

STATUS OF ENVIRONMENTAL CLEARANCES (SEIAA) 02/06/2011

SR. NO.	PARTICULARS	DATE	PAGE NOS.
1.	M/s Goa Cricket Association (GCA), Rizvi Sadan, 2 nd Floor, Near Municipal Market, Panaji, Goa – 403 001	25/03/2011	2 – 5
2.	M/s ALCON Constructions (Goa) Pvt. Ltd., Sukerkar Mansion, 1 st Floor, M. G. Road, Panaji, Goa – 403 001	19/05/2011	6 - 9
3.	M/s Gera Developments Pvt. Ltd., 200, Gear Plaza, Boat Club Road, Pune – 411 001	19/05/2011	10- 14
4.	M/s Buildmore Infrastructure India Pvt. Ltd., A/6, Skylark Apartments, Menezes Braganza Road, Panaji, Goa – 403 001	19/05/2011	15 - 18
5.	M/s Rockfirst Real Estate Ltd., 1, Peninsula Spenta, Mathurdas Mills, Senapati Bapat Marg, Lower Parel, Mumbai – 400 013	19/05/2011	19 – 20
6.	M/s Nitin Developers Pvt. Ltd., C/o Soares & Associates, G-1, Vikas Building, 18 th June Road, Panaji, Goa – 403 001	19/05/2011	21 - 22
7.	M/s K. Raheja Universal Pvt. Ltd., Raheja Centre–Point 294, C.S.T. Road, Near Mumbai University, Off Bandra-Kurla Complex, Santacruz (E) – Mumbai – 400 098	02/06/2011	23 - 24



**No. 3/181/2010/STE-DIR/
Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 25th March, 2011

To,
**M/s Goa Cricket Association (GCA),
Rizvi Sadan, 2nd Floor,
Near Municipal Market,
Panaji, Goa – 403 001**

Sub.: Proposed construction of international cricket stadium in 32 acres of land in Acoi village near Thivim in Bardez taluka of North Goa district – reg.,

Sir / Madam,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a), on the basis of the documents enclosed with application viz. Form 1, Form 1A, Conceptual plan as well as additional clarifications furnished in response to the observations made by the Goa State Expert Appraisal Committee (Goa-SEAC) in its first meeting held on 5th January 2011 and Goa State Environment Impact Assessment Authority (Goa-SEIAA) in its first meeting held on 24th February 2011.

2. It is noted that the proposal is for grant of prior Environmental Clearance (EC) for proposed construction of international cricket stadium at Thivim in Bardez taluka by M/s Goa Cricket Association (GCA). Project details and salient features of the proposed developmental activity is as under –

- (i) Total plot area – 1,30,328 sq. mt. (32 acres)
- (ii) Total built-up area – 45,087.59 sq. mt. (35%)
- (iii) Proposed ground coverage – 32,183 sq. mt. (22%)
- (iv) Total parking area – 24,911 sq. mts.
- (v) Total green area – 1,00,352.56 sq. mt.(77%)

- (vi) Estimated cost – 160 crores

- (vii) Seating capacity – 46, 575 seats
- (viii) Total parking (open and enclosed) – 668 cars, 198 two-wheelers
- (ix) Water requirement – 1221 KLD – during Games
493 KLD – during normal days

- (x) Total waste-water generated – 1050 KLD to be treated using 1260 KLD Sewage Treatment Plant (STP) on SAFF (Submerged Aerated Fixed Film) technology which will generate 840 KLD of treated water to be used for flushing and landscape.

- (xi) Rainwater Harvesting (RWH) initiatives – (1) 32 rainwater harvesting pits are proposed for artificial rainwater recharge. (2) Desilting tanks and Recharge wells are proposed
- (xii) Power requirement – 3223 KVA to be sourced through Electricity Department, Government of Goa. During emergency, proposed to be backed up with 3 DG sets of 1250 KVA each.
- (xiii) Solid waste generated – 6835 kg/day (during games) and 963 kg/day (during normal days)

3. Further and based on the recommendations of the Goa-SEAC; Goa-SEIAA has decided to accord prior environmental clearance to the said project under the provision of the Environment Impact Assessment (EIA) Notification, 2006; subject to compliance to the following “**General Conditions**”:-

