

**Minutes of the 32<sup>nd</sup> meeting of State Level Expert Appraisal Committee (SEAC) held on 30.06.2011 from 10:00 am to 6:00 pm in the Conference Room of DPCC**

The 32<sup>nd</sup> meeting of State Level Expert Appraisal Committee (SEAC) was held on 30/06/2011 in the Conference Room of DPCC under the Chairmanship of Professor C.R. Babu. The following members of SEAC were present in the meeting:

1. Dr. A.K. Ambasht - Secretary
2. Professor Mihir Deb - Member
3. Dr. R.K Khandal - Member
4. Dr. (Mrs.) P. Malarvizhi - Member

Dr. M. P. George (Sr. Scientist, DPCC), Dr. Anil Kumar (Director, Environment) and Dr. Chetna (Scientist, Environment) also assisted the Committee.

The Chairman welcomed the members of the Committee. The minutes of the 31<sup>st</sup> meeting of the SEAC was confirmed by the members.

With due permission from the Chairman, cases were considered as per the placed agenda.

**Case No. 50**

**Project Name** : Proposed Group Housing Complex at 1&3 Cavalary Lane & 4, Chhatra Marg at Civil Lines (Adjoining Vishwa Vidyalaya Metro Station), Delhi.

**Project Proponent** : M/s Young Builders (P) Ltd.

**Project Consultant**: M/s Perfact Enviro Solutions Pvt. Ltd.

The proposal was reconsidered by the Committee and the proponent made a presentation on the additional information sought by the Committee. The project was earlier considered by the SEAC in its meeting held on 22/02/2010. The proposal is for grant of Environmental Clearance for proposed Group Housing Complex at 1&3 Cavalary Lane & 4, Chhatra Marg at Civil Lines (Adjoining Vishwa Vidyalaya Metro Station), Delhi. The total plot area is 20000 sq.mt. The total Built-up area will be 70265.95 sq.mt. The permissible FAR is 46600 sq.mt. and the proposed FAR is 46156.72 sq.mt. The permissible Ground Coverage is 6666 sq.mt. and the proposed Ground Coverage is 2130.64 sq.mt. The proposed Green area is 8373.75 sq.mt. The permissible height of the building is 133.40 m and the maximum height of the proposed building will be 117 m. The total number of dwelling units proposed is 324 (EWS unit: 180 and premium

residential units: 144). The number of blocks proposed is 4 (2 residential blocks + 1 commercial block+ 1 EWS block). The maximum number of floors will be Stilt+G+35+2B. The proposed stilt area is 586.31 m. The proposed basement area is 23522.92 sq.mt. Total estimated population will be 1205 persons. The parking provisions will be made for 920 ECS (Upper basement: 362 ECS, Lower basement: 355 ECS, Surface: 150 ECS, Stilt: 37 ECS and double stack parking at lower basement: 16 ECS). Total water requirement for project will be 203 KLD, out of which fresh water requirement will be 106 KLD. The source of water supply will be DJB. Total wastewater generation from the proposed complex will be 129 KLD, which will be treated at on-site STP (MMR based) of 160 KLD capacity. The treated wastewater available will be 122 KLD, out of which 97 KLD will be used in DG Cooling (8 KLD), Flushing (45 KLD), Gardening (40 KLD) and Miscellaneous purpose (4 KLD). The remaining treated wastewater of 25 KLD will be discharged to sewer. Total municipal solid waste generation from the proposed project will be 504 kg/day and hazardous waste generation will be 31 kg/day. The total power requirement will be 1266 KW. The source of power will be NDPL. The DG sets of 1x1010 KVA + 2x500 KVA capacity are proposed for power back up. 3 Rain Water Harvesting Pits will be provided at site for groundwater recharge. The total cost of the project will be Rs. 321 Crores.

Before the presentation, the Committee discussed the recommendations of the copy of the joint inspection report (unsigned and as available with the project proponent) of the Committee appointed by Hon'ble Lt Governor, particularly with respect to the specific objections vis-à-vis Delhi University, North Campus.

