

Minutes of the 4th Goa State Expert Appraisal Committee (Goa-SEAC) meeting held on 2nd August 2011 at 03.00 p.m. in the Conference Room of the Goa State Pollution Control Board (GSPCB), Patto, Panaji.

The forth meeting of the Goa-SEAC was held on 2nd August 2011 at the Conference room of the GSPCB under the Chairmanship of Dr. S. P. Fondekar, Chairman, Goa-SEAC. The list of members is annexed at “Annexure – 1”.

At the outset, Dr. S. P. Fondekar, Chairman (Goa-SEAC) welcomed the members. Subsequently, Dr. Mohan R. Girap, Secretary (Goa-SEAC) appraised the members about the purpose of the meeting and informed that the meeting has been convened to finalize the minutes of the third Goa-SEAC meeting held on 25th July 2011. Further, he clarified that two project proponents namely (a) M/s Model Real Estate Developers, Panaji and (b) M/s Sattva Builders Pvt. Ltd., B'lore will be requested to make the presentation before the Committee, subject to availability of time and only on approval of the Chairman & Members concerned.

Subsequently, matters pertaining to the project proposals vis-à-vis presentations made by the respective representatives of the Project Proponents (PP) concerned, during the last meeting (Third Goa-SEAC meeting) held on 25th July 2011, were taken up for discussions, deliberations and decision in the matter so as to forward suitable comments / recommendations / observations to the Goa-SEIAA for further needful. The project-wise observations are detailed below:-

- a. Reconsideration of a proposal submitted by **M/s Nitin Developers** for residential complex in Socorro village in Bardez taluka – Committee opined that PP, during the presentation made on 25th July 2011, has not complied with or clarified the observations of the Goa-SEAC with respect to the following three points, namely –
 1. Almost 40% of the total plot area has been developed and as a result, appreciable proportion of naturally grown vegetation has been lost along the moderate to steep sloping hill-slopes thereby disturbing the natural drainage, green cover.
 2. The proposed extension would further degrade the ecological set-up of the area as the proposed construction-activity would invariably require cutting of trees (loss of green cover) hill-slope cutting (slope instability and disturbance to natural drainage).
 3. There exists a nala along the northern boundary of the plot boundary which may get affected / flooded / silted / diverted during monsoon owing to large-scale storm-water movement / soil erosion.

In addition, the Committee felt that the PP has modified the proposed developmental activity as compared to its original proposal, which was not considered favourably to issue prior EC by the Goa-SEIAA, to the extent that construction of villas have been proposed.

Comments: The Committee, owing to the ambiguity in the project clarity, decided not to recommend the proposed activity for favour of according prior EC.

- b. Expansion of residential complex by **M/s Susheela Homes Pvt. Ltd.**, in Vaddo near Vasco-da-Gama. In response to the presentation made by the PP representative on 25th July 2011 vis-à-vis submission of project details as well as observations made during the site-inspection conducted by the Members on 4th June 2011, Secy., SEAC informed that the PP has not yet complied with the said observations, which were communicated via e-mail on 7th June 2011 (*copy enclosed as Annexure - 2*).

Comments: The Committee desired that the firm concerned i.e. M/s Susheela Homes Pvt. Ltd., may be requested / reminded (*through e-mail*) to comply with the aforesaid observations and decided to keep its comments reserved until receipt of suitable compliance.