- a. Nutrient-rich top soil excavated during the construction phase be separately dumped/stored within the project area and be utilized during landscape development instead of using the same as filling material/reclamation. Accordingly, Project Proponent (PP) should estimate approximate tonnage / volume of top soil required to be excavated along with the plan indicating the location where such topsoil is proposed to be stockpiled as well as indicate/furnish proposed plan for its utilization towards landscaping.
- b. The PP should use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- c. The Project Proponent (PP) should necessarily explore the possibility of energy conservation by tapping solar-based or hybrid energy sources towards power requirement.
- d. PP should adopt roof-top rainwater harvesting / conservation measures in the form of storing the harvested water so as to optimally utilize the water availability by constructing sumps for collection of rainwater or by collecting water in large polythene tanks thereby saving on utilization of tap water. Accordingly, PP should furnish approximate quantity of the water proposed to be stored / conserved which should be proportionate with the available rainfall within the developmental area. This should be in addition to structures, proposed if any, namely recharge-pits which would recharge the groundwater aquifers. Thus, PP should submit a plan demarcating the areas for water storage / bore well location & groundwater recharge structures / STP installation, etc.
- e. As a Corporate Social Responsibility (CSR), the PP should establish / assist in establishing a non-project based infrastructure facility for nearby society / community / local authority and set-up a precedent for other competitors so as to achieve bottom-top approach.
- f. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal & treatment / air & water pollution / waste-water management.
- g. PP should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local site-specific plant species and which are not alien to the local environment. No any varieties of acacia be used either as avenue plantations or as live-fencing.

- h. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its landuse categorization/zoning.
 - i. PP should also submit half-yearly compliance report(s) in hard as well as soft copy format to the O/o the Goa-SEAC and Goa-SEIAA for the period upto project completion so as to enable project monitoring during the construction phase.
4. In addition, certain “**Specific Conditions**” to be complied with by the project proponent are as under:-
 - a. Compliance to the High Court directives in the matter related to the Writ Petition No. 321/2010 and PIL W. P. No. 14/2010 filed in the Hon’ble High Court of Goa at Bombay by M/s Goa Foundation as well as other Writ Petitions filed, if any.
 - b. Compliance to the approvals/clearances from Statutory Authorities concerned in the Government of Goa, Ministry of Environment & Forests (MoEF) or Government of India.
 - c. Submission of the Geotechnical soil analysis/report to ascertain the soil characteristics as well as groundwater status and its recharge potential.
 - d. Provision for an alternate exit-road / secondary road along the north-east periphery of the plot boundary to minimize traffic congestion / vehicular movement.
 - e. Submission of location-specific details of the proposed bore well as well as 32 numbers of rainwater harvesting pits, superimposed on the contour map of the proposed plot area on a decipherable scale (1:500).
 - f. Provision for exclusive fire-escape routes / staircase to avoid stampede during unforeseen eventualities.
5. Further, the project proponent has been advised as regard to the following :
 - a. ‘Consent to Establish’ shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the O/o the Goa-SEAC and Goa-SEIAA, before start of any construction work at site.
 - b. Permission to draw groundwater, if any, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) prior to construction/ operation of the project.
 - c. Project proponent shall not make any change in the Layout Plan / Master Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and/or otherwise, the project would require a fresh appraisal by the competent authority, as applicable.
 - d. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi / Konkani language within seven days of the receipt of this letter, informing that the project has been accorded prior environmental clearance (EC) and the copies of the clearance letter are available on the DST&E website.
 - e. The environmental clearance is being issued without prejudice to the court case pending in the Court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon’ble Court will be binding on the project proponent. Hence this EC does not give immunity to the project proponent in the case filed against it.

- f. The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- g. Validity of the Environmental Clearance (EC) accorded shall be for a period of 05 (five) years from the date of its issue.
- h. Any appeal against this prior environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997 (Central Act 22 of 1997); or before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010)

Yours faithfully,

Sd/-

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**

No. 3/181/2010/STE-DIR/206

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 19th May 2011

To,

**M/s ALCON Constructions (Goa) Pvt. Ltd.,
Sukerkar Mansion,
1st Floor, M. G. Road,
Panaji, Goa – 403 001**

Sub.: Proposed construction of 250-bedded hospital-cum-42-rooms hotel (G + 05 floors & Basement) at Taleigao of Tiswadi taluka North Goa district – reg.,

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1 and Form 1A (without conceptual plan) as well as in response to the observations made by the Goa State Expert Appraisal Committee (Goa-SEAC) in its first meeting held on 5th January 2011 and Goa State Environment Impact Assessment Authority (Goa-SEIAA) in its first meeting held on 24th February 2011.

2. It is noted that the proposal is for grant of prior Environmental Clearance (EC) for proposed construction of Hospital-cum-Hotel in Survey Nos. 112/1, 112/1(part) in Taleigao village of Tiswadi taluka by M/s. ALCON Constructions (Goa) Pvt. Ltd., Project details and salient features of the proposed developmental activity is as under –

- a. Total plot area – 11,988.67 sq. mt. (effective – 10,245.53 sq. mt.)
- b. Total built-up area – 27,958.90 sq. mt. (upto 5th floor)
- c. Proposed open space – 1,542.38 sq. mt. (15.05%)
- d. Proposed ground coverage – 3,618 sq. mt. (35.32%)
- e. Proposed FAR – 21,837.64 sq. mt.
- f. Excavation proposed - about 30,393 m³ of earth would be removed / excavated.
- g. Raft foundation is proposed with safe bearing capacity of 10 T/sq.mt.
- h. Heating Ventilation Air Conditioning (HVAC) system is proposed.
- i. Internal road with 10 mt. width and parking space proposed for 420 nos. of vehicles. Well-engineered storm-water drainage system is proposed. 60 trees are proposed to be Planted.
- j. Intermediate STP with Moving Bed Bio-Reactor (MBBR) technology is proposed – part treated sewage to transfer to authorized STP to St.inez – total treated sewage is 235 cmd, 209 cmd to be reused for gardening, flushing, AC-cooling. 26 cmd to disposed

into sewers.