Based on the information furnished, presentation made and further discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. The Committee sought the following information from the project proponent for its further consideration:

- (i) Form 1 and 1A in original.
- (ii) Geo-technical report including seismic details.
- (iii) Structural Design Details.
- (iv) Clarification on total cost of the project.
- (v) Site layout plan showing all the historical places within the radius of 10 km around the project site.
- (vi) Location of STP and DG sets in Layout plan.
- (vii) Clarification on number of towers proposed for each type of unit.
- (viii) Floor wise building plans in A1 size separately for each type of units proposed along with the site layout plan.

- (ix) Revised evacuation plan with provision of separate emergency exits and information on hydrant systems for fire fighting. Revised Incident Command system.
- (x) Revised landscape plan.
- (xi) Detailed traffic management plan, based on the Traffic flow pattern study carried out by a recognized transport consultant for all the five working days as well as weekend and also during day & night times.
- (xii) Revised Dual Plumbing Layout plan in A1 size with provision for separate dual plumbing system for EWS block and other proposed blocks.
- (xiii) Linkage for water and power supply.
- (xiv) Revised water balance chart with provision of extra treated wastewater to be given to DMRC. Inclusion of separate treatment for domestic wastewater and sewage with modifications in Plumbing Systems.
- (xv) Clarification on number of proposed Rainwater Harvesting pits.
- (xvi) Revised solid waste management with complete details.
- (xvii) Revised CSR with action plan & budget.
- (xviii) EMP budget for construction phase.
- (xix) Indicate plan for work zone management.
- (xx) Baseline environmental data w.r.t Air, Water and noise quality from NABL accredited lab reports.
- (xxi) Signed copy of the joint inspection report with respect to the site inspection conducted on 19.02.2010.

The Committee also revisited its decision taken in its 10<sup>th</sup> meeting held on 04.09.2009 with respect to resubmission of Form 1 and 1A through M/s DMRC and accepted the application submitted by M/s Young Builders, as the land has been leased to M/s Young Builders by DMRC for certain period as per the agreement.

The Committee decided that the following additional condition should be laid down at the time of issuing the amendment to the EC:

- (i) About 1000 trees should be planted at site.

**Case No. 82**

**Project Name** : Proposed Extension of the Existing University Complex  
Project at North Campus, Delhi.

**Project Proponent** : Registrar, University of Delhi.

**Project Consultant** : -----

The proponent requested the Committee to **defer** the case because of his inability to attend the meeting. As per the request of the proponent, the Committee decided to consider this project in the next meeting.

**Case No.107**

**Project Name** : Proposed Prefab EWS housing at Pocket II, Sector G2-G6, Narela, New Delhi.

**Project Proponent:** Delhi Development Authority.

**Project Consultant:** M/s Shri Environmental Technology Institute.

The proposal was reconsidered by the Committee and the proponent made a presentation on the additional information sought by the Committee. The project was earlier considered by the SEAC in its meeting held on 20/04/2011. The proposal is for grant of Environmental Clearance for Proposed Prefab EWS Housing at Pocket II, Sector G2-G6, Narela, New Delhi on the plot area of 53863 sq.mt. The net site area (housing) is 44419.2 sq.mt. The permissible ground coverage area is 17767.68 sq.mt. The proposed ground coverage area is 13602.8 sq.mt. The permissible FAR is 88838.4 sq.mt. The proposed FAR is 68010.4 sq.mt. The facilities proposed include Housing, Composite Facility plots for Convenient Shopping center, Anganwari, Milk booth etc. The number of dwelling units proposed is 2080 and the number of building blocks proposed is 36. Maximum density permissible is 600 DU/HA and proposed density achieved is 468.27 DU/HA. The total number of floors in the proposed building will be G+4. The maximum height of building is 15 m. The proposed height of building is 14.475 m. The proposed green area is 24758 sq.mt. Total parking proposed is 337 ECS. Total expected population is 10400 people for the proposed housing. Total water requirement for the project is 1404 KLD. The water requirement will be met through DJB partly and groundwater will be used with permission of DJB. The total wastewater from the project will be 1263.6 KLD. This will be treated through STP of DJB of 10 MGD capacity located on NH-1 near to drain no. 6 and another proposed STP of 70 MGD capacity located near Bawana escape near GT road, NH-1. The total sewage generated from the site will be discharged into the STP through Sewage Pumping Station (SPS). Total estimated solid waste generation from the proposed project is 4160 kg/day. The power demand for proposed project will be 2331.02 KVA. This will be supplied by NDPL. One DG set of 40 KVA will be provided for power backup for water supply purposes. The number of Rain Water Harvesting pits proposed is 5. Total cost of the project will be Rs. 77 crores.