- c. Setting up of pot-still distillation plant in Latambarcem village of Bicholim taluka in North Goa by **M/s Phoenix Alcobevez**, Bicholim - In response to the presentation made by the PP representative on 25th July 2011 vis-à-vis submission of project details as well as observations made by Members, the Committee decided to seek clarification on the following points –

1. To ascertain the nearest distance from the inter-state boundary and submit documentary proof in support of the same. As General Conditions annexed to the Schedule to the EIA Notification, 2006, which states – “Any project or activity specified in Category ‘B’ will be treated as Category ‘A’, if located in whole or in part within 10 km from the boundary of: (i) Protected Areas notified under the Wild Life (Protection) Act, 1972, (ii) (Critically Polluted areas as identified by the Central Pollution Control Board) from time to time, (iii) Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986, such as , Mahabaleshwar Panchgani, Matheran, Pachmarhi, Dahanu, Doon Valley, and **(iv) inter-State boundaries and international boundaries:**

Provided that the requirement regarding distance of 10 km of the inter- State boundaries can be reduced or completely done away with by an agreement between the respective States or U.Ts sharing the common boundary in case the activity does not fall within 10 kilometers of the areas mentioned at item (i), (ii) and (iii) above.).

2. To specify, in detail, the steps to be initiated to address Solid Waste Management (SWM) with special reference to the generation of sludge and its treatment methodology to be adopted, especially in monsoon season.
3. To provide sufficient buffer zone from the either banks of the Tillari canal, which passes through the plot area, to prevent any possibility of leaching into the canal water course. Accordingly submit the conceptual layout plan of the proposed developmental activity.

Comments: The Committee desired that the firm concerned i.e. Phoenix Alcobevez Pvt. Ltd., Bicholim may be requested (*through e-mail*) to comply with the aforesaid observations and decided to keep its comments reserved until receipt of suitable compliance.

- d. Residential and Commercial project by **M/s Akar Creations Pvt. Ltd.**, Margao in Vanelim village of Salcete taluka in South Goa. In response to the presentation made by the PP representative on 25th July 2011 vis-à-vis submission of project details, the Committee opined to undertake site-inspection at the earliest so as to suitably comment / recommend further course of action in the matter.

Comments: The Committee opined that comments / recommendations be reserved until the site inspection is carried out as well as compliance by the PP concerned to the observations likely to be made during the site-inspection.

Further, the Committee agreed to conduct the site inspection on 5th August 2011 (Friday) to ascertain the ground status of two (02) areas namely – (a) proposal submitted by M/s Akar Creations Pvt. Ltd., Margao for the proposed developmental activity in Vanelim village in Salcete taluka of South Goa district and (b) proposal submitted by M/s Sattva Builders Pvt. Ltd., B'lore for the proposed developmental activity in Sancoale village in Mormugao taluka of South Goa district.

The meeting ended with vote of thanks to the Chair.

Mr. S. M. Sawant

_____ Sd. / -

Mrs. A. A. B. Baretto

_____ Sd. / -

Mr. Antonio Jaime Afonso

_____ Sd. / -

Mr. Purnanand Savoikar

_____ Sd. / -

Dr. Savita S. Kerkar

_____ Sd. / -

Sd. / -

Dr. Mohan R. Girap
Secretary, Goa-SEAC

Sd. / -

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

Date: 10th August 2011
Place: Saligao, Panaji.

ANNEXURE – 1

List of members who attended the forth Goa-SEAC meeting

1. Dr. S. P. Fondekar, Ex-Dy. Director, NIO, D'paula. – **Chairman**
2. Mr. S. M. Sawant - *Member*
3. Prof. Antonio Jaime C. Afonso, St. Istevam. - *Member*
4. Mrs. A. A. B. Barreto, Ex-Head, Dept. of Food Technology, Govt. Polytechnic, Panaji.
- *Member*
5. Dr. Purnanand Savoikar - *Member*
6. Dr. Savita S. Kerkar - *Member*
7. Dr. Mohan R. Girap, Proj. Sci. (Geology), GSCST - *Secretary*

ANNEXURE – 2

E-mail copy sent to M/s Susheela Homes Pvt. Ltd., seeking compliance to observations made by the SEAC Members during the site-inspection conducted on 4th June 2011.