k. Water requirement – 9 cmd (Construction) 452 cmd (operation)

l. Total waste-water generated – 1.6 (Construction) 247 cmd (Operation)

m. Power requirement – 25 KW (Construction)

- 780 KW (Operation)

Back-up power through diesel generator of 750 KVA.

n. Solid waste generated – 1 – 3 MT/d (Construction)

Operation phase - 63 kg/d – Biomedical and 570 kg.d – domestic waste.

Organic Waste Converter (OWC) is proposed for biodegradable waste.

o. Environment Management Plan (EMP) has been proposed.

3. Further and based on the recommendations of the Goa-SEAC; Goa-SEIAA has decided to accord prior environmental clearance to the said project under the provision of the Environment Impact Assessment (EIA) Notification, 2006; subject to compliance to the following “**General Conditions**”:-

- j. Nutrient-rich top soil excavated during the construction phase be separately dumped/stored within the project area and be utilized during landscape development instead of using the same as filling material/reclamation. Accordingly, Project Proponent (PP) should estimate approximate tonnage / volume of top soil required to be excavated along with the plan indicating the location where such topsoil is proposed to be stockpiled as well as indicate/furnish proposed plan for its utilization towards landscaping.
- k. The PP should use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- l. The Project Proponent (PP) should necessarily explore the possibility of energy conservation by tapping solar-based or hybrid energy sources towards power requirement.
- m. PP should adopt roof-top rainwater harvesting / conservation measures in the form of storing the harvested water so as to optimally utilize the water availability by constructing sumps for collection of rainwater or by collecting water in large polythene tanks thereby saving on utilization of tap water. Accordingly, PP should furnish approximate quantity of the water proposed to be stored / conserved which should be proportionate with the available rainfall within the developmental area. This should be in addition to structures, proposed if any, namely recharge-pits which would recharge the groundwater aquifers. Thus, PP should submit a plan demarcating the areas for water storage / bore well location & groundwater recharge structures / STP installation, etc.
- n. As a Corporate Social Responsibility (CSR), the PP should establish / assist in establishing a non-project based infrastructure facility for nearby society / community / local authority and set-up a precedent for other competitors so as to achieve bottom-top approach.
- o. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal & treatment / air & water pollution / waste-water management.
- p. PP should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local site-specific plant species and which are not alien to the local environment. No any varieties of *acacia* be used either as avenue plantations or as live-fencing.

- q. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its landuse categorization/zoning.
 - r. PP should also submit half-yearly compliance report(s) in hard as well as soft copy format to the O/o the Goa-SEAC and Goa-SEIAA for the period upto project completion so as to enable project monitoring during the construction phase.
6. In addition, certain “**Specific Conditions**” to be complied with by the project proponent are as under:-
- a. The proposed plot area, being an abandoned waste dumping site, 5 to 6 m of top material is organic-rich fertile soil and should be utilized for landscaping development in non-construction areas.
 - b. The project proponent (PP) must ensure that the effluents / waste water in the adjoining St. Inez nallah should not infiltrate within the project site and contaminate the groundwater quality as *E. Coli* concentration and Fe content is reported to be higher in the bore-well water. Accordingly, PP should indicate the modus operandi / technological intervention to be adopted to tackle high bacteriological concentration in water, as it is likely to contaminate operation theatre (OT) and other sensitive zones.
 - c. PP, on priority, should beautify the St.Inez nallah and its surrounding as well as sufficiently widen the approach road to the site.
 - d. The proposed site, being very low-lying area, bears a sandy aquifer regime and as such, it is advisable to built individual sump rather than soak pits to treat waste-water effectively.
7. Further, the project proponent has been advised as regard to the following :
- a. ‘Consent to Establish’ shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the O/o the Goa-SEAC and Goa-SEIAA, before start of any construction work at site.
 - b. Permission to draw groundwater, if any, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) prior to construction/ operation of the project.
 - c. Project proponent shall not make any change in the Layout Plan / Master Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and/or otherwise, the project would require a fresh appraisal by the competent authority, as applicable.
 - d. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized for the same.
 - e. Project proponent shall make suitable provisions for waste water treatment and storm water disposal independently.
 - f. The diesel generator sets to be used during construction / after commissioning should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

