

**Minutes of the 86<sup>th</sup> Goa-SEAC meeting held on 23<sup>rd</sup> November 2017 at 03.30 p.m. in the Conference Room of the EIA Secretariat, O/o Goa State Pollution Control Board (GSPCB), Patto.**

The 86<sup>th</sup> Meeting of Goa-SEAC was held on 23<sup>rd</sup> November 2017 in the Conference room of the GSPCB at 03.30 p.m. under the Chairmanship of Prof. Suhas Godse. The list of members who attended the meeting is at “Annexure – I”.

At the outset, Chairman welcomed all the members and requested Secretary, (Goa-SEAC), Shri. Sanjeev Joglekar to proceed as per the Agenda items (refer Annexure – 2.)

- 1. M/s G. N. Constructions, Mumbai** project proposal seeking prior environmental clearance (EC) for a building construction project (*total plot area – 26,839 sq.mts., BUA – 39,179.85 sq.mts.*) proposed at survey no. 31/1-A-1 (**Plot – A**) in Pilerne village, Bardez Taluka. The project Proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment including air, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification 2006. Consolidated statements, Form I and IA project specific presentation and plans submitted are taken on the record. Brief extract of the project details submitted by Project Proponent is as below:

Sr	Description	Details
1	Name & location of the project	Proposed Building Construction project by G.N. Construction – Plot A Location: Plot A of Sy.no.31/1-A-1 of Pilerne Village, Bardez Taluka, Goa Latitude: 15°31'54.42"N Longitude: 73°49'4.71"E
2	Plot Area	32585.00 Sq.mtrs
	Net plot Area	26839.00 Sq.mtrs
4	FSI Area Non-FSI Area Total construction Area Building configuration & Height of the building	FSI Area:24525.04Sq.mtrs Non FSI Area:14900.16Sq.mtrs Total Built up Area: 39425.20Sq.mtrs Building configuration & Height of the building 3 BHK flats: 44 nos. (Stilt + 4 Floor) 2BHK flats: 188 nos. (Stilt + 4 Floor) 1 BHK flats: 56 nos. (Stilt + 4 Floor) Shops: 25 nos. Villas (4 BHK): 4 nos. Villas (3 BHK): 4 nos. Community hall: 1 no. (G + 2)
5	No. of shops	25 nos.

6	Total water requirement(Construction/operation phase)	<b>Construction Phase:</b> Total water requirement : 36 cmd <b>Operation Phase:157</b> Fresh Water requirement: Domestic : 90 KLD Swimming Pool water requirement: 10 KLD <b>Recycled water:</b> Flushing: 67 KLD Gardening: 50 KLD Internal Road washing; 8 KLD Waste Water Generation : 72 KLD
7	Sewage generation	Construction phase: 1.2 cu.m per day Operation phase: 157cu.m per day
8	STP Capacity	160cu.m per day MBBR Technology
9	Total Solid Waste Quantities	Total Waste:636 Kg/day Dry waste: 382 Kg/day Wet waste: 254 Kg/day STP sludge: 15 Kg/day
10	RG Area	--
11	No. of trees	Existing: 85 nos.
12	Energy Efficiency	Solar water heaters, LED lights, Solar lights
13	Parking 4 W and 2W	429 nos. of car parking space (considering visitors parking)
14	Power requirement	3000 KVA
15	D.G set Capacity	1 no. X160 KVA
16	RWH tank capacity	300cu.m per day
17	EMP cost (including DMP cost)	4 Cr
18	No. of trees to be cut	28 nos.
19	No. of trees to be planted on site	192 nos.
23	CRZ status	Not applicable

During site inspection held on 23<sup>rd</sup> September 2017 it was noted that the total plot area is 50,000 Sq. mts which the PP has submitted 2 applications as (Plot A and Plot B) respectively in survey no. 31/1-A-1 of Pilerne Village, which is separated by a proposed road. Further post-presentation clarification sought during 85<sup>th</sup> Committee meeting held on 13<sup>th</sup> October 2017 Project Proponent had submitted the compliance report. The revised details has submitted during the presentation have been taken on record. Accordingly the Committee perused the compliance forwarded by Project Proponent after detailed discussions and deliberations, the Committee decided to recommend the proposal to the Authority for the grant of prior environmental clearance (EC) with following specific conditions.