From, Secretary, Goa-SEAC goaseac@gmail.com
tosusheelahomes@gmail.com
nilesh@salkar.in
jmenvirostudies@hotmail.com
"Michael M. D'Souza" mmd_22@rediffmail.com
Srikant Pai Fondekar spfondekar@gmail.com

Date: Tue, Jun 7, 2011 at 4:29 PM

Subject: Response sent to earlier mail on points raised by Goa-SEAC members - reg.,
mailed-bygmail.com

Kind Attention: Mr. Nilesh Salkar / Mr. Sunil Dixit

With reference to the above subject matter and subsequent to the site-inspection carried out on 4th June 2011 by Goa-SEAC members in the presence of representatives from Project Proponent and Environment Consultant. And also in response to the DRAFT response to e-mail dated 30th May 2011, i would like to inform as under:

1. The issue pertaining to the Point No. 1 raised was discussed in detail and Mr. Nilesh Salkar has clarified the same ORALLY siting the adjustments made by the PP during the actual construction phase within the purview of the EC granted by the MoEF as well as local TCP guidelines. As such, the RESPONSE to the said comment be DETAILED OUT as clarified during the site inspection to bring in clarity in the issue discussed.

2. As per response to Point no. 2, it appears that PP intends to install BOTH - (a) Organic Waste Converter (OWC) as well as (b) Vermicomposting units within the proposed residential complex.

As such, it is requested to clarify the same in light of the fact that both these Waste Treatment Initiatives are totally different and Independent from each other, although END-PRODUCT is same i.e. conversion of biodegradable waste to manure. PP/Env. Consult. may like to clarify pl.

3. As per response to Point no. 4, annexures 5(A) and 5(B) have NOT BEEN ENCLOSED with the draft response. Further, it is to be clarified that all the water collected from roof-top is being diverted to the existing bore-wells. But, has all precautionary measures (i.e. filter beds / traps, etc.,)

been taken NOT TO DIRECTLY RECHARGE these bore wells. As it may contaminate or pollute the groundwater source. As such, PP may clarify on the issue pertaining to diversion of collected water for effective recharge of bore wells.

The response to the e-mail dated 30th May 2011 incorporating relevant details as per above observation may please be submitted (10 copies in Hard copies format) to this office to enable to consider the Proposal during the next Goa-SEAC meeting scheduled in the 3rd/4th week of June 2011.

Yours sincerely,
Dr.Mohan R. Girap
Secy., Goa-SEAC

ANNEXURE - 3

following project proposals

1. RESIDENTIAL BUILDING IN SANCOALE VILLAGE OF MORMUGAO TALUKA, SOUTH GOA DISTRICT

PropONENT (PP) / Applicant Environmental Consultant	Proposed Activity	Site-specific location details	Project details / specification / salient features
<p>Builders Pvt. Ltd., B'lore or, Salarpuria Windsor, ad, - 560 042</p> <p>Mishra, dent, 2690100 42699011 vgroup.in</p> <p>ental Consultant – Envi-Tech. Pvt. Ltd., H'bad.</p>	<p>Residential building</p> <p>‘Sattva Water’s Edge’</p> <p>Villas – 09 (G + 1 floor) with 9.6 mt. height</p> <p>1 BHK flats – 32 2 BHK flats – 36 3 BHK flats – 40 (Stilt + 4/5 floors) with 18 mt. height</p>	<p>Survey no. 199/2 of Sancoale village in Mormugao taluka, South Goa district</p>	<p>Total plot area – 19,125 sq. mt. Effective Plot area – 18,573 sq. mt. (595 sq. mt. for road widening) Total Built-up area – 24,700 sq. mt. Total green area proposed – 5,696 sq. mt. (30.74%) Total area covered by building – 4,909 sq. mt.</p> <p>Total soil to be excavated – 3,700 m³ (1200 m³ to be used for landscape development) Manpower required during construction phase – 150 max. Coast of the project – 30.96 crores Parking facility – 128 cars</p> <p>Total nos. of trees to be cute – 21 (relevant NOC obtained)</p> <p>Rainwater harvesting – (a) 12 recharge wells for effective groundwater recharge (b) Roof-top harvesting is proposed to be stored (about 207 m³) to be treated through Water Treatment Plant. Treated water shall be pumped to 09 overhead tanks of 12.6 m³ capacity as well as firefighting purpose.</p> <p>Water requirement – 25 KLD – during construction phase to be sourced through tankers. During operational phase 96 KLD - to be sourced from Municipal supply and recycled treated sewage.</p> <p>Sewage Treatment Plant - 90 KLD STP is proposed to be installed to generate 78 KLD of treated water to be utilized for flushing, gardening as well as floor / vehicle washing. It</p>