- g. The installation of the Sewage Treatment Plant (STP) should be certified by the Goa State Pollution Control Board (GSPCB) and a report in this regard should be submitted to the Authority before the project is commissioned for operation.
- h. Project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi / Konkani language within seven days of the receipt of this letter, informing that the project has been accorded prior environmental clearance (EC) and the copies of the clearance letter are available on the DST&E website.
- i. The environmental clearance is being issued without prejudice to the court case pending in the Court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble Court will be binding on the project proponent. Hence, this EC does not give immunity to the project proponent in the case filed against it.
- j. The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- k. Validity of the Environmental Clearance (EC) accorded shall be for a period of 05 (five) years from the date of its issue.
- l. Any appeal against this prior environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997 (Central Act 22 of 1997); or before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010)

Yours faithfully,

Sd./-

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**

No. 3/181/2010/STE-DIR/207

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 19th May 2011

To,

**M/s Gera Developments Pvt. Ltd.,
200, Gear Plaza,
Boat Club Road,
Pune – 411 001**

Sub.: Proposed construction of premium housing in Survey No. 33 of Khandola village in Ponda taluka of North Goa district – reg.,

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1 and Form 1A (*without Conceptual Plan*) as well as observations made by the Goa State Expert Appraisal Committee (Goa-SEAC) in its first meeting held on 5th January 2011 and Goa State Environment Impact Assessment Authority (Goa-SEIAA) in its first meeting held on 24th February 2011.

2. It is noted that the proposal is for grant of prior Environmental Clearance (EC) for proposed construction of premium housing in Survey No. 33 of Khandola village in Ponda taluka. Project details and salient features of the proposed developmental activity is as under –

- a. Total / Net plot area – 1,21,383.27 sq. mts. (no area under road widening)
- b. Proposed open space – 41,949.52 sq. mts.
- c. Proposed coverage – 22,497.16 sq. mts. (18.53%)
- d. FAR consumed – 0.69% (permissible is 0.80%)
- e. Permissible FSI – 97,106.62 sq. mts. (80%)

- f. Expected total occupancy – About 750
- g. Parking provide for 1013 vehicles.

- h. Out of 414 trees existing on site and project proponent proposes to maintain the maximum number.

- i. Geotechnical investigation was carried out by College of Engineering, Pune and the inference was made through 16 boreholes (max. depth – 10 mt.). No Groundwater is encountered upto the depth of 10 mts. below GL.

- j. Isolated type of foundation is proposed at an average depth of 2.5 mt. below GL with a net allowable bearing capacity of 27 T/sq.mt. (with max. settlement upto 25 mm).

- k. Water requirement – During Construction phase – 50 cmd (5 cmd for domestic use

- and 45 cmd for construction purpose)
- During operational phase - 212 cmd (90 cmd through PWD supply, 122 cmd through recycled water)
- l. There is a single seasonal nala passing through the proposed site as such, its drainage pattern will not be disturbed.
- m. Solid waste generation – 1 – 3 MT./day (construction)
1468 kg/day (on Operation) – to be vermicomposted.
About 10 kg/day sludge generated from STP is to be composted on-site.
- n. Total waste-water generated – about 4 cmd during construction phase.
- o. Sewage Treatment Plant (STP) of treating capacity of 130 cmd based with SAFF technology is proposed – Treated water (about 122 cmd) to be utilized for landscaping and flushing. Dual plumbing system is proposed for PWD water supply and use of treated waste-water.
- p. The project proponent proposes rain water harvesting (RWH) for effective recharge of GW through construction of –
 1. Pond with recharge bore of 45,000 liters capacity.
 2. Tank of 70,000 liters capacity (Zone C) and 66,000 liters for Zone F.
- q. Power requirement (to be sourced from Goa Electricity Dept.)
– Construction phase – 50 KW and Operation phase – 2037 KVA
Back-up power through two DG sets of 40 KVA and 82.5 KVA capacities.
- r. Energy efficient electrical and Heating Ventilation Air Conditioning (HVAC) system is proposed towards energy conservation.
- s. Environment Management Plan (EMP) has been proposed.

3. Further and based on the recommendations of the Goa-SEAC; Goa-SEIAA has decided to accord prior environmental clearance to the said project under the provision of the Environment Impact Assessment (EIA) Notification, 2006; subject to compliance to the following “**General Conditions**”:-

- s. Nutrient-rich top soil excavated during the construction phase be separately dumped/stored within the project area and be utilized during landscape development instead of using the same as filling material/reclamation. Accordingly, Project Proponent (PP) should estimate approximate tonnage / volume of top soil required to be excavated along with the plan indicating the location where such topsoil is proposed to be stockpiled as well as indicate/furnish proposed plan for its utilization towards landscaping.
- t. The PP should use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- u. The Project Proponent (PP) should necessarily explore the possibility of energy conservation by tapping solar-based or hybrid energy sources towards power requirement.
- v. PP should adopt roof-top rainwater harvesting / conservation measures in the form of storing the harvested water so as to optimally utilize the water availability by constructing sumps for collection of rainwater or by collecting water in large polythene tanks thereby saving on utilization of tap water. Accordingly, PP should furnish approximate quantity of the water proposed to be stored / conserved which

should be proportionate with the available rainfall within the developmental area. This should be in addition to structures, proposed if any, namely recharge-pits which would recharge the groundwater aquifers. Thus, PP should submit a plan demarcating the areas for water storage / bore well location & groundwater recharge structures / STP installation, etc.

