

**Minutes of the 8th Goa State Expert Appraisal Committee (Goa-SEAC)
meeting held on 23rd August , 2012 at 11.00 p.m. in the Conference Room of
the EIA Secretariat, O/o Goa State Pollution Control Board (GSPCB),
Patto.**

The eight meeting of the Goa-SEAC was held on 23rd August 2012 in the Conference room of the GSPCB under the Chairmanship of Dr. S. P. Fondekar. The list of members is annexed at “Annexure – 1”.

At the outset, Chairman welcomed the members as the last meeting was convened on 24th July 2012. Subsequently, Dr. Mohan R. Girap, Secretary (Goa-SEAC) appraised the members about the purpose of the meeting and presented the Agenda items (refer Annexure – 2) to the Members. This was followed by a power point presentation by **M/s Cipla Ltd., Verna** regarding its proposal to set-up 11.6 MW D.G. based power generation facility in Plot no. N-5a at Verna Industrial Estate.

Project-wise comments are listed as under:-.

A. M/s Cipla Ltd., Verna

Based on the project presentation about the aforesaid proposal vis-a-vis clarification sought by the Members on certain observations, the Committee understood that –

1. The Project Proponent (PP) has authorized in-house 5.0 MW D.G. based power plant generation unit for base load utility and intends to set up additional 6.5 MW D.G. based plant as a back-up / emergency facility (i.e. in case of GED outages / restrictions) to its formulation units.
2. The proposed power generation is through HSD / HFO-fired engines which work on air-cooled cooling towers (i.e. radiators) – closed cycle cooling thereby minimal water usage/wastage. It does not require turbines, burners, steam boilers for power generation.
3. PP has limited resources for its in-house power requirements owing to (a) no natural gas availability in the State, (b) high cost towards power purchase from Naptha-based power generating unit - M/s Reliance Energy Ltd., Sancoale.
4. The existing 5.0 MW power plant is complying with required emission standards for diesel engines (above 800 KW) generator sets as stipulated in the Environment (Protection) Rules, 1986 / 2005 and has valid consent of the Goa State Pollution Control Board.

Based on above facts, the Committee decided that –

1. The PP should install acoustic enclosures considering the extent of noise likely to be generated on full-load as well as adhere to stipulated emission norms vis-a-vis compliance to stack analysis parameters.
2. Power generating units located / established within the notified Industrial Estates and not within Municipal limits of towns / cities having population more than 10 lakhs are classified under ‘Category – B’ as per EIA Notification, 2006.
3. However, such D.G. based power generation plant, not being categorized as thermal power plant, does not come under the purview of EIA Notification, 2006 (*refer Schedule annexed to the said Notification under class I(d)*).

Subsequently, following project proposal were appraised in order to ascertain the applicability of the EIA Notification, 2006 vis-a-vis requirement of EC:

- a. M/s Prince Marine Transport Services Pvt. Ltd., Mumbai - proposed 'workshop to repair the barges' in Survey No. 123/0 of Cundai village in Ponda taluka by.**

The Committee decided that as per the 'Schedule' annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said activity – 'Barge Repairs' 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.

- b. Construction of 'Beach Resort' in Survey No. 156/2 and 156/3-A of Calangute village, Bardez taluka by Mr. Edfar Afonso, Calangute.**

The Committee decided that as per the 'Schedule' annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.

However, Beach Resort projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011 and also to comply with the 'Policy for utilization of available open plots in CRZ-III zone' issued by the DST&E, Goa, Govt. of Goa.

- c. Construction of 'Hotel Villas' in Survey No. 53/1 of Chicalim village in Mormugao taluka of South Goa district by Mr. Mario J. A. Alvares – P.O.A holder Mr. Gustavo De Souza.**

The Committee opined that in order to ascertain the applicability of EIA Notification, 2006 vis-a-vis requirement of prior EC for the aforesaid construction activity, it is requested to furnish following details –

1. Total built-up area proposed to utilized by the said construction activity.
2. FAR / FSI permissible and proposed to be utilized.
3. Existing land use / land cover of the proposed site as well as categorization of plot in terms of RPG-21.
4. Methodology proposed to be adapted towards optimum utilization of natural resources w.r.t. electricity, water as well as water harvesting / groundwater recharge initiatives.
5. Plan of action to treat and dispose-off solid waste / liquid effluents as per the standards prescribed under Environment (Protection) Rules, 1986 (as amended) and Water / Air Acts, as applicable.
6. Proposed Environment Management Plan (EMP)

d. **M/s Parkkot Maritima Agencies Pvt. Ltd., Vasco – proposed construction of ‘multi-purpose jetty’ in Survey No. 201/0 and 202/59 of Borim village in Ponda taluka, South Goa district.**

The Committee observed that total cargo handling capacity of the proposed multi-purpose quay / jetty is about 2 MTPA involving coal, cement, bentonite, chemicals, metal scrap, oil, tiles, salt, Fe-ore pellets, Pig iron ingots. In this context and as per the ‘Schedule’ annexed to the Environment Impact Assessment (EIA) Notification, 2006 (*as amended up to 4th April 2011*), it is informed that such activity involving construction of ‘physical infrastructure including environmental services’ with cargo handling capacity less than 5 MTPA (category 7(e)) is classified as ‘Category B’ project and also comes under the purview of said Notification and is required to obtain prior EC.