Based on the information furnished, presentation made and further discussions held, the Committee decided to **recommend the project for Environmental**

**Clearance** subject to submission of following documents and its further examination:

- (i) Resubmit Form I and IA after incorporating the necessary corrections.
- (ii) Baseline Environmental Data w.r.t. Air, Water & Noise level in NABL accredited laboratory report.
- (iii) Fire fighting layout plan, Site layout, Drainage layout, Water supply layout and Sewerage layout plans (in A1 size) showing correct project details with respect to FAR, Ground Coverage, No. of blocks and Parking provisions.

The Committee decided that the following conditions should be laid down at the time of issuing EC:

- (i) Car parking area should also be utilized for bicycle / two-wheeler parking.
- (ii) About 1000 trees to be planted in the green belt with 2-3 m space between trees.

#### **Case No. 109**

**Project Name** : Construction of General Pool Housing at Vasant Vihar, New Delhi.

**Project Proponent:** Executive Engineer, CPWD, CD-6, C wing, Room No-419, 4th Floor, IP Estate, Indraprastha Bhawan, New Delhi.

**Project Consultant:** M/s Ind Tech House Consult

The proponent did not attend the meeting. The case was also listed in the agenda of 28<sup>th</sup> and 29<sup>th</sup> SEAC meetings held on 15.02.2011 and 24.03.2011 respectively and the project proponent failed to attend both the meetings. The Committee therefore, decided to **delist** the case.

#### **Case No. 110**

**Project Name** : Addition/ Alteration in Existing Building of Rajiv Gandhi Cancer Institute Hospital in Sector -5, Rohini, Delhi.

**Project Proponent:** Rajiv Gandhi Cancer Institute & Research Centre, Sector-5, Rohini, Delhi.

**Project Consultant** : M/s Min Mec Consultancy Pvt. Ltd.

The proposal was reconsidered by the Committee and the proponent made a presentation on the additional information sought by the Committee. The project was earlier considered by the SEAC in its meeting held on 24/03/2011. The proposal is for the grant of Environmental Clearance for Addition/ Alteration in the Existing Building of Rajiv Gandhi Cancer Institute Hospital at Sector-5, Rohini, Delhi. The total plot area is 16887.25 sq.mt. (4.17 acres). The existing Built-up

area is 20184.65 sq.mt. and proposed built-up area is 1790.51 sq.mt. The total built up area (existing + proposed) is 21975.16 sq.mt. The permissible FAR is 33774.50 sq.mt. The existing FAR is 18439.94 sq.mt. The proposed FAR is 1790.51 sq.mt. The total FAR is 20230.45 sq.mt. The permissible Ground Coverage is 5066.18 sq.mt. The existing Ground Coverage is 4509.35 sq.mt. (1.11 acres) & proposed Ground Coverage is 260.57 sq.mt. (0.06 acres). Total Ground Coverage (existing + proposed) is 4769.92 sq.mt. The existing green area is 4734.97 sq.mt. (1.17 acres). The existing blocks are A to G. The expansion involves construction of Hospital building (Block H) with G+6 floors. The total number of beds after proposed expansion will be 290 (240 existing and 50 proposed). Population (including Doctors, Staff and Visitors) after proposed expansion will be 600 (present population - 550 + proposed population - 50). The total population after proposed expansion will be 920. The total parking provision after proposed expansion will be 285 ECS (Existing: 283 ECS + Proposed: 2 ECS). Total water requirement after proposed expansion will be 252 KLD (221 KLD existing demand and 31 KLD proposed demand), out of which the fresh water demand will be 161.55 KLD (136.8 KLD existing demand and 24.75 KLD proposed demand). The source of fresh water for both existing structure and proposed expansion is DJB. The wastewater generation after proposed expansion will be 145 KLD (123 KLD from existing structures and 22 KLD from proposed expansion), which will be collectively treated in on-site STP, which will be augmented to 175 KLD capacity. The treated wastewater available for reuse, after proposed expansion, will be 131 KLD (111 KLD existing and 20 KLD proposed). The reuse of treated wastewater after proposed expansion will be as follows:

