

Minutes of the 9th meeting of State Level Expert Appraisal Committee (SEAC) held on 07.08.09 from 10:00 am to 6:00 pm in the Conference Room of DPCC

The 9th meeting of State Level Expert Appraisal Committee (SEAC) was held on 07-08-09 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. Professor Mihir Deb - Member
2. Professor Subir Kr. Saha - Member
3. Dr. (Mrs.) P. Malarvizhi - Member
4. Dr. R.K. Khandal - Member
5. Dr. A.K. Ambasht - Secretary

Dr. Anil Kumar (Director, Environment), Dr. M. P. George (Sr. Scientist) of DPCC and Dr. Chetna of Department of Environment also participated.

The Chairman welcomed all members of the Committee, and the committee discussed the minutes of the 8th meeting of the SEAC besides informations received from proponents of the projects considered in the earlier meeting and decisions taken thereof and the same was confirmed by the members.

The Secretary informed the Committee about MoEF's letter regarding the enforcement of Ambient Air Quality norms at the project site while taking decisions on EC for the projects and that the members should carefully examine the ambient air quality data of the project site and propose effective and mandatory air quality improvement and pollution control mitigation measures both during construction and operation phase if the levels of pollutants exceed the prescribed norms.

The Secretary also appraised the members of the Committee that School of Planning and Architecture did not respond for the request to confirm the built-up area mentioned in two projects: Case No. 1: Construction of North Gate Orbit Plaza at Gujrawala Town, Azadpur, New Delhi and Case No. 18 : Construction of Integrated Station Building and Commercial Development at Games Village, Near Akshardham, New Delhi. The Chairman requested Professor Subir Kr. Saha to persuade the Director, SPA, to depute a staff member for doing the needful.

The Committee members were also informed about the public notice on EIA notification for Environmental Clearance to projects belonging to Category 'B'.

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

Case No. 02

Project Name : Construction of Industrial Workers housing with cost effective technologies at Narela, Industrial park of DSIIDC, Delhi.

Project Proponent : M/S Delhi State Industrial and Infrastructure Development Corporation Ltd.

The proposal was reconsidered by the Committee and the proponent made a presentation on the proposal. The project was earlier considered on the SEAC meetings held on 29-12-2008, 30-01-2009 and 20-02-2009. The proposal is for grant of Environmental Clearance for Construction of Industrial Workers housing with cost effective technologies at Narela Industrial park of DSIIDC on a plot of 55077.65 Sq.mt. The ground coverage is 16726.32 Sq.mt. Proposed F.A.R. is 61904.04 Sq.mt. Area for Parking proposed is about 4492.01 Sq.mt., which is for 35 cars and 972 scooters. Water requirement during the construction phase is 25×10^4 KL per year, i.e 540 KLD, which will be provided by DSIIDC, and water requirement during operation phase will be 925 KLD, which will be provided by DJB. Wastewater generation during operation phase from domestic usage will be 740 KLD. Wastewater will be treated through MBR process at the site and treated wastewater will be used in sprinkling, flushing, horticulture, agriculture and green belt development. The total solid waste generation will be 2733.6 Kg./day. Green belt area proposed is 9747.86 Sq.mt. Four Rainwater harvesting wells will be provided. The total power requirement for the proposed project is 2545 KVA, which will be provided by NDPL. The total cost of the project is Rs. 4425.06 Lakhs. The project proponent informed the Committee that the work has already been started before the submission of the application for Environment Clearance.

Based on the information furnished, presentation made and 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) List of industries in the adjoining Narela industrial area.
- (ii) Ground water quality analysis for heavy metals (particularly Arsenic and Mercury) by NABL accredited Laboratory.
- (iii) Re-examination of water balance chart.
- (iv) Details of the proposed Membrane Bed Reactor (MBR) technique for wastewater treatment.
- (v) Details of service lines for MBR.
- (vi) Re-examination of the location of MBR.
- (vii) Details of 50m – 30m wide green belt with extensive tree cover.
- (viii) List of native trees to be included in green belt.
- (ix) Layout map showing location of suggested plantation in the entire Narela industrial area as well as within the site.
- (x) Details of Energy Conservation Plan.
- (xi) Reasons for starting the work without EC.