Accordingly and prior to forwarding the said application to the State EIA Authority for seeking prior EC, it is mandatory to obtain NOC from the Goa Coastal Zone Management Authority (GCZMA) as per CRZ Notification, 2011. Further, the Project Proponent (PP) is requested to submit relevant details pertaining to -

- a. The current status of the land use / land cover vis-à-vis land use classification surrounding the periphery of 7 kms. from the proposed site.
 - b. The existing bathymetry (i.e. bottom topography) across the river/estuarine width (i.e. transverse section) and maximum depth variation due to HTL/LTL at the proposed site.
 - c. Transportation route for every raw material (with specific reference to coal/coke, oils, chemicals) right from its source upto the proposed site along with the precautionary measures proposed to be adapted to avoid spillage, leakages, overweighing, accidents, etc., may be ascertained so as to understand the possible impacts because of transportation through settlement zone / eco-sensitive zone, if any, along the route.
 - d. The modus-operandi of undertaking desilting / dredging, as applicable, vis-a-vis its environmental impacts, if any, along with management practices proposed to be adapted to mitigate the same. In addition, utilization/disposal/treatment/management of the dredged material may please be ascertained.
 - e. The PP should also carry out study involving estuarine bank erosion / stability assessment likely to be impacted due to the proposed offshore activities.
 - f. The care should be taken to prevent dumping of construction material, debris, etc., into the surrounding coastal environs, especially during the construction phase, and disturb the ecological set up / biodiversity (i.e. flora/fauna) of the surrounding area.
 - g. It is understood that the Project Proponent (PP) will be handling oils and chemicals and as such, comes under the purview of Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.
- e. **M/s Total Composites Pvt. Ltd., C/o Goa Glass Fibre Ltd., Colvale – proposed construction of ‘Beach Resort’ in Survey No. 138/1-D (Part) and 138/1-E-1 of Varca village in Salcete taluka, South Goa district.**

The Committee decided that as per the ‘Schedule’ annexed to the EIA Notification, 2006 (*as amended up to 4th April 2011*), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.

However, Beach Resort projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011 and also to comply with the 'Policy for utilization of available open plots in CRZ-III zone' issued by the DST&E, Goa, Govt. of Goa.

f. **Goa State Infrastructure Development Corporation (GSIDC) Ltd., Panaji – proposed constructions of a 'Bridge' from Salvador do Mundo to Madel church (Chodan).**

The Committee observed that constructions of 'Bridges' are not separately included in the 'Schedule' annexed to the Environment Impact Assessment (EIA) Notification, 2006 (as amended up to 4th April 2011). As such, it is inferred that this activity does not come under the purview of the said Notification. However, site-specific location of the proposed bridge (i.e. across Mandovi estuary), being under the constant influence of tidal fluctuations, the developmental / infrastructure activity falls under the purview of the Coastal Regulation Zone (CRZ) Notification, 2011.

g. **Proposed construction of 'Beach resort' in Survey No. 207/1, 207/2 and 208/3 of Calangute village in Bardez taluka, North Goa district by Domnic Alleluia De Souza, R/o Chalstan Beach Resort, Baga.**

The Committee decided that as per the 'Schedule' annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006. However, the GCZMA may like to ascertain whether the said proposal is a construction of 'new independent' hotel or 'expansion of the existing Chalston beach resort, Baga for suitable appraisal as mandated in the said Notification.

Further, Beach Resort projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011 and also to comply with the 'Policy for utilization of available open plots in CRZ-III zone' issued by the DST&E, Goa, Govt. of Goa.

h. **M/s Good Value Hotel and Resorts Pvt. Ltd., Anjuna – proposed construction of 'Beach hotel' in Survey No. 209/9, 10 of Anjuna village in Bardez taluka, North Goa district.**

The Committee decided that as per the 'Schedule' annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.

However, Hotel / Resort projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011 and also to comply with

the 'Policy for utilization of available open plots in CRZ-III zone' issued by the DST&E, Goa, Govt. of Goa.

