manueldacosta@rediffmail.com</p>	<p>Basalt stone quarry – RENEW Lease No. 05/Basalt/89 (5 ha.) (valid upto July 2014)</p> <p>Water Consent – valid upto December 2014</p> <p>Air Consent valid upto – December 2014</p> <p>Category 1(a) – B</p> <p>21st December 2012</p>	<p>Survey No. 71/1 (Part) and 77/1 (Part) of Santona village of Sanguem taluka of South Goa district.</p> <p>Site inspected on 8th February 2013</p>	<p>Total lease area – 5 ha.</p> <p>Production capacity – 48,000 m³ per annum (i.e. 4,000 m³ per month)</p> <p>Total geological resource – 9,27,850 m³</p> <p>Total mineable resource – 2,64,350 m³</p>	<p>Rapid EIA / EMP has been prepared by M/s Joshi Upadhye and Associates.</p> <ol style="list-style-type: none"> 1. Quarrying Plan has been prepared and submitted to Directorate of Mines and Geology (DMG) for approval as per Goa Minor Minerals (Amendment) Rules, 2012. 2. May like to submit the Categorization / Zonation plan from TCP and/or Forest Dept., as applicable.
2	<p>Mr. Manuel Da Costa, SO – 12A Block, Baboy Commerce Center, Margao, Goa. Ph. 2736397 / 2732434 Fax. 2731893 www.mdcgroup.in</p> <p>Mr. Suresh Kandolkar, 9822980608 manueldacosta@rediffmail.com</p>	<p>Basalt stone quarry – RENEW Lease No. 04/Basalt/89 (4.9 ha.) (valid upto July 2014)</p> <p>Water Consent – valid upto December 2014</p> <p>Air Consent valid upto – December 2014</p> <p>Category 1(a) – B</p> <p>21st December 2012</p>	<p>Survey No. 71/1 (Part) of Santona village of Sanguem taluka of South Goa district.</p> <p>Site inspected on 8th February 2013</p>	<p>Total lease area – 4.9 ha.</p> <p>Production capacity – 48,000 m³ per annum (i.e. 4,000 m³ per month)</p> <p>Total geological resource – 13,567,800 m³</p> <p>Total mineable resource – 3,24,050 m³</p>	<p>Rapid EIA / EMP has been prepared by M/s Joshi Upadhye and Associates.</p> <ol style="list-style-type: none"> 1. Quarrying Plan has been prepared and submitted to Directorate of Mines and Geology (DMG) for approval as per Goa Minor Minerals (Amendment) Rules, 2012. 2. May like to submit the Categorization / Zonation plan from TCP and/or Forest Dept., as applicable.

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
3	<p>M/s Halarnkar Industries, Tivim Industrial Estate, Karaswada Industrial Estate, Bardez, Goa.</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 – RENEW Lease no. 09/Basalt/90 <i>(Lease validity has expired in 2012)</i></p> <p>Air consent is valid upto 26th February 2013</p> <p>Category 1(a) – B</p> <p>9th January 2013</p>	<p>Survey no. 272 (P) of Casarvarnem village in Pernem taluka of North Goa district.</p> <p>Site inspected on 14th February 2013</p>	<p>Total project area – 5,200 sq.mts. Total quantity – 60 m³ per day</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.

3. Proposal by **Goa Industrial Development Corporation (Goa-IDC)** seeking Renewal / Extension of the prior Environmental Clearance (EC) for establishment of Common Hazardous Wastes Treatment, Storage and Disposal Facility (CHWTSDF) in a land admeasuring 1,10,390 sq.mts. in Survey No. 193/1 of Dharbandora village in Sanguem taluka of South Goa district.

Brief Introduction and Background –

- c. The Ministry of Environment and Forests (MoEF), Govt. of India, New Delhi has accorded prior EC for the proposed establishment of the CHWTSDF vide letter No. 10-32/07-IA-III dated 19th February 2008 as mandated in the Environment Impact Assessment (EIA) Notification, 2006.
- d. As per clause (9) of the said Notification, the validity of the said prior EC expires on 18th February 2013 (*i.e. for a period of five years from the date of its issuance*). Further, the said clause specifies that the period of the validity may be extended by the regulatory authority concerned by a maximum period of five years provided an application is made to the regulatory authority by the applicant within the validity period.

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