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

- (i) Extraction of ground water subject to permission from Delhi Jal Board (DJB).
- (ii) No water tanker will be permitted for water supply after construction phase.
- (iii) Installation of Organic Waste Converter at site.
- (iv) Zero discharge of effluent.

Since the levels of trace metals, especially Arsenic, in the ground water at project site was very high and above the norms, the Chairman requested MS, DPCC for simultaneous monitoring of ground water quality by DPCC team of officials for exact and correct status of trace metal levels in ground water in and around Narela Industrial Area and to find out the source of Arsenic in ground water and unit responsible for ground water pollution.

Case No. 10

Project Name : Setting up of Wholesale Market of Flowers (including wholesale Fruit & Vegetable Market and Multi-Level Parking) at IFC Ghazipur, NH-24, New Delhi.

Project Proponent : M/s Delhi Agricultural Marketing Board (DAMB)

The proposal was reconsidered by the Committee and the proponent made a presentation on the proposal. The project was earlier considered on SEAC meetings held on 29-12-2008 and 20-03-2009. The proposal is for grant of Environmental Clearance for Setting up of Wholesale Market of Flowers (including wholesale Fruit & Vegetable Market and Multi-Level Parking) at IFC Ghazipur, NH-24, New Delhi. by M/s Delhi Agricultural Marketing Board (DAMB) on total plot area of 1,49,856.71 m². The total built up area of wholesale flower market is 36,597.18 m² with F.A.R. of 79.69%. The wholesale flower market will have 3 basements having total area of 54433.92 m² and F.A.R. for the flower market is 36597.18 m². For multi-level parking, the total area for basement is 8736.87 m² and F.A.R. is 14983.84 m². F.A.R. for fruit and vegetable market is 65435.32 m². F.A.R. of services is 2376.06 m². The total built-up area of the project is 119392.4 m². The total parking provided for the project is 3176 ECS with 1341 ECS for Flower Market, 419 ECS in Multi-level Parking system and 1416 ECS in surface parking. The total water demand for the project during operation phase is 560 KLD, which will be supplied from municipal water supply augmented by bore wells. The wastewater generation from the project will be 257 KLD, which will be treated on site STP of 300 KLD capacity. The treated wastewater of 231.3 KLD will be recycled for gardening (108 KLD) and cooling (123.3 KLD). The total municipal solid waste generation will be 534.8 kg/day and horticulture waste will be 7490 kg/day. 7 Rainwater Harvesting Wells are proposed to recharge ground water. The total power required is around 8000 KW, which will be supplied by BSES. The estimated cost of the project is Rs. 161.89 crores.

Based on the information furnished, presentations made and discussion held the committee decided to **recommend the project to SEIAA for EC** subject to the following conditions: -

- (i) Installation of on-site composting unit.
- (ii) Solar energy utilization system to be installed as per the guidelines of Ministry of Non-Renewable Energy Resources.
- (iii) Adoption of Energy Conservation Building Code in building design.
- (iv) Health and safety plan as per Occupational Safety & Health Act, labour laws etc.
- (v) Recycled water to be used for flushing and horticulture.
- (vi) The ambient air quality should not exceed the norms prescribed by CPCB and should be monitored regularly and the data should be submitted to DPCC once in three months.
- (vii) Development of 20 m wide green belt all around the project area to mitigate high noise levels.

Case No. 35

Project Name : Construction of Delhi Armed Police Line and Residences at Dwarka, Sector-9, New Delhi

Project Proponent : M/s Delhi Armed Police.