- w. As a Corporate Social Responsibility (CSR), the PP should establish / assist in establishing a non-project based infrastructure facility for nearby society / community / local authority and set-up a precedent for other competitors so as to achieve bottom-top approach.
- x. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal & treatment / air & water pollution / waste-water management.
- y. PP should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local site-specific plant species and which are not alien to the local environment. No any varieties of *acacia* be used either as avenue plantations or as live-fencing.
- z. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its landuse categorization/zoning.
- aa. PP should also submit half-yearly compliance report(s) in hard as well as soft copy format to the O/o the Goa-SEAC and Goa-SEIAA for the period upto project completion so as to enable project monitoring during the construction phase.

8. In addition, certain “**Specific Conditions**” to be complied with by the project proponent are as under:-

- a. The PP although, has submitted the ‘Sanad’, however, it should submit the sale deed / power of attorney indicating the ownership status of the said plot area.
- b. Geotechnical report (Annexure – III) enclosed with the project proposal does not mention about (a) bore hole location and (b) soil profile. As such, it needs to be re-submitted, preferably superimposed on contour map on 1:500 scale of the proposed plot area.
- c. The PP should opt for additional provision towards storage of optimum quantity of rainwater to be utilized during fair-weather season, considering the post-project usage of water. Accordingly, PP should indicate the site-specific locations of storage tanks, recharge pond, existing water body, as applicable, without affecting the natural drainage / storm water flow.

9. Further, the project proponent has been advised as regard to the following :

- a. ‘Consent to Establish’ shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the O/o the Goa-SEAC and Goa-SEIAA, before start of any construction work at site.
- b. Permission to draw groundwater, if any, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) prior to construction/ operation of the project.
- c. Project proponent shall not make any change in the Layout Plan / Master Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and/or otherwise, the project would require a fresh appraisal by the competent authority, as applicable.

- d. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized for the same.
- e. Premium housing complex, if independent units, should have adequate distance between them to allow movement of fresh air and passage of light to the residential premises.
- f. Project proponent shall make suitable provisions for waste water treatment and storm water disposal independently.
- g. Necessary permission/consent/approval, as the case may be, shall be obtained from the State Fire Department for providing safety measures before allotment of premises for residential purpose in the complex.
- h. The diesel generator sets to be used during construction / after commissioning should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- i. The installation of the Sewage Treatment Plant (STP) should be certified by the Goa State Pollution Control Board (GSPCB) and a report in this regard should be submitted to the Authority before the project is commissioned for operation.
- j. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.
- k. The PP shall enter into Memorandum of Understanding (MoU) with all buyers of the property, if any, to ensure operation and maintenance of the STP and other assets.
- l. Project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi / Konkani language within seven days of the receipt of this letter, informing that the project has been accorded prior environmental clearance (EC) and the copies of the clearance letter are available on the DST&E website.
- m. The environmental clearance is being issued without prejudice to the court case pending in the Court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble Court will be binding on the project proponent. Hence, this EC does not give immunity to the project proponent in the case filed against it.
- n. The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- o. Validity of the Environmental Clearance (EC) accorded shall be for a period of 05 (five) years from the date of its issue.

- p. Any appeal against this prior environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997 (Central Act 22 of 1997); or before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010)

Yours faithfully,

Sd. /-

(Michael M. D'Souza)

Director/Ex-officio Jt. Secy. (STE) &

No. 3/181/2010/STE-DIR/208

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 19th May 2011

To,

M/s Buildmore Infrastructure India Pvt. Ltd.,
A/6, Skylark Apartments,
Menezes Braganza Road,
Panaji, Goa – 403 001

**Sub.: Proposed construction of Residential-cum-Commercial complex at Khorlim near
Mapusa in Bardez taluka of North Goa district – reg.,**

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1, Form 1A and Conceptual Plan as well as observations made by the Goa State Expert Appraisal Committee (Goa-SEAC) in its first meeting held on 5th January 2011 and Goa State Environment Impact Assessment Authority (Goa-SEIAA) in its first meeting held on 24th February 2011.