- i. Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.

- ii.** PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.
- iii.** PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body..
- iv.** E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- v.** Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.
- vi.** The Project Proponent shall utilise fly ash bricks in masonry works.
- vii.** The PP shall use construction debris for land filling wherever applicable.
- viii.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- ix.** Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- x.** Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.

- xi.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- xii.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xiii.** Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- xiv.** The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

**2. M/s G. N. Constructions, Mumbai** project proposal seeking prior environmental clearance (EC) for a building construction project (*total plot area – 16,322 sq.mts., BUA – 22,354.53 sq.mts.*) Proposed at survey no. 31/1-A-1 (**Plot – B**) in Pilerne village, Bardez taluka. The project Proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment including air, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification 2006. Consolidated statements, Form I and IA project specific presentation and plans submitted are taken on the record. Brief extract of the project details submitted by Project Proponent is as below:

<b>Sr.No</b>	<b>Description</b>	<b>Details</b>
1	Name & location of the project	Proposed Building Construction project by G.N.Construction – Plot B Location: Plot B of Sy.no.31/1-A-1 of Pilerne Village, Bardez Taluka, Goa Latitude: 15°31'52.08"N Longitude: 73°49'3.53"E
2	Plot Area	17202.00 Sq.mtrs
	Net plot Area	16322.00 Sq.mtrs
4	FSI Area Non-FSI Area Total construction Area Building configuration & Height of the building	FSI Area:13175.27Sq.mtrs Non FSI Area:9179.26Sq.mtrs Total Built up Area: 22354.53 Sq.mtrs Building configuration & Height of the building 3 BHK flats: 32 nos.(Stilt

		+ 4 Floor) 2BHK flats: 96 nos. (Stilt + 4 Floor) 1 BHK flats: 56 nos. (Stilt + 4 Floor) Villas (3 BHK): 4 nos.
5	No. of shops	Nil
6	Total water requirement(Construction/operation phase)	<b>Construction Phase:</b> Total water requirement : 22.4 cmd <b>Operation Phase:</b> <b>Fresh Water requirement:</b> Domestic : 102 KLD Swimming Pool water requirement: 10 KLD <b>Recycled water:</b> Flushing: 35 KLD Gardening: 30 KLD Internal road washing : 9 KLD Car Park and ors: 5 KLD.
7	Sewage generation	Operation phase:85 cu.m per day
8	STP Capacity	105cu.m per day MBBR Technology
9	Total Solid Waste Quantities	Total Waste:403 Kg/day Dry waste: 242 Kg/day Wet waste: 161 Kg/day STP sludge: 9 Kg/day
10	RG Area	--
11	No. of trees	Existing: 41 nos.
12	Energy Efficiency	Solar water heaters, LED lights, Solar lights
13	Parking 4 W and 2W	246 nos. of car parking space (considering visitors parking)
14	Power requirement	1800 KVA
15	D.G set Capacity	1 no. X125 KVA
16	RWH tank capacity	200cu.m per day
17	EMP cost (including DMP cost)	3.5 Cr
18	No. of trees to be cut	20 nos.
19	No. of tress to be planted on site	153 nos.
23	CRZ status	Not applicable

During site inspection held on 23<sup>rd</sup> September 2017 it was noted that the total plot area is 50,000 Sq. mts which the PP has submitted 2 applications as plot A and Plot B respectively in survey no. 31/1-A-1 of Pilerne Village, which is separated by a proposed road. Further post-presentation clarification sought during 85<sup>th</sup> Committee meeting held on 13<sup>th</sup> October 2017 Project Proponent had submitted the compliance report. The revised details has submitted during the presentation have been taken on record. Accordingly the Committee perused the compliance forwarded by Project Proponent after detailed discussions and deliberations, the

Committee decided to recommend the proposal to the Authority for the grant of prior environmental clearance (EC) with following specific conditions.

- i.** Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.
- ii.** PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.
- iii.** PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- iv.** Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.
- v.** The Project Proponent shall utilise fly ash bricks in masonry works.
- vi.** The PP shall use construction debris for land filling wherever applicable.
- vii.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- viii.** Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- ix.** Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- x.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- xi.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- xii.** Solar based electric power shall be provided to each unit for at least two

bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.