- During non-monsoon period, 90.45 KLD (84.2 KLD for existing structures and 6.25 KLD for proposed expansion) will be reused and the rest of 40.55 KLD (26.8 KLD existing and 13.75 KLD proposed) will be discharged into municipal drain.
- During monsoon period, 76.25 KLD (70 KLD for existing structures and 6.25 KLD for proposed expansion) will be reused and the rest of 54.75 KLD (41 KLD existing and 13.75 KLD proposed) will be discharged into municipal drain.

The Municipal Solid Waste generation after proposed expansion will be 339 Kg/day (280.5 Kg/day from existing structures and 58.5 Kg/day from proposed expansion). The Bio-Medical Waste generation after proposed expansion will be 113 Kg/day (93.5 Kg/day from existing structures and 19.5 Kg/day from proposed expansion). The total solid waste generation after proposed expansion will be 452 kg/day. The E-Waste generation after proposed expansion will be 130.5 Kg/annum (108 Kg/annum from existing structures and 22.5 Kg/annum from

proposed expansion). The total power requirement after proposed expansion will be 3000 KVA (2750 KVA existing demand and 250 KVA proposed demand). The source of power for both existing structures and proposed expansion is NDPL. Two DG sets of 800 KVA each and one DG set 1250 KVA are already installed as power backup. 3 Rainwater Harvesting Structures already functioning for groundwater recharge. The estimated cost of the proposed expansion is Rs. 5 Crores.

Based on the information furnished, presentation made and further discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. The Committee sought the following information from the project proponent for its further consideration:

- (i) Revised Water Balance Chart with provision of separate ETP for treatment of effluent from laboratories. Also, treated effluent from ETP should not be mixed with STP wastewater.
- (ii) Location of ETP and STP in layout plan.
- (iii) Details of ETP.
- (iv) Revised Landscape plan with provision for plantation of trees on either side of road in the segment between DTC bus depot and the hospital.
- (v) Fire fighting layout plans in A1 size.
- (vi) Revised EMP budget showing budget allocations for construction phase and operational phase of expansion, operation phase for existing buildings and the total EMP budget.
- (vii) Geo-technical report.
- (viii) Action plan for Corporate Social Responsibility with budget.

The Committee decided that the following additional conditions should be laid down at the time of issuing the amendment to the EC:

- (i) Trees should be planted on either side of road in the segment between DTC bus depot and the hospital after taking necessary permission from DDA.
- (ii) Treated effluent from ETP should not be mixed with STP wastewater.
- (iii) Zero Wastewater Discharge should be achieved.

**Case No. 119**

**Project Name** : M/s Raheja Developers Ltd. (Proposed In- Situ Development Project) at Kathputli Colony, Near Shadipur Bus Depot, Delhi.

**Project Proponent:** M/s Raheja Developers Ltd.

**Project Consultant:** M/s Environmental Engineers & Consultants Pvt. Ltd.

Before the presentation, the Committee was informed that the land has been handed over to M/s Raheja Developers Ltd. by DDA for the In-Situ Development which involves relocation and reshifting of Slum dwellers located at Kathputli Colony to EWS houses. Other part of the site will have premium apartments and community blocks. Also, DDA is entering into an agreement with slum dwellers of Kathputli colony for relocation and then re-shifting back to the colony.