2. It is noted that the proposal is for grant of prior Environmental Clearance (EC) for proposed construction of residential-cum-commercial complex in Survey Nos. 5/1 and 5/2 of P. T. Sheet no. 144 of Khorlim area near Mapusa in Bardez taluka. Project details and salient features of the proposed developmental activity is as under –

- a. Total plot area – 9,416 sq. mt.
- b. Total built-up area – 27,267.49 sq. mt.
- c. Proposed open space – 1521 sq. mt. (more than 15%)
- d. Proposed coverage – 3185 sq. mt. (less than 40%)
- e. FAR consumed – 18,826 sq. mt.
- f. Expected total occupancy – 1509 (combined)
- g. Geotechnical soil investigation as carried out through 03 boreholes (max. depth – 12 mt.). Groundwater is encountered at about 2.5 mt. below ground level.
- h. Amount of earth excavation - about 16,000 m³ of earth would be removed / excavated.
- i. Spread foundation is proposed at an average depth of 1.5 mt. – 2.5 mt. with a net allowable bearing capacity of 17 to 35T/sq.mt. (with max. settlement between 30 mm – 70 mm.). Alternatively, Raft foundation is proposed at 1.5 mt. depth with net allowable \ bearing capacity of 12T/sq. mt.
- j. Heating Ventilation Air Conditioning (HVAC) system is proposed.

- k. Water requirement – During Construction phase - 9 cmd (2 for domestic use and 7 for construction purpose)
 - During operational phase - 147 cmd (79.6 through PWD supply, 67.4 through recycled water)
- l. Total waste-water generated – 122 cmd. from which 117 cmd is expected to be generated as treated water. STP of treating capacity of 130 cmd based on Moving Bed Bio-Reactor (MBBR) technology is proposed – Treated water (about 67.4 cmd) to be utilized for landscaping and flushing and remaining (49.8 cmd) to be discharged into municipal sewer. STP would generate about 5 kg./day of sludge.
- m. Power requirement (to be sourced from Goa Electricity Dept.)
 - Construction phase – 200 KVA
 - Operation phase – 5 KVA
 Back-up power through DG sets of 250 KVA capacity
- n. Solid waste generated – 1 – 3 MT./day (Construction)
 - 491 kg/day (on Operation)
 Organic Waste Convertor (OWC) is proposed to treat and dispose-off biodegradable waste.
- o. Environment Management Plan (EMP) has been proposed.

3. Further and based on the recommendations of the Goa-SEAC; Goa-SEIAA has decided to accord prior environmental clearance to the said project under the provision of the Environment Impact Assessment (EIA) Notification, 2006; subject to compliance to the following “**General Conditions**”:-

- bb. Nutrient-rich top soil excavated during the construction phase be separately dumped/stored within the project area and be utilized during landscape development instead of using the same as filling material/reclamation. Accordingly, Project Proponent (PP) should estimate approximate tonnage / volume of top soil required to be excavated along with the plan indicating the location where such topsoil is proposed to be stockpiled as well as indicate/furnish proposed plan for its utilization towards landscaping.
- cc. The PP should use Ready-Mixed Concrete (RMC) to minimize air / water / land pollution and water usage during the construction phase.
- dd. The Project Proponent (PP) should necessarily explore the possibility of energy conservation by tapping solar-based or hybrid energy sources towards power requirement.
- ee. PP should adopt roof-top rainwater harvesting / conservation measures in the form of storing the harvested water so as to optimally utilize the water availability by constructing sumps for collection of rainwater or by collecting water in large polythene tanks thereby saving on utilization of tap water. Accordingly, PP should furnish approximate quantity of the water proposed to be stored / conserved which should be proportionate with the available rainfall within the developmental area. This should be in addition to structures, proposed if any, namely recharge-pits which would recharge the groundwater aquifers. Thus, PP should submit a plan demarcating the areas for water storage / bore well location & groundwater recharge structures / STP installation, etc.

- ff. As a Corporate Social Responsibility (CSR), the PP should establish / assist in establishing a non-project based infrastructure facility for nearby society / community / local authority and set-up a precedent for other competitors so as to achieve bottom-top approach.
- gg. PP should prioritize the issues related to health and hygiene in complying with the matters related to waste disposal & treatment / air & water pollution / waste-water management.
- hh. PP should not disturb the natural drainage and as far as possible maintain the original topography while designing for landscape development by planting local site-specific plant species and which are not alien to the local environment. No any varieties of *acacia* be used either as avenue plantations or as live-fencing.
- ii. PP should clarify any issue related to public objections, if any, and should not conceal the scientific facts in light of the proposed developmental activity vis-à-vis its landuse categorization/zoning.
- jj. PP should also submit half-yearly compliance report(s) in hard as well as soft copy format to the O/o the Goa-SEAC and Goa-SEIAA for the period upto project completion so as to enable project monitoring during the construction phase.

10. In addition, certain “**Specific Conditions**” to be complied with by the project proponent are as under:-

- a. PP should opt for additional provision towards storage of optimum quantity of rainwater to be utilized during fair-weather season, considering the post-project usage of water.
- b. The bore well drilled to carry out geotechnical soil investigation be recharged suitably and be utilized in case of need-based urgency.