- xiii.** The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.

**3. Goa Tourism Development Corporation Ltd. (GTDC) project proposal for permission for proposed development of Anjuna property i.e. 5 star Resort at S.Y. No. 206/1-H, 210/5-A, 211/1, 211/2, 211/3, 211/4, 211/5, 211/6, 211/7, 211/8, 212/2, 212/3, 212/4,212/6 of Anjuna village , Bardez, Taluka .**

Project Description: The KPMG report commission by GTDC states that in 2013 Goa attracted almost 31.2 lakhs tourists, with 4.9 lakhs foreign and 26.3 lakhs domestic tourists. Over the last five years, the total number of tourists visiting Goa has increased at a Compounded Annual Growth Rate (CAGR) of 4.5 percent.

The actual tourists arrivals in the year 2014 is 4058226 in nos of which 3544634 in nos are domestic and 513592 in nos of foreign tourist and The actual tourist arrivals in the year 2015 is 5297902 in nos of which 4756422 in nos are domestic and 541480 in nos of foreign tourist and The actual tourist arrivals in the year 2016 is 6330744 in nos of which 5650061 in nos are domestic and 680683 in nos of foreign tourist.

In all there are 2399 Five Delux rooms and 956 5star rooms existing in the state of Goa. There are about 12 Hotels rated as 5 Star & 13 Hotels as 5 Star A Deluxe categories in North Goa with 1577 rooms, none of which is in Anjuna Village. In this respect, GTDC has derived “Anjuna” by the lack of such facilities as one of the prime and undeveloped vantage beach properties of GTDC with panoramic view of the Arabian Sea.

The project Proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment including air, land, soil, ecology and biodiversity and social aspects were discussed. Committee noted that the project is under 8a (B2) category of EIA Notification 2006.Consolidated statements, Form I and IA project specific presentation and plans submitted are taken on the record. The revised details have submitted during the presentation have been taken on record. Brief extract of the project details submitted by Project Proponent is as below:

<b>Project Proponent</b>	<b>Goa Tourism Development Corporation</b>
Name of the project	Development of 5 Star Resort at Anjuna, Goa
Net Plot Area	<b>Total Plot Area:</b> 70367.00sq.m <b>NET Plot Area:</b> 70074.10sq.m

Proposed Built-up Area (FSI & Non-FSI)	<b>Permissible FAR area (sq. m.):</b> 23221.11 <b>Proposed FAR area (sq. m.):</b> 22,900.00 <b>Total Construction Area (sq.m) :</b> 36,613.00
Ground coverage	Permissible ground coverage : 33 % Covered area : 8561.48 sq.m Ground coverage : 12.92 %
No. of buildings	5 star resort, 240 rooms along with restaurant, coffee shop, Banquets & swimming pool.
Height of the building (s)	9m
Total Water Requirement	<b>Construction Phase:</b> Total water requirement : 28 cmd <b>Operation Phase:</b> <b>Fresh Water requirement:</b> Domestic : 240 KLD Swimming Pool water requirement: 15 KLD Laundry : 10 KLD <b>Recycled water:</b> Flushing: 63 KLD Gardening: 80 KLD C.T Make up water: 112 KLD <b>Total water Requirement: 520 KLD</b>
Sewage Generation	Total sewage Generated: 255 KLD (STP Capacity 270 KLD) MBBR Technology ETP for Laundry Effluent : 10 KLD Chemical Treatment followed by treatment in STP
Solid wastes	<b>Operation Phase :</b> Biodegradable : 367.6 Kg/day Non-Biodegradable : 176.7 kg/day Total solid waste : 544 kg/day
Energy	<b>Source:</b> GEB <b>Construction Phase :</b> 50 KW <b>Operation Phase :</b> 1750 KW <b>DG Power Back-up:</b> 2 Nos. of DG set capacity:1500 KVA each
RG	26829.5 sq mt
Quantity of soil excavated	35000 cum
Tree details	Trees on site: 275 nos. Trees to be cut: 147 nos. Trees to be planted: 700 nos.