The proposal was considered by the Committee and the proponent made a presentation on the proposal. The proposal is for grant of Environmental Clearance for Proposed In-Situ Development Project at Kathputli Colony, near Shadipur Depot, Delhi on the total plot area of 5.22 hectares. The proposed built up area is 147060 sq.mt. The proposed green area is 8560.569 sq.mt. The number of proposed towers is 7 (5 EWS blocks, 1 free sale block and 1 commercial block). The number of floors in EWS blocks is Stilt + 15, in free sale block it is 2B+G+47 with service floor and in commercial block it is 3B+G+10. The maximum height of the proposed towers will be 156 m. The facilities proposed in the project include 2800 EWS Residential unit and 138 free sale category Residential unit with commercial and office area. Total expected population will be 17715 persons (Residential - 14690 and Floating - 3025). The parking provisions will be made for 960 cars and 2009 two-wheelers. Total water requirement for proposed project is 1309.483 KLD out of which the fresh water requirement is 976.537 KLD which will be met through DJB existing tubewells as standby source. The total wastewater generation from the proposed project will be about 1178.534 KLD, which will be treated in an on-site STP (with MBR based tertiary treatment) of 1415 KLD capacity. The treated wastewater of 1060.68 KLD will be used for Flushing (332.946KLD), Horticulture (43KLD), and Cooling make-up water requirement (684.734 KLD). The power requirement for the project will be 14 MWH. 3 DG sets of capacity 750 KVA each are proposed for power back up. Total solid waste generation from the proposed project will be 6231.05 Kg/day. Bio-gas generation plant would be installed for disposal of bio-degradable waste and the manure produced would be used for green area development. The Bio-gas generated would be consumed within the premises. It is estimated that about 80 Kg of Bio-gas would be produced daily from the bio-gas plant. Rainwater Harvesting pits proposed are 13. The total cost of the project is Rs. 254.27 Crores.

Based on the information furnished, presentation made and further discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. The Committee sought the following information from the project proponent for its further consideration:

- (i) Revised Form 1 and 1A with change in project title.



- (ii) Agreement on the project between DDA with M/s Raheja Developers Ltd.
- (iii) Percentage land use demarcation for EWS, premium apartment, commercial block, greenery, common facility etc. in tabular form.
- (iv) Area breakup details in tabular form showing each component separately.
- (v) Geo technical report.
- (vi) Linkages for water and power supply.
- (vii) Revised water consumption details.
- (viii) Separate water balance chart for each category and total water balance chart.
- (ix) STP location in layout plan.
- (x) Block wise details of solid waste management and power details.
- (xi) Revised landscape plan.
- (xii) Action plan for Corporate Social Responsibility with budget.
- (xiii) Environmental baseline data w.r.t Air, water and Noise in the form of NABL lab report
- (xiv) Floor wise building plans and layout plan in A1 size.
- (xv) Floor wise fire fighting/evacuation plans in A1 size.
- (xvi) AAI approval for building height.
- (xvii) Approval for Chief Fire Officer and DUAC for building plans.
- (xviii) Details of FAR & ground coverage for each component and total.
- (xix) Traffic management plan.
- (xx) Disaster management plan/ Emergency plan.

The Committee decided that the following conditions should be laid down at the time of issuing the EC:

- (i) The transit camp proposed nearby project site should be demolished by the proponents after completion of construction phase and the land should be given back to DDA.
- (ii) The recurring cost of the lifts proposed in EWS towers should be born by M/s Raheja Developers Ltd. under CSR.
- (iii) Parking provision for bicycle in EWS.
- (iv) Bio degradable waste to be converted to bio gas and should be used within the premise.

**Case No. 121**

**Project Name** : Expansion and Modernization of The British School, Chanakya puri, New Delhi.

**Project Proponent:** Principal, The British School.

**Project Consultant:** M/s Perfect Enviro Solutions Pvt. Ltd.

The proposal was considered by the Committee and the proponent made a presentation on the proposal. The proposal is for grant of Environmental