11. Further, the project proponent has been advised as regard to the following :

- a. ‘Consent to Establish’ shall be obtained from the Goa State Pollution Control Board (GSPCB) under Air Act and Water Act, as applicable and a copy shall be submitted to the O/o the Goa-SEAC and Goa-SEIAA, before start of any construction work at site.
- b. Permission to draw groundwater, if any, shall be obtained from the Groundwater Cell of the Water Resources Department (WRD) prior to construction/ operation of the project.
- c. Project proponent shall not make any change in the Layout Plan / Master Plan submitted to the Authority without its prior permission. In case of any change(s) in the scope of the project and/or otherwise, the project would require a fresh appraisal by the competent authority, as applicable.
- d. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized for the same.
- e. Residential-cum-commercial complex, if independent units, should have adequate distance between them to allow movement of fresh air and passage of light to the residential premises.
- f. Project proponent shall make suitable provisions for waste water treatment and storm water disposal independently.

- g. Necessary permission/consent/approval, as the case may be, shall be obtained from the State Fire Department for providing safety measures before allotment of premises for residential purpose in the complex.
- h. The diesel generator sets to be used during construction / after commissioning should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- i. The installation of the Sewage Treatment Plant (STP) should be certified by the Goa State Pollution Control Board (GSPCB) and a report in this regard should be submitted to the Authority before the project is commissioned for operation.
- j. These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.
- k. The PP shall enter into Memorandum of Understanding (MoU) with all buyers of the property, if any, to ensure operation and maintenance of the STP and other assets.
- l. Project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi / Konkani language within seven days of the receipt of this letter, informing that the project has been accorded prior environmental clearance (EC) and the copies of the clearance letter are available on the DST&E website.
- m. The environmental clearance is being issued without prejudice to the court case pending in the Court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble Court will be binding on the project proponent. Hence, this EC does not give immunity to the project proponent in the case filed against it.
- n. The Authority reserves the right to add any stringent conditions or to revoke the EC, if conditions stipulated are not implemented / complied with to the satisfaction of the Authority or for that matter, for any other administrative reasons.
- o. Validity of the Environmental Clearance (EC) accorded shall be for a period of 05 (five) years from the date of its issue.
- p. Any appeal against this prior environmental clearance shall lie with the National Environmental Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environmental Appellate Act, 1997 (Central Act 22 of 1997); or before the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010 (Central Act 19 of 2010)

Yours faithfully,

Sd. / -

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**

No. 3/181/2010/STE-DIR/205

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 19th May 2011

To,

**M/s Rockfirst Real Estate Ltd.,
1, Peninsula Spenta,
Mathurdas Mills,
Senapati Bapat Marg,
Lower Parel, Mumbai – 400 013**

**Sub.: Proposed construction of Residential apartments “Ashoka Beleza” (G + 3 floors) in
Survey no. 57/1 of Reis Magos village in Bardez taluka of North Goa district. – reg.,**

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1, Form 1A and Conceptual Plan.

2. It is understood that the proposal is for a grant of prior Environmental Clearance (EC) for construction of Residential apartments “Ashoka Beleza” (G + 3 floors) proposed in Survey no. 57/1 of Reis Magos village in Bardez taluka. Accordingly, the Goa-SEAC has made the following observations after undertaking the site-inspection of the plot area proposed for the aforesaid developmental activity.

- a. The proposed project in plot “A” appears to be an extension of the ongoing work, being developed, within two adjacent plots namely – ‘B’ and ‘C’ and is seeking prior Environmental Clearance (EC) for the same, as the built-up area taken together (A+B+C), exceeds 20,000 sq. m. as per the EIA Notification, 2006.
- b. Almost 30% of the total plot area has been developed and as a result, appreciable proportion of naturally grown vegetation (i.e. green cover) has been lost along the hill-slopes.
- c. It is advisable to re-design the rainwater-storage tanks proposed in the already developed area (i.e. ‘B’ & ‘C’ portion) so as to account for suitable water storage, as one of the rainwater harvesting measures.

Accordingly, the matter was deliberated during the first Goa-SEAC meeting held on 5th January 2011, wherein the proponent was also requested to make a brief presentation on the proposed developmental activity and has recommended not to consider the project proposal to issue prior EC owing to the fact that the construction activity proposed in plot ‘A’ is in contiguity with plots ‘B’ and ‘C’, which are being developed and are in various stages of its development. Hence, the EC, if granted for plot ‘A’, would be construed as EC

granted/applicable for the entire developmental activity in all the three plots, namely 'A', 'B' & 'C'.

Based on the above submission, the Goa-SEIAA, during its first meeting held on 24th February 2011, has upheld the recommendation of the Goa-SEAC **not to accord** prior EC for the said project proposal.

This issues with the approval f the Government.

Yours faithfully,

Sd. / -

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**

No. 3/181/2010/STE-DIR/204

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 19th May 2011

To,

**M/s Nitin Developers Pvt. Ltd.,
C/o Soares & Associates,
G-1, Vikas Building,
18th June Road,
Panaji, Goa – 403 001**

Sub.: Proposed construction of Residential complex in Socorro village of Bardez taluka of North Goa district – reg.,

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1, Form 1A and Conceptual Plan as well as subsequent submissions made by the project proponent.