		<p>will also generate 4.5 kgs. /day of sludge to be used as manure for landscape area.</p> <p>Power requirement – Two D.G. sets (a) during construction – one of 50 KVA and (b) during operation – Normal supply of 1241 KVA and Max. demand of 931 KVA is to be sourced from Goa Electricity Dept. (GED). Further, one of 160 KVA and two of 220 KVA to be installed as a back-up facility.</p> <p>Solid waste generated (residential-cum-floating) – 285 kgs./day (173 kgs. of organic & 114 kgs. of inorganic garbage). Organic Waste Converter is proposed to be installed to convert wet waste into manure. While, inorganic waste is to be disposed through Municipal Authorities.</p> <p>Environment Management Plan (EMP) provides recurring cost of 6.60 lakhs per year.</p>
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2. RESIDENTIAL COMPLEX AT TALEIGAO, TISWADI TALUKA, NORTH GOA DISTRICT

Project Proponent (PP) / Applicant Environmental Consultant	Proposed Activity	Site-specific location details	Project details / specification / salient features
<p>Model Real Estate Private Limited, Joffrey Residency, College of Pharmacy, Taleigao - 403 001 Tel: 020-2688 / 2226251 Fax: 020-26884484 Email: models@modelsgoa.com Vaz, Sandeep Email: sandeep@modelsgoa.com Sandeep Kar EnviroTech., Pune Mr. Sandeep Joshi / Mr. Sadekar</p>	<p>Residential Complex 'Model's Status' (G + 8 – height of 24 mt. & G + 1 – height of 7.5 mt.)</p>	<p>Survey no. 213/2 of Taleigao village in Tiswadi taluka in North Goa District</p>	<p>Total plot area – 27,389 sq. mt. Total Built-up area – 33,752.08 sq. mt. Total nos. of flats - 270 Plinth area / Terrace area – 4,104.89 sq. mt. Total green area + open space proposed – 4,514.00 sq. mt. Physico-chemical analysis of soil as well as microbial characteristics has been also ascertained. Manpower required during construction phase – 125 max. Cost of the project – 42.39 crores Parking facility – 325 four wheelers & 50 two wheelers Rainwater harvesting involving (a) groundwater recharge as well as (b) roof-top harvesting to store the water has been proposed. Water requirement – 50 m³ /day during construction 130.1 m³/day during operation phase Sewage Treatment Plant – Out of 117.35 m³/day waste-water generated, about 93.52 of treated water from the STP is proposed to be utilized for gardening and green-area development. Power requirement – 100 KVA during construction phase 1500 KVA during operation phase to be sourced from</p>

		<p>Goa Electricity Dept. (GED). 01 no. of D. G. set of 100 KVA capacity is proposed as stand-by energy source.</p> <p>Solid waste generated – 500 kg. /day during construction phase and 108 kgs. /day during operation phase (i.e. 64.8 kg – biodegradable waste & 43.2 non-biodegradable waste). Hazardous waste (20 kgs. /month during construction and 10 kgs./month during operation phase) is expected to be generated.</p> <p>Environment Management Plan (EMP) addressing following issues related to - (a) fire fighting facility (b) Traffic management (c) noise reduction (d) energy conservation (e) post-project monitoring and management have been proposed.</p>
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with the permission of the Chairman