Project Proponent had submitted the compliance report. in response to site inspection held on 23<sup>rd</sup> September 2017 vis –a vis post-presentation clarification sought during 85<sup>th</sup> Committee meeting held on 13<sup>th</sup> October 2017 Accordingly the Committee perused the compliances forwarded by **Goa Tourism Development Corporation (GTDC)** after detailed discussions and deliberations the Committee decided to recommend the proposal to the Authority for the grant of environmental clearance (EC) and to Goa Coastal Zone Management Authority (GCZMA) with following specific conditions.



- i.** Considering the scale of the construction proposed the movement of heavy vehicles and building materials during construction phase to the site shall be strictly during non-peak hours.
- ii.** Considering the scale of the project, the PP may consider an appropriate budgetary allocation benefiting the local communities. The details of the same may be submitted to the Authority.
- iii.** PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal and treatment / air and water pollution / waste-water management.
- iv.** PP needs to ensure that no treated water or any waste sewage shall be discharged into any water body. E-waste shall be disposed through Authorised vendor as per E-waste (*Management and Handling*) Rules, 2011.
- v.** Project Proponent (PP) should necessarily make appropriate provision while constructing the roof-tops at the time of construction stage only to enable installation of solar panels towards south facing walls as and when made applicable in future.
- vi.** The Project Proponent shall utilise fly ash bricks in masonry works.
- vii.** The PP shall use construction debris for land filling wherever applicable.
- viii.** At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- ix.** Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- x.** Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- xi.** Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning, etc. shall be done.
- xii.** Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

- xiii. The PP should install an online monitoring system to check water quality of treated water from the STP in consultation with Goa State Pollution Control Board (GSPB).
- xiv. Solar based electric power shall be provided to each unit for at least two bulbs/light and one fan. As proposed, central lighting and street lighting shall also be based on solar power.
- xv. The project proponent will provide landscape bed of 600mm wide X 600mm deep along the periphery of the plot to carry out plantation of trees. The treated water from the sewage treatment plant will be pumped through high flow drips on these beds to prevent outflow of treated sewage water outside the premises.
4. **M/s Classic Square Reality** in response to post-presentation clarification sought during 85<sup>th</sup> Committee meeting held on 13<sup>th</sup> October 2017 w.r.t. project proposal for permission for proposed construction project (*total plot area – 15,568 sq.mts., BUA – 26,864.86 sq.mts.*) proposed on land bearing P.T. sheet no. 26 of Chalta nos. 3, 3A & 3B of Mapusa before taking any decision in the matter Committee decided to re-visit the site on 25<sup>th</sup> November 2017 in order to check ground reality as on now at the site.
5. **M/s Mangalam Build Developers Ltd.,** for proposed group housing-cum-commercial project – Mangalam Casa Amora (*total BUA – 42,882 sq.mts.*) at survey no. 20/3-A (*total plot area – 32,893 sq.mts.*), Bainguinim village, Tiswadi taluka, North Goa district. Committee conducted site inspection on 16<sup>th</sup> November 2017, Committee directed PP to remove/shift all the temporary huts and tents constructed adjacent to the Kadamba wall and the compliance report of the same should be submitted to the Committee. Accordingly committee decided to re-visit the site to check status as on now on 25<sup>th</sup> November 2017.
6. **Department of Science & Technology (DST) (CBWTF)** seeking Terms of References (ToRs’) for setting up of a common Bio-medical Waste Treatment Facility at Kundaim Industrial Estate vide application dated 5<sup>th</sup> May 2016 and reminder dated 22<sup>nd</sup> September 2016. Goa State Expert Appraisal Committee as decided during its 67<sup>th</sup> meeting held on 7<sup>th</sup> June 2016 conducted the inspection on 9<sup>th</sup> June 2016 to ascertain site-specific details. Subsequently the matter, after referring model ToRs’ suggested by the MoEF & CC, was discussed / deliberated during 68<sup>th</sup> / 69<sup>th</sup> / 70<sup>th</sup> / 71<sup>st</sup> and 73<sup>rd</sup> meetings held during 16<sup>th</sup> June / 12<sup>th</sup> July / 26<sup>th</sup> July / 29<sup>th</sup> July and 1<sup>st</sup> September 2016 and it was impressed upon to visit similar facility operational nearby to understand probable environmental fallouts (i.e. extent of lay-out / details of biomedical waste collection (*category wise*) and transportation mechanism / Air Pollution Control (APC) measures, etc.). Subsequently, representative Committee members visited two such facilities operational in Pune. Subsequently post-inspection observations were discussed during 74<sup>th</sup> Committee