The proposal was reconsidered by the Committee and the proponent made a presentation on the proposal. The project was earlier considered in the SEAC meeting held on 20-03-2009. The proposal is for the grant of Environmental Clearance for “Construction of Delhi Armed Police Line & Residences - By Rites Limited” at Dwarka, Sector-9, New Delhi on a plot area of 48000 m² and built-up area of 26521.30 m². The building will have Ground + 3 Storey houses with 9 Blocks. Open parking facility will be provided in 6523 m² area for total of 524 ECS. Proposed Green belt area is 24719.13 m². The water demand during construction phase is estimated to be 20-25 KLD, which will be supplied through tankers. The total water requirement in operation phase is 320.7 KLD. This requirement will be met by the municipal water supply system. During operation phase, wastewater generation is 167.8 KLD, which will be treated at on site STP having 200 KLD capacity and treated wastewater of 134.2 KLD will be used for horticulture and flushing. Three rainwater-harvesting pits are proposed for recharging of ground water. Expected solid waste generation will be about 820 kg/day. The total power requirement is 1450 KW and this will be supplied by BSES. 100 KVA DG set is proposed for power back up. The total cost of the project is Rs. 50 crores.

Based on the information furnished, presentations made and discussion held the committee decided to **recommend the project to SEIAA for EC** subject to the following conditions: -

- (i) At least 20m wide peripheral green belt should be provided within the site.
- (ii) Native tree like Jamun to be included in the list of trees to be planted.

- (iii) Adoption of Energy Conservation Building Code in building design.
- (iv) Installation of Organic Waste Converter at site.
- (v) E-waste should be managed as per the guidelines from Central Pollution Control Board.
- (vi) Solar energy utilization system to be installed as per the guidelines of Ministry of Non-Renewable Energy Resources.
- (vii) The Ambient Air Quality and Noise levels should not exceed the prescribed norms of CPCB and appropriate mitigation measures should be taken in case the pollutant levels are higher than the prescribed norms.

Case No. 45

Project Name : Redevelopment of Inter State Bus Terminus (ISBT) at Anand Vihar, Delhi.

Project Proponent : M/s Transport Department, Govt. of NCT-Delhi.

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 Redevelopment of Inter State Bus Terminus (ISBT) at Anand Vihar, Delhi. It is the modernization of Inter State Bus Terminus (already running) with a proposed Hotel. The total plot area is 102016.92 m². The total built-up area is 155959.92 m². Area considered for FAR is 92319.92 m² (70% for ISBT - 64623.94 m² + 30% for Hotel - 27695.97 m²). Ground coverage is 23079.98 m² (19079.98 m² for ISBT + 4000 m² for proposed Hotel). Basement area is 53890 m². Green cover will be 16% of the plot, i.e. 15203.1 m². Maximum no. of floors for ISBT is G+5 (38m height) and for Hotel it is G+8 (60m height). Estimated population in the premises is around 1,25,000 floating + 450 Hotel Occupants + 1000 staff (approx.). Parking provided for ISBT and Hotel is 1293 ECS and 554 ECS, respectively, and thus makes a total of 1847 ECS. Total water requirement for the project is 2465 KLD (with 1320 KLD for flushing, 680 KLD for drinking, 404 KLD for HVAC Cooling and 61 KLD for Horticulture). This amount is fulfilled by treated water (approx. 1620 KLD) and rest amount (845 KLD) shall be drawn from 3 existing bore wells and DJB tankers. Total wastewater/sewage generation from the project will be 1800 KLD. All sewage will be collected and treated into Fluidized Aerobic Bioreactors (FAB) based on site Sewage Treatment Plant of 2050 KLD Capacity. Treated sewage (approx. 1620 KLD) will be stored and will be reused after disinfection from UV rays. The total power requirement is 11000 KW. 10 DG sets are used with total capacity of 13750 KVA (9 D.G Sets of 1500 KVA + 1 D.G Set of 250 KVA). Solid waste generation from the project will be approx. 13000 kg/day. 10 rainwater collecting pits will be provided at the site. The estimated cost of project is Rs. 150 crores.

Based on the information furnished, presentation made and discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. During the presentation, project

proponent informed the Committee that Environmental Clearance is being sought only for the redevelopment of Inter-State Bus Terminus (ISBT) at Anand Vihar, Delhi and it does not include proposed hotel. The Committee sought the following information from the project proponent for its further consideration:-

- (i) Resubmission of form 1 & 1A after excluding proposed hotel details.
- (ii) Resubmission of Details of the total built up area details.
- (iii) Resubmission of landscape plan.
- (iv) Details of proposed green belt.
- (v) Details of Mitigation measures to control higher level of air pollutants from vehicular emission.
- (vi) Modified layout plan w.r.t parking area.
- (vii) Plan for cleaning of drain flowing adjacent to Plot.