- i. **M/s Yacht Haven (Goa) Pvt. Ltd., Vasco – proposed development of Marina in Survey Nos. 261/3, 261/7, 261/8, 261/9, 260/2, 260/9 and 307/1 at Sancoale bay in Zuari estuary of Sancoale village, South Goa district.**

The Committee observed that the proposal is for construction of Marina for berthing of 311 yachts on southern bank of Zuari estuary in Sancoale bay located in Sancoale village of Mormugao taluka. As per the 'Schedule' annexed to the Environment Impact Assessment (EIA) Notification, 2006 (*as amended up to 4th April 2011*), 'Marina' is not separately included under the Category 7 : Physical Infrastructure involving Environmental Services. However, such developmental activity (i.e. construction of Marina) is similar in nature to that involving construction activities which are classified under category 7(e) Ports, Harbours, break waters, dredging, considering its proposed utility (i.e. cargo / service handling capacity) and are grouped under 'category 'B' projects and as such, comes under the purview of prior EC as mandated under the said Notification. Accordingly, the project proponent is required to carry out and prepare Comprehensive Environment Impact Assessment (EIA) report so as to suitably address appropriate Environmental Management Plan (EMP) to be adapted during construction as well as post-construction vis-a-vis operational phases for effective mitigation.

The meeting ended with vote of thanks to the Chair.

Mr. James Afonso

Mrs. A. A. B. Barreto

Dr. Purnanand P. Savoikar

Mrs. Savita S. Kerkar

Dr. Mohan R. Girap
Secretary, Goa-SEAC

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

Place: Patto, Panaji
Date: 27th August 2012

ANNEXURE – 1

List of members who attended the eighth Goa-SEAC meeting

1. Dr. S. P. Fondekar, Ex-Dy. Director, NIO, D’paula. – **Chairman**
2. Mrs. A. A. B. Barreto, Ex-Head, Dept. of Food Technology, Govt. Polytechnic, Panaji. - *Member*
3. Dr. Purnanand Savoikar , Head Civil Eng., GPP, Mayem - *Member*
4. Mrs. Savita S. Kerkar, Professor, DBT, Goa University - *Member*
5. Mr. James Afonso, Ex-Principal, Govt. Polytech., Panaji - *Member*
6. Dr. Mohan R. Girap - *Secretary*

ANNEXURE – 2

Agenda Items for EIGHTH Goa-SEAC meeting held on 23rd August 2012 at 11.00 a.m. in the GSPCB

(As per Policy for Utilization of available Open-plots in CRZ-III Zone for purpose of establishing Hotel / Beach Resorts issued by DST&E, Govt. of Goa, vide letter no. GCZMA / H. COURT MATTER / 07 / 656 / Part IV / 311 dated 10th June 2011)

1	<p>Applicability of EIA Notification, 2006 for the projects related to proposed setting-up of 11.6 MW D.G. based power generation in Plot no. N-5a at Verna Industrial Estate by M/s Cipla Ltd., Verna.</p> <p align="center"><i>(received on 26th July 2012)</i></p>	<p>It is understood that the proposal is for generation of 11.6 MW D.G. based power generation. As per the ‘Schedule’ annexed to the Environment Impact Assessment (EIA) Notification, 2006 <i>(as amended upto 4th April 2011)</i>, “Thermal Power Plants” (upto 500 MW) has been categorized as “B” under category 1(d) depending on the type of fuel used.</p> <p>As such, it is inferred that such D.G. based power generation plant, not being thermal power plant, does not come under the purview of EIA Notification, 2006. However, the Committee may like to deliberate / discuss for further appraisal / scrutiny.</p>
2	<p>Applicability of EIA Notification, 2006 for the projects related to proposed workshop to repair the barges in Survey No. 123/0 of Cundai village in Ponda taluka by M/s Prince Marine Transport Services Pvt. Ltd., Mumbai.</p> <p align="center"><i>(received on 3rd August 2012)</i></p>	<p>As per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th 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>
3	<p>Applicability of EIA Notification, 2006 for the projects related to Construction of ‘Beach Resort’ in Survey No. 156/2 and 156/3-A of Calangute village, Bardez taluka by Mr. Edfar Afonso, Calangute.</p> <p align="center"><i>(received on 3rd August 2012)</i></p>	<p>Such Beach Resorts projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011. However and as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.</p>

4	<p>Applicability of EIA Notification, 2006 for the projects related to Construction of ‘Hotel Villas’ in Survey No. 53/1 of Chicalim village in Mormugao taluka of South Goa district by Mr. Mario J. A. Alvares – P.O.A holder Mr. Gustavo De Souza.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>Such Hotel Villas projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011.</p> <p>As such, in order to ascertain the applicability of the EIA Notification, 2006 vis-à-vis requirement of prior EC for the aforesaid construction activity, it is requested to ascertain the following details –</p> <ol style="list-style-type: none"> 1. Total built-up area proposed to utilized by the said construction activity. 2. FAR / FSI permissible and proposed to be utilized. 3. Existing land use / land cover of the proposed site as well as categorization of plot in terms of RPG-21. 4. Methodology proposed to be adapted towards optimum utilization of natural resources w.r.t. electricity, water as well as water harvesting / groundwater recharge initiatives. 5. Plan of action to treat and dispose-off solid waste / liquid effluents as per the standards prescribed under Environment (Protection) Rules, 1986 (as amended) and Water / Air Acts, as applicable. 6. Proposed Environment Management Plan (EMP)
5	<p>Applicability of EIA Notification, 2006 for the projects related to construction of multi-purpose jetty in Survey No. 201/0 and 202/59 of Borim village in Ponda taluka, South Goa district by M/s Parkkot Maritima Agencies Pvt. Ltd., Vasco.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>As per the ‘Schedule’ annexed to the Environment Impact Assessment (EIA) Notification, 2006 <i>(as amended up to 4th April 2011)</i>, such activity involving construction of ‘physical infrastructure including environmental services’ with cargo handling capacity less than 5 MTPA (<u>category 7(e)</u>) is classified as ‘Category B’ project and as such, comes under the purview of prior EC as mandated under the said Notification.</p> <p>Accordingly, the Project Proponent (PP) needs to obtain prior EC from the Goa-SEIAA <i>after</i> obtaining Consent to Establish from the GSPCB and subsequent NOC from the GCZMA as per CRZ Notification, 2011.</p>

6	<p>Applicability of EIA Notification, 2006 for the projects related to Construction of Beach Resort in Survey No. 138/1-D (Part) and 138/1-E-1 of Varca village in Salcete taluka, South Goa district by M/s Total Composites Pvt. Ltd., C/o Goa Glass Fibre Ltd., Colvale.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>Such Beach Resorts projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011.</p> <p>However and as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), such construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.</p>
7	<p>Applicability of EIA Notification, 2006 for the projects related to Constructions of a bridge from Salvador do Mundo to Madel church (Chodan) by Goa State Infrastructure Development Corporation Ltd., Panaji.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>Such infrastructure projects falling within the CRZ zone need to obtain NOC from the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011. Further, as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), such activities do not come under the purview of the said EIA Notification, 2006.</p>
8	<p>Applicability of EIA Notification, 2006 for the projects related to Construction of beach resort in Survey No. 207/1, 207/2 and 208/3 of Calangute village in Bardez taluka, North Goa district by Domic Alleluia De Souza, R/o Chalstan Beach Resort, Baga.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>Such Beach Resorts projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011.</p> <p>However and as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.</p>

9	<p>Applicability of EIA Notification, 2006 for the projects related to Construction of beach hotel in Survey No. 209/9, 10 of Anjuna village in Bardez taluka, North Goa district by M/s Good Value Hotel and Resorts Pvt. Ltd., Anjuna.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>Such Beach Resorts projects falling within the CRZ zone need to obtain NOC from the MoEF (i.e. NCZMA) on recommendation of the State Coastal Zone Management Authority concerned (i.e. GCZMA) as per CRZ Notification, 2011. However and as per the ‘Schedule’ annexed to the EIA Notification, 2006 (as amended up to 4th April 2011), said construction activity involving built-up area less than 20,000 sq.mts. does not come under the purview of the said EIA Notification, 2006.</p>
10	<p>Applicability of EIA Notification, 2006 for the projects related to proposed development of Marina in Survey Nos. 261/3, 261/7, 261/8, 261/9, 260/2, 260/9 and 307/1 at Sancoale bay in Zuari estuary of Sancoale village, South Goa district by M/s Yacht Haven (Goa) Pvt. Ltd., Vasco.</p> <p><i>(received on 3rd August 2012)</i></p>	<p>It is understood that the proposal is for construction of Marina for berthing of 311 yachts on southern bank of Zuari estuary in Sancoale bay located in Sancoale village of Mormugao taluka. As per the ‘Schedule’ annexed to the Environment Impact Assessment (EIA) Notification, 2006 <i>(as amended up to 4th April 2011)</i>, constructions of marina is not included under the Category 7 : Physical Infrastructure involving Environmental Services’.</p> <p>However, such developmental activity (i.e. construction of Marina) involves operations / features which are similar in nature and are included in category 7(e) – i.e. construction of Ports, Harbours, break waters, dredging and deals with service handling capacity as per the Schedule annexed to the said Notification. As such, the project proponent is required to carry out and prepare Comprehensive Environment Impact Assessment (EIA) report so as to suitably address appropriate Environmental Management Plan (EMP) to be adapted during construction as well as post-construction vis-a-vis operational phases for effective mitigation.</p> <p style="text-align: center;">However, the Committee may like to deliberate / discuss for further appraisal / scrutiny.</p>