meeting held on 15<sup>th</sup> September 2016 to finalize the Terms of References (ToRs'). Subsequently, ToRs' were communicated to the DST for further needful vide letter no. 3/181/2012/STE-DIR/Part I/EIA-GOA/36 dated 28<sup>th</sup> September 2016. Subsequently, the PP vide letter no. 119-10-2015/STE-DIR/Part I A/SWMC/170 dated 4<sup>th</sup> October 2016 has requested to clarify the nature of EIA to be conducted. The matter was taken up for discussion / deliberation during 80<sup>th</sup> SEAC meeting held on 22<sup>nd</sup> November 2016 and during 84<sup>th</sup> Goa-SEAC meeting held on 08/09/2017 it was decided that the PP needs to undertake comprehensive EIA for the aforesaid project activity. Accordingly, the PP has been sent an e-mail communication on 2<sup>nd</sup> December 2016.

The project proponent vide letter dated 23/10/2017 informed the Committee that they do not propose to construct a landfill and also the project proponent is dropping the construction of landfill as a common hazardous waste treatment storage and disposal facility including landfill proposed at Pissurlem, Sattari, Goa, which will be utilise for the disposal of landfillable waste generated at common biomedical waste treatment facility. As per the guidelines laid down by MoEF & CC On perusal The Committee after detailed and discussions and deliberations decided to approve the ToRs' with a request to the PP to proceed with preparation of rapid EIA for further consideration of the proposal.

- 7. Department of Science & Technology (DST), Goa ( SWMF-Cacora) –** In response to the EC issued for proposed the Municipal Solid Waste Management Facility (MSWMF) at Cacora as well as w.r.t. specific condition referred therein, the firm has submitted the revised EIA document prepared by M/s National Environmental Engineering Research Institute (NEERI), Nagpur on 6<sup>th</sup> June 2016. Based on the site-specific characteristics vis-a-vis the Office Memorandum (O.M.) issued by the Ministry of Environment, Forests and Climate Change (MoEF & CC) vide no. J-11013-36/2014-IA-I dated 10<sup>th</sup> December 2014, the Committee, during its 68<sup>th</sup> meeting held on 16<sup>th</sup> June 2016 has recommended that Public Consultative process is mandated. The committee perused the proceedings of the Public Hearing held on 14<sup>th</sup> November 2017 and noted that the suggestion was to treat wastes only from the Quepem, Sagueum, Dharbandora, Canacona talukas and the other suggestion was that wastes other than from Curcherem constituency should be brought by the vehicles authorised by Goa Waste Management Corporation. During the presentation the PP explained that as per the provision made in the Tender and concession the operator is expected to treat (100 tons and 25% additional waste ) over and above the design capacity at the same cost. Hence though the EIA is prepared for 100 tons per day capacity taking into consideration the fact that the likelihood of increase in waste generation in the

future as well as during festive seasons the environment clearance should be considered 25% capacity. After discussion and deliberation on the same, the Committee decided to recommend the proposal to SEIAA for grant of Fresh environment clearance (EC) as mandated in the EIA Notification, 2006 with following specific conditions :

- i. All new waste shall also be handled under closed sheds with proper lighting and ventilation arrangement.
- ii. A separate storage shed shall be provided to store RDF, Recyclable & Compost.
- iii. A separate Tree Mulcher shall be added to mulch green cuts and garden waste.
- iv. Thermocol & Styrofoam Compactor will be provided to compact the thermocol.
- v. The existing old dump waste of approximate 50,000 tons which is lying at the site to the plant facility needs to be remediated to recover recyclables, compost, inert and RDF. The recovered components shall be scientifically disposed and the land shall be made free of dump or any recovered components within next three years excluding Monsoon period.
- vi. A proper drainage system shall be provided to convey the wash water & spillage from the existing as well as from the proposed units of the facility, to the proposed ETP. There shall be no spill over of such effluent into the Storm water drain. The Storm water drain shall be specifically for the rain water system and it shall be free from any effluent / wash water at any point of time.
- vii. The project proponent shall ensure that the number of trucks carrying waste from the proposed waste catchments area and reaching the MSW processing facility shall be minimum in numbers.
- viii. The project proponent shall install the briquetted manufacturing unit.
- ix. The project proponent shall ensure that tipping floor is completely enclosed.
- x. Waste from Quepem, Canacona, Dharbandora and Sanguem to be treated in the facility
- xi. Transportation plan in closed trucks to ensure minimum number of trucks utilized to transport the waste from other locations to the facility at Cacora.
- xii. The facility will treat a waste not more than 125 tons capacity.