Clearance for Expansion and modernization of The British School, New Delhi on a total plot area of 21521 sq.mt. The existing built up area is 5698 sq.mt & the proposed built up area will be 27189.7 sq.mt. The maximum permissible FAR is 20141.02 sq.mt. The existing FAR is 5617 sq.mt & the proposed FAR will be 19619.9 sq.mt. The maximum permissible Ground Coverage is 4699.57 sq.mt. The existing ground coverage area is 2793 sq.mt and the proposed Ground Coverage will be 4629.25 sq.mt. Numbers of floors in existing building is G+2 and number of floors in proposed building will be G+4+2B. Existing basement area is 81 sq.mt and proposed basement area will be 7565.3 sq.mt (Upper basement area: 4392.45 sq.mt and Lower basement area: 3172.85 sq.mt). The maximum height of existing building is 12 m & maximum height of proposed building will be 18 m. The total population after proposed expansion will be 1653 persons. The existing parking provision is 80 ECS and parking for proposed expansion will be 293 ECS. Existing green area is 4000 sq.mt and the total green area after proposed expansion will be 6931 sq.mt. The existing water requirement is 78 KLD & total water requirement for proposed expansion will be 95 KLD, out of which the domestic water is 54 KLD and fresh water requirement is 56 KLD. This will be met through NDMC. The wastewater generation from the project will be 70 KLD, which will be treated at on site STP of capacity 90 KLD. Treated wastewater of 39 KLD will be used for horticulture (10 KLD), Flushing (23 KLD) and Misc. (6 KLD). The total estimated solid waste generation after proposed expansion will be 630 kg/day. The total power requirement for the project will be 1500 KW (existing 210 KW and proposed 1290 KW), which will be supplied by NDMC. Existing DG sets are of 1X380 KVA capacity and 2 DG sets of 750 KVA are proposed for power backup. 2 Rainwater Harvesting Pits exist and additional 2 Rainwater Harvesting pits are proposed. Total estimated cost of the project is Rs. 58 crores.

Based on the information furnished, presentation made and further discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. The Committee sought the following information from the project proponent for its further consideration:

- (i) Form1 and 1A signed by the Chairman of the British school.
- (ii) Linkages for water and power supply.
- (iii) Approval of building plans by Delhi Urban Arts Commission (DUAC).
- (iv) Baseline environment data w.r.t Air, Water and Noise in NABL accredited lab report.
- (v) Revised landscape plan with provision for peripheral tree plantation around play field area.
- (vi) Geo technical report.

- (vii) Revised water balance chart with provision for surplus treated water to be used by NDMC for horticulture.
- (viii) Location of DG set & STP in layout plan.
- (ix) Details of waste management during demolition and construction phases.
- (x) Approval of building plans by Chief Fire Officer.
- (xi) Revised action plan for Corporate Social Responsibility with budget.
- (xii) Revised EMP budget for construction phase and operational phase.

The Committee decided that the following additional condition should be laid down at the time of issuing the amendment to the EC:

- (i) Pre-treatment of liquid effluent from laboratory before transfer to STP.
- (ii) Zero wastewater discharge.
- (iii) Construction & Demolition waste to be disposed off at recycling unit at Burari.
- (iv) Paper-recycling unit should be installed.
- (v) ECBC norms to be followed.
- (vi) Organic Waste Converter should be installed.
- (vii) E-waste rules to be followed.
- (viii) Peripheral tree plantation around play field area.

The Committee took note of the document received from the project proponent of **Case No. 102: Proposed Muthoot Hospital at Sector 10, Dwarka, New Delhi** and administrative approval taken from the Chairman (SEAC) for placing the project as an additional item. However, The Secretary appraised the Committee that in the meeting held on 20.04.2011, the Committee **delisted** the case as the project proponent was absent in three consecutive meetings. The project proponent should be advised to submit it as a fresh proposal.

The Committee also took note of the reply received from Deshbandhu College (vide letter no. DBC/2011/056 dated 02.06.2011) in respect of clarification sought by the Committee in its 30<sup>th</sup> meeting held on 20.04.2011 on the proposal sent to MCD by the principal. The Committee examined the response of the principal and decided that the principal should applied for EC for the integrated expansion plan of the College as approved by MCD

The Committee was pleased to place on record its deep appreciation to DPCC for providing logistical support for smooth functioning during its entire tenure.

The meeting ended with vote of thanks to the Chair.

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