

Minutes of the 20th Goa State Expert Appraisal Committee (Goa-SEAC) meeting held on 22nd April 2014 at 10.30 a.m. in the Conference Room of the EIA Secretariat, O/o Goa State Pollution Control Board (GSPCB), Patto.

The twentieth meeting of the Goa-SEAC was held on 22th April 2014 in the Conference room of the GSPCB from 10.30 a.m. onwards under the Chairmanship of Prof. Antonio Jaime Afonso. The list of members who attended the meeting is at "Annexure – I".

At the beginning, Chairman welcomed the Members and requested Secretary, SEAC to proceed as per the Agenda items (refer Annexure – 2).

1. In response to item no. (1) of the agenda item, the Committee perused the State Policy for utilization of available open plots in CRZ-III zone for the purpose of establishing Hotels / Beach resorts notified by the Department of Science, Technology and Environment (DST&E), Goa, vide No. GCZMA / H.COURT / 07 / 656/Part-IV / 311 dated 10th June 2011 and decided that -
 - a. Project Proponent (PP) should submit one soft copy and eight (08 nos.) hard copies of the project proposal to enable proper scrutiny and appraisal of the same.
 - b. Subsequent to (a) above, the Committee would inspect the site during which the PP or the environmental consultant concerned would make a brief presentation, on-site, highlighting the proposed activity vis-a-vis environment management plan (EMP). During the inspection, PP/environmental consultant should comply/submit/furnish observation-specific information sought, if any, for ascertaining ground-truthing.
2. Subsequently, item no. (2) was taken up for post-inspection discussion and deliberation. Accordingly, Committee decided to seek project specific compliances to site-specific observation(s) from PP / environment consultant at the time of project presentation before SEAC. The details are as under –
 - a. Proposed construction of residential complex along with Community facility in Sy. No. 215/1 of Sancoale village, Mormugao Taluka by **M/s Anand Chandra Bose**.

Observations on site (Site visited on March14, 2014)

The proposed site is located in Sancoale village, Marmagoa accessed from NH-17B at about 1.5 kms .The site is surrounded by several residential projects. The plot is sloping towards the valley and currently devoid of any vegetation which seemed to be cleared for the proposed project. The proposed project is accessible by a 4.0m wide road but as per the consultants it is proposed in ODP to be a 10 mts. wide road. The valley has dense endemic plantation and natural drainage of the site is towards the valley. The

members felt that some vegetation would have also existed on the site and sought details of the same from the project proponent representative.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details of status of access road for the project with reference to the ODP
 2. Details with reference to ephemeral vegetation around the site and Google images of the site from 2006 to 2014 whichever available. Also provide details of any known wild habitat around the site.
 3. Traffic management plan during construction for movement of materials and post construction for issues of traffic congestion
 4. Existing and proposed storm water drainage plans with reference to rain water harvesting details planned (if any)
 5. Section details of the building with levels of basement parking with reference to existing road levels
 6. Details of energy conservation and alternative energy measures utilized specific to this project
 7. Details on construction worker's housing and sanitation related issues
 8. Details on specific green building features (sun shading and fenestration details, roof and heat protection measures)used in the buildings
 9. Details of landscape plan and planting plan with species.
 10. Water balance details including rain water harvesting measures.
 11. Disaster risk assessment and management plan including fire safety measures during construction and during occupancy.
 12. EMP budget and CSR activities planned, if any.
- b. Proposed expansion of Hostel building by **(BITS) Pilani, Goa Campus**, Sancoale village, Mormugao Taluka.

Observations on site (Site visited on March 14, 2014)

The proposed site is located Sancoale village; off NH-17B .The site is surrounded by several residential projects. The plot is already developed educational campus currently functioning with all the facilities. The plot is sloping towards the valley and the proposed hostel extension is planned near the existing hostel blocks. The proposed site is flat and is airport funnel zone. The valley has dense endemic plantation and natural drainage of the site is towards the valley. There has been any issue of Hepatitis outbreak due to seepage of sewage water and its contamination with water supply pipeline which was discussed with the management.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted.