8. **M/s Mahadhan Real Estates LLP** – 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. The said proposal is reverted back by Goa –SEIAA to

Goa- SEAC and further directed Project Proponent to give personal hearing before Goa State Expert Appraisal Committee (Goa-SEAC). After perusing the said communication by Goa SEIAA. The Committee after detailed discussion and due deliberation decided to re-inspect the site on 9<sup>th</sup> December 2017 to decide further course of action in the matter.

9. **Department of Information Technology, Government of Goa**, communication dated 09<sup>th</sup> November 2017 from IT Hub, Panaji Goa regarding applicability of Environmental Clearance under EIA Notification 2006 for proposed Electronic Manufacturing cluster in Tuem Village of Pernem Taluka. Committee perused the communication received from Director, Department of Information Technology, Altinho, Panaji Goa regarding applicability of environmental clearance (EC) under EIA Notification 2006 for the proposed Electronic manufacturing cluster in Tuem, Pernem, Goa. The Committee noted that The applicant has informed that they proposed manufacturing of electronic products such as Telecom products, Nano Electronics, strategic Electronics, Solar photovoltaic including thin film, polysilicon etc light emitting diodes (LED), liquid crystal displays (LCDs), Avionics, Industrial Electronics products, Automotive Electronics, Agri Electronics, Energy Conservation Electronics, Opto-Electronics, Bio metric and identify devices/RFID, Power supplies for ESDM products and none of this activity or is classified as Category A or Category B under the schedule of the EIA Notification 2006 . Further, considering the fact that total plot area acquired (*i.e.* 5,97,125 Sq.mts = 59.71 Ha.) and proposed for Electronic System Design and Manufacturing (ESDM) sector at Tuyem, Pernem is less than 500 Ha., (*refer 'Schedule' attachment*), the Committee is of the view that such developmental project does not come under the mandate of EIA Notification, 2006 in view of the specific provision at column V of 7(c) "Note 'Industrial Area having area of below 500Ha and not housing in any industry of Category A and B does not require Environmental Clearance. Accordingly in view of the above committee decided to communicate the Project Proponent.
10. Further it is decided to open & Operate a new savings bank account in HDFC bank for the levy administration-cum-processing charges from the project proponent seeking prior Environment Clearance under various project categories, @ 5% of entire project cost limited to maximum of Rs. 25,000/- per project authorised by Secretary (Goa-SEAC) and Member Secretary (Goa-SEIAA).

The meeting ended with vote of thanks to the Chair.

**Dr. Nitin S. Sawant**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Dr. C.U. Rivonker**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

**Prof. M.K. Janarthanam**

\_\_\_\_\_ *Sd/-* \_\_\_\_\_

*Sd/-*  
**Shri. Sanjeev Joglekar)**  
(Secretary Goa-SEAC)

*Sd/-*  
**Shri. Suhas Godse**  
(Chairman Goa-SEAC)

Place: Patto, Panaji  
Date: November 2017

## ANNEXURE – I

### **List of members who attended the 86<sup>th</sup> Goa –SEAC meeting held on 23<sup>rd</sup> November 2017**

1. Shri. Suhas Godse, Taleigao - *Chairman (Goa-SEAC)*
2. Dr. Nitin S. Sawant, Porvorim - *Member (Goa-SEAC)*
3. Prof. M.K. Janarthanam, Taleigao - *Member (Goa-SEAC)*
4. Dr. C.U. Rivonker, Margao - *Member (Goa-SEAC)*
5. Shri. Sanjeev Joglekar, Panaji - *Secretary (Goa-SEAC)*