2. It is understood that the proposal is for a grant of prior Environmental Clearance (EC) for construction of Residential complex in Survey Nos. 402/2, 404/5 and 402/2-C of Socorro village in Bardez taluka. Accordingly, the Goa-SEAC has made the following observations after undertaking the site-inspection of the plot area proposed for the aforesaid developmental activity.

- a. Project Proponent (PP) is seeking prior EC from the Goa-SEIAA for the extension of the ongoing construction / development as the built-up area, with the proposed extension tends to exceed 20,000 sq. m. as per the EIA Notification, 2006.
- b. Almost 60% 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.
- c. 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).
- d. There exists a nallah along the northern boundary of the plot which may get affected / flooded / silted / diverted during monsoon owing to large-scale storm-water movement / soil erosion.

Accordingly, the matter was deliberated during the first Goa-SEAC meeting held on 5th January 2011 and has recommended not to consider the project proposal to issue prior EC owing to the fact that the construction activity proposed, for which the prior EC is sought, is an extension of the on-going work which is already being undertaken within the said plot area. As

such, the EC, if granted would be construed as EC granted/applicable for the entire developmental activity, including the proposed extension.

Based on the above submission, the Goa-SEIAA, during its first meeting held on 24th February 2011, has upheld the recommendation of the Goa-SEAC not to accord prior EC for the said project proposal.

This issues with the approval of the Government.

Yours faithfully,

Sd./ -

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**

No. 3/181/2010/STE-DIR/275

**Goa State Environment Impact Assessment Authority (Goa-SEIAA),
O/o Department of Science, Technology & Environment (DST&E),
(Government of Goa)
Opposite Saligao Seminary,
Saligao, Bardez,
Goa – 403 511**

Date: 2nd June 2011

To,

M/s K. Raheja Universal Pvt. Ltd.,
Raheja Centre–Point 294,
C.S.T. Road, Near Mumbai University,
Off Bandra-Kurla Complex, Santacruz (E) – Mumbai – 400 098

Sub.: Proposed construction of Residential project “Raheja Chrysalis” in Carmona village of Salcete Taluka in South Goa district. – reg.,

Sir,

I am directed to refer to your application seeking prior environmental clearance (EC) for the above project under the EIA Notification, 2006. Accordingly, the above proposed has been screened and appraised under Category 8 (a) on the basis of the documents enclosed with application viz. Form 1, Form 1A and Conceptual Plan.

2. It is understood that the proposal is for a grant of prior Environmental Clearance (EC) for construction of Residential project “Raheja Chrysalis” in survey nos. 64/1 and 67/1 of Carmona village, Salcete taluka, South Goa. Accordingly and based on the observation of the Goa-SEAC vis-à-vis site inspection carried out by the Goa-SEIAA, it has been noted that -
 1. The issue related to the proposed developmental activity is currently under legal intervention and subjudice. This fact was misrepresented by the project proponent during the Goa-SEAC meeting.
 2. There was large scale soil excavation within the No Development Zone (NDZ) demarcated along the South-east & Eastern periphery of the project area. As per the CRZ Notification, any activities, whatsoever, have been banned or prohibited in NDZ areas.
 3. Two large-diameter cement pipes, under the pre-text of storm water drains, have been laid down and buried underground. However, the plan submitted by the Project Proponent (PP) clearly showed that these two pipelines were intended for sewage disposal into the Sal river, which borders along the Southeast and Eastern border of the project site. It is feared that it would cause adverse detrimental impact on water quality thereby affecting local site-specific biodiversity (i.e. flora / fauna). Even this fact was misrepresented during the project presentation at the Goa-SEAC meeting.
 4. Considerable stretch of mangroves along the bank of the Sal river appears to have been destroyed / cut which is probably intended for subsequent reclamation of river-bank. It is argued that this would result into narrowing of river width, thereby causing flooding during high-tide or monsoons.

5. Few forest tree-species, existing within the project area, appears to have been cut/burnt for the proposed developmental activity.
6. The proposed developmental activity is not in connivance with the local site-specific Town and Country Planning (TCP) guidelines.
7. A comprehensive and independent Environment Impact Assessment (EIA) study is warranted to address all the location-specific issues in terms of CRZ Notification, 2011, EIA Notification, 2006 and other Acts/Rules/Guidelines, in force as applicable. It should also address issues related to solid waste management, land/water/air pollution, water/power requirement & availability, post-project management, optimum use of natural resources, etc.,

In view of the above observations as well as ambiguity in the project clarity, it was decided not to grant prior Environmental Clearance (EC) to M/s Raheja Universal Ltd., Mumbai

This issue with the approval of the Government.

Yours faithfully,

Sd./-

(Michael M. D'Souza)

**Director/Ex-officio Jt. Secy. (STE) &
Member Secretary, Goa-SEIAA**