Case No. 46

Project Name : Fully Automated Multilevel Underground Parking at Delhi High Court parking premises

Project Proponent : M/s Delhi High Court

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 Fully Automated Multilevel Underground Parking at Delhi High Court parking premises. The area of land is 10,102 m². The area occupied by 'unprotected monument' is 432 m². Area under the project is 9670 m². Area proposed for the construction above ground level is 725.51 m². The parking area is 41,237.52 m² including 6 underground basement parking. The capacity of the parking area is 1475 ECS. Water will be arranged from bore wells during construction phase. During operation phase, the water requirement will be around 30 KL/day and it will be met through supply by NDMC. The municipal waste generation will be approx. 1 MT/month. The sewage generation during operation phase will be around 3 to 4 m³/day and will be discharged in the existing municipal sewer. Power requirement of 1600 KVA will be supplied by local body. Power back up is being provided through 2 D.G. sets of 750 KVA each. The estimated cost of the project is Rs. 125 crores.

Based on the information furnished, presentation made and discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. During the presentation, the Committee sought clarification about the project proponent of this project. The representative from M/s DMRC clarified that project belongs to Delhi High Court, while M/s DMRC is the project developer authorized by Delhi High Court and will operate the parking facility for 5 years. The Committee informed that Environmental Clearance to the project will be in the name of the Registrar of Delhi High Court. The Committee sought the following information from the project proponent for its further consideration:-

- (i) Resubmission of Form 1 and 1A duly signed by the Registrar, Delhi High Court.
- (ii) Details of land ownership.
- (iii) Reexamination of the distance of project boundary from Shershah Road.
- (iv) Certificate from ASI for the status of unprotected monument within the site.
- (v) Permission for proposed 30 m stack height for D.G Sets.
- (vi) Permission of ASI for construction upto 18 mt. depth.
- (vii) Details of greenbelt.
- (viii) Clearance from the Chief Fire Officer.
- (ix) Details of Disaster Management Plan.
- (x) Details of Energy Conservation Plan.
- (xi) Details of baseline ambient air quality and prediction models during operation of the project.

The said project boundary as per ASI is 101 mt. from the protected monument Shershah Gate. Considering the marginal difference between permitted limit (100 m) and the actual distance (101 m) is just only 1m, the Chairman requested Prof. Subir Kr. Saha to reexamine the matter and submit his views in the next meeting.

The Committee further informed the representative of M/S DMRC that representative from Delhi High Court should be present during re-consideration of the project.

Case No. 47

Project Name : Environment Clearance for Mega Housing Project “Construction of HIG/MIG/LIG Houses” at Vasant Kunj, Delhi.

Project Proponent : M/s Delhi Development Authority

The proposal was considered by the Committee and the proponent made a presentation on the proposal. The proposal is for grant of Environment Clearance for Mega Housing Project “Construction of HIG/MIG/LIG Houses” at Vasant Kunj, Delhi. The proponent had earlier applied for Environment Clearance to MoEF. The project was considered in MoEF’s committee in its meeting held on, April 11th, 2008, and requested the project to submit additional information. Due to non-compliance by the project proponent with respect to submission of specific information, the committee in its meeting held on 16th July, 2008, treating the project as closed. Now, the proponent has submitted a fresh application to SEAC, Delhi for reconsideration of the project. The proponent also informed the committee that the work has already started as it is a part of commonwealth games project.

The total plot area is 2,36,581 m² and the total built-up area is 1,84,595.32 m². FAR to be achieved for the project is 148. Ground coverage area is 26,001.92 m². Area for green belt is 56,650 m². Total parking proposed for the project is 3692 ECS. Total water requirement for the project is 1580 KLD, which will be met through DJB. Total Sewage generation is

1420 KLD which will be treated at the proposed on site STP having 1270 KLD capacity. The treated wastewater will be in the tune of 1207 KLD, out of which 400 KLD will be utilized for the development of green belt, 550 KLD for flushing requirements and rest of 257 KLD will be discharged to MCD sewer line. The total power requirement of 10