1. Details of rainwater harvesting potential for the campus and its applicability on water balance

2. Details with reference to ephemeral vegetation within the site. Also provide details of any known wild habitat around the site.
 3. Details of energy conservation and alternative energy measures utilized specific to this project
 4. Details on construction worker's housing and sanitation related issues
 5. Details on specific green building features (sun shading and fenestration details, roof and heat protection measures)used in the buildings
 6. Details of landscape plan and planting plan with species.
 7. Details of fuel storage for DG sets
 8. Disaster risk assessment and management plan including fire safety measures during construction and during occupancy.
 9. EMP budget and CSR activities planned, if any.
- c. Proposed construction of residential complex in chalta no. 34, P.T. sheet No. 129, Margao, Gogal, Salcete by **M/s Prudential developers Pvt. Ltd.**, Margao.

Observations on site (Site visited on March 25, 2014)

The proposed site is located on plot bearing Chalta No.34 of PT sheet no 129 at Gogol near Housing Board Colony Margao, Goa. The site is surrounded by several residential projects. The plot is flat and currently has substantial vegetation of which 45 trees will be cut (application has been made to the Forest Dept.). The site also has three structures which as per the project proponent will be demolished for the proposed project.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details of status of access road for the project with reference to the ODP
2. Detailed inventory of vegetation within the site and detailed inventory of trees to be cut along with permission from Forest Dept.
3. Traffic management plan during construction for movement of materials and post construction for issues of traffic congestion
4. Existing and proposed storm water drainage plans with reference to rain water harvesting details planned (if any)
5. Section details of the building with levels of basement parking with reference to existing road levels
6. Details of energy conservation and alternative energy measures utilized specific to this project
7. Details on construction worker's housing and sanitation related issues.
8. Demolition and Debris management plan for the existing structure
9. Details on specific green building features (sun shading and fenestration details, roof and heat protection measures etc.)used in the buildings
10. Details of landscape plan and planting plan with species.
11. Water balance details including rain water harvesting measures
12. Details of swimming pool with sectional details

13. Details on monitoring and minimization plans for air quality and noise levels during construction
 14. Disaster risk assessment and management plan including fire safety measures during construction and during occupancy.
 15. EMP budget and CSR activities planned, if any.
- d. Proposed Residential complex in Sy. No. 209/1-a, Ponda by **M/s Maharudra Real estate, Ponda.**

Observations on site (Site visited on March 25, 2014)

The proposed site is located in a valley at Khadpaband, Ponda, at a distance of 1.0km approx from the main road. The site is partly sloping and flat towards the access. As per the project proponent and discussions with the representative of the architect the buildings will be located towards flatter portions of the valley and upper slope will be protected by keeping it as open area. There is a nallah at the edge of the plot which form part of the natural drainage. The plot slopes towards the nallah. There are several trees on the site and inventory of which has not been submitted. The Safa Masjid lies about 2.5 kms away from the site. The site is surrounded by residential development. The access and entry to the site is with narrow road.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details of status of access road for the project with reference to the ODP
2. Detailed inventory of vegetation within the site and detailed inventory of trees to be cut along with permission from Forest Dept.
3. Traffic management plan during construction for movement of materials and post construction for issues of traffic congestion
4. Existing and proposed storm water drainage plans with reference to rain water harvesting details planned (if any)
5. Sectional details of the building with levels with reference to existing ground levels with cut and fill details.
6. Details of energy conservation and alternative energy measures utilized specific to this project
7. Details on construction worker's housing and sanitation related issues.
8. Details on specific green building features (sun shading and fenestration details, roof and heat protection measures etc.)used in the buildings
9. Details of landscape plan and planting plan with species.
10. Water balance details including rain water harvesting measures
11. Details on monitoring and minimization plans for air quality and noise levels during construction
12. Disaster risk assessment and management plan including fire safety measures during construction and during occupancy.
13. EMP budget and CSR activities planned, if any.

- e. Proposed expansion of Hostel building Sy. no. 58/1-C-3, Poriem, Sattari by **Goa Institute of Management (GIM), Sanquelim Goa campus.**

Observations on site (Site visited on April 1, 2014)

The proposed site is located Sanquelim village on a plateau. The plot is already developed as an educational campus currently functioning with all the facilities. The proposed activity is an expansion of hotel building for faculty accommodation. The EC has been sought as the total built up of the development is with the proposed building would be higher than 20,000 sqm. Since the development is on non disturbed plateau, the project impact on existing avifauna and vegetation should be minimized. Though the proposed project is not significant but the overall impact of the development should be assessed.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details with reference to ephemeral vegetation within and around the site. Also provide details of any known wild habitat around the site. If any schedule I species present, a conservation plan needs to be prepared.
 2. Invasive flora eradication plan and afforestation with endemic species
 3. Existing and proposed storm water drainage plan with reference to rain water harvesting potential details to be studied.
 4. Details of alternative energy measures utilized specific to this project
 5. Details on monitoring and minimization plans for air quality and noise levels during construction
 6. Details on specific green building features used in the buildings
 7. Details of landscape plan and planting plan for the campus with species.
 8. Disaster risk management plan during construction and during occupancy.
 9. EMP budget and CSR activities planned, if any.
- f. Proposed construction of a Residential complex (EVORA) in P.T. Sheet no. 121/ Chalta no. 2,3,4,38,39 & P.T.S no. 130/ Chalta no. 33 at St. Inez, Tiswadi by **M/s Marvel Resort Pvt. Ltd., Panaji.**

Observations on site (Site visited on April 1, 2014)

The proposed site is located in a low lying area with ground water table at 4.0m post monsoon. The plot has been filled up to current level. Three structures are located on site, a house at the entry point to the site and a building currently occupied and a religious structure. The site is enclosed by Panaji sewage treatment plant on three sides and a nallah and road on the front side. As per the information provided by the project proponent the religious structure and the building will be demolished and the residents will be shifted to Taleigao. The entry to the site is also a major junction with narrow roads. The project will lead to the junction which the members felt would cause traffic congestion issues. Also the sewage tankers were seen parked on the road leading to sewage treatment plant.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Traffic management plan during construction for movement of materials and post construction for issues of traffic congestion
 2. Storm water drainage planning with reference to water logging during monsoon and rain water harvesting details
 3. Demolition and Debris management plan for the existing structure
 4. Submission of affidavit on status and proposal for religious structure
 5. Section details of the building with levels of basement parking with reference to existing road levels
 6. Details of alternative energy measures utilized specific to this project
 7. Details on monitoring and minimization plans for air quality and noise levels during construction
 8. Details on construction worker's sanitation related issues
 9. Details on specific green building features used in the buildings
 10. Details of landscape plan and planting plan with species.
 11. Water balance details including rain water harvesting measures
 12. Disaster risk management plan during construction and during occupancy
 13. EMP budget and CSR activities planned, if any.
- g. Proposed construction of Housing and Commercial development in S.No. 33/1 of Khandola village, Ponda talaku by **M/s. Gera Developments Pvt. Ltd., Pune.**

Observations on site (Site visited on April 10, 2014)

The proposed site is located at Khandola village on a sloping site. Part of the site comes under No Development Zone due to slope criteria of the Regional Plan. The project was earlier considered for EC by the earlier Committee. The project proponents have reapplied as the projects details have changed considerably.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details of avifaunal inventory, floral inventory including endemic floral inventory considering compatible matrices of wildlife habitat ruling out schedule 1 and species of conservation.
2. Existing and proposed Storm water drainage with reference to rainwater harvesting
3. Traffic management plan during construction for movement of materials and post construction
4. Sectional details of the building with reference to existing levels showing cut and fill sections
5. Details of alternative energy measures utilized specific to this project
6. Details on monitoring and minimization plans for air quality and noise levels during construction
7. Details on construction worker's sanitation related issues
8. Details on specific green building features used in the buildings

9. Details of landscape plan and planting plan with species.
 10. Water balance details including rain water harvesting measures.
 11. Disaster risk management plan during construction and during occupancy.
 12. EMP budget and CSR activities planned, if any.
- h. Proposed construction of Residential- cum- commercial building with compound wall in S. Nos. 99/1 &2, 105/1, 2&3 – C3 in Taleigao village, Tiswadi Taluka by **M/s Mahadhan Real Estate Ltd., Vasco-da-Gama.**

Observations on site (Site visited on April 10, 2014)

The proposed site is located in a low lying area with low water table. There was a sand dune like features noticeable on the site. The site abuts the main Panaji- Taleigao main road and below the existing road level. On the other side of the road there are residential developments. The members felt that the site acts a water catchment area during monsoon as the land seems marshy and agricultural during non-monsoon period.

Discussion and recommendation

Following details need to be sought from the project proponent which shall be part of the EMP submitted

1. Details of land filling and status of sand dune features present on site.
 2. Geotechnical details of the soil and detailed inventory of vegetation within the site
 3. Existing and proposed Storm water drainage with reference to water logging during monsoon
 4. Traffic management plan during construction for movement of materials and post construction for issues of traffic congestion
 5. Section details of the building with levels of basement parking with reference to existing road levels
 6. Details of alternative energy measures utilized specific to this project
 7. Details on monitoring and minimization plans for air quality and noise levels during construction
 8. Details on construction worker's sanitation related issues
 9. Details on specific green building features used in the buildings
 10. Details of landscape plan and planting plan with species.
 11. Water balance details including rain water harvesting measures
 12. Disaster risk management plan during construction and during occupancy.
 13. EMP budget and CSR activities planned, if any.
3. Subsequently, the Committee decided to appraise and seek consent / approval in respect of the following matters from Goa-SEIAA for its effective implementation namely:
- a. Modus-operandi to appraise CRZ proposals forwarded by the GCZMA in line with the State Hotel Policy, 2011 issued by the DST&E, Goa.

- b. Applicability of a draft Notification (Extraordinary) No. 1698, PART-II, Section-3, Sub-section (ii) dated 19th July 2013 – mandating the requirement of NABET / QCI accredited or MoEF notified environmental consultant for preparation and presentation of Environment Impact Assessment (EIA) report and Environment Management Plan (EMP) for a particular category of project for that sector.
- c. Seeking spatial database on site-specific locations of Minor Mineral Quarries as a cluster-based approach (i.e. GIS-based map / AutoCAD-enabled, etc.,) having maximum aerial expanse upto 25 Ha. through the Directorate of Mines and Geology (DMG), Goa. This is considering the necessity of authenticated database and that DMG is the Nodal Department to deal with matters related to mineral resources (major/minor) of the State.

The meeting ended with vote of thanks to the Chair.

Dr. Manoj R. Borkar

_____ *Sd. /-* _____

Mrs. Anita. A. B. Barreto

_____ *Sd. /-* _____

Mrs. Ashwini Pai Panandikar

_____ *Sd. /-* _____

Mr. Suhas Gaonkar

_____ *Sd. /-* _____

Dr. P. K. John

_____ *Sd. /-* _____

Dr. Jagannath Hirkude

_____ *Sd. /-* _____

Sd. /-

Dr. Mohan R. Girap
Afonso Secretary, Goa-SEAC

Sd. /-

Mr. Antonio Jaime C.
Chairman, Goa-SEAC

Place: Patto, Panaji
Date: 29th April 2014.

ANNEXURE – 1

List of members who attended the twentieth Goa-SEAC meeting

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|--|--------------------|
| 1. Prof. Antonio Jaime C. Afonso, St.Istevam | Chairman |
| 2. Dr. Manoj R. Borkar, Nuvvem | - <i>Member</i> |
| 3. Mrs. Anita B. Barreto, Panaji. | - <i>Member</i> |
| 4. Mrs. Ashwinin Pai Panandikar, Bambolim | - <i>Member</i> |
| 5. Mr. Suhas Gaonkar, cuncolim | - <i>Member</i> |
| 6. Dr. P. K. John, Alto-St.Cruz | - <i>Member</i> |
| 7. Mr. Jagannath Hikude, Margao | - <i>Member</i> |
| 8. Dr. Mohan R. Girap, Panaji | - <i>Secretary</i> |

ANNEXURE – 2

Agenda items for the 20th Goa-SEAC Pre-presentation discussion meet held on 22nd April 2014

1. Appraisal of three (03) project proposals forwarded to Goa-SEAC by the Goa Coastal Zone Management Authority (GCZMA) namely –
 - a. Proposed construction of resort in S. No. 211/1-A and 215/1 of Varca village, Salcete by **M/s. Ramsukh Resort / Development Pvt. Ltd.** – Total BUA – 8,608.99 sq.mts.
 - b. Proposed construction of a Native Resort & Compound wall in S. No. 167/1 of Quelossim village, Mormugao by **M/s. Crystal Island Park Pvt. Ltd.** – Total BUA – 20,894.98 sq.mts.
 - c. Proposed construction of resort on amalgamated plot in S. No. 210/1, 211/2 and 212/1-A of Mandrem village, Pernem by **M/s Maha Seer Hotel and Resorts Pvt. Ltd., Miramar.** – Total BUA – 18,735.25 sq.mts. / 19,975.75 sq.mts. (???)
2. Pre-presentation discussion on the following project proposals seeking prior EC for construction / expansion projects namely –
 - a. Proposed construction of residential complex – 480 flats - Basement + 8 floors : (2-BHK-224, 3-BHK-256) along with Community facility in S. No. 215/1 of Sancoale village, Mormugao taluka by **M/s Anand Chandra Bose** (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - b. Proposed expansion of Hostel building (*New construction of Hostel Building*) by **(BITS) Pilani, Goa Campus** (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - c. Proposed Construction of residential development (**Category - B**) includes: G+8 (Blocks) 2 BHK Flats- 128 nos. 3 BHK Flats- 110 nos. 4 BHK Flats- 14 nos. **Total – 252 Flats + 2 Shops** in Chalta No. 34, P. T. Sheet No. 129, Margao, Gogal, Salcete by **M/s Prudential Developers Pvt. Ltd., Margao.** (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - d. Proposed Residential Complex by M/s. Maharudra Real Estate (Category- 8 (a) B Project) includes: 2 BHK Flats - 140 nos. 3 BHK Flats - 46 nos. Villas – 2 nos. (*Total = 186 Flats + 2 Villas*) in Sy. No. 209/1-A, Ponda by **M/s Maharudra Real estates, Ponda.** (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - e. Proposed expansion of Hostel building (*additional construction of Hostel block*) in S. no. 58/1-C-2 & 58/1-C-3, Poriem, Sattari **Goa Institute of Management (GIM), Sanquelim Goa campus.** (Env. Consult. - *M/s Sadekar Envirocare Pvt. Ltd., Panaji*).

- f. Proposed construction of a Residential Complex (**EVORA**) that includes: 2 BHK – 23 nos. 3 BHK – 54 nos. 3.5 BHK – 26 nos. 4.5 BHK – 01 no. 5.5 BHK – 02 nos. Bungalow – 01 no. (*Total = 106 Flats + 1 Bungalow*) in P.T. Sheet no. 121/ Chalta no. 2, 3, 4, 38, 39 & P.T.S no. 130/ Chalta no. 33 at St. Inez, Tiswadi by **M/s Marvel Resorts Pvt. Ltd., Panaji**. (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - g. Proposed construction of Housing and Commercial development in S. No. 33/1 of Khandola village, Ponda taluka by **M/s Gera Developments Pvt. Ltd., Pune**. (Env. Consult. - *M/s Aditya Environmental Services, Mumbai*).
 - h. Proposed construction of Residential-cum-commercial building with compound wall in S. Nos. 99/1 & 2, 105/1, 2 & 3 – C3 in Taleigao village, Tiswadi taluka by **M/s Mahadhan Real Estates Ltd., Vasco-da-Gama**. (Env. Consult. - *M/s Sadekar Envirocare Pvt. Ltd., Panaji*).
3. Any other matter with the permission of the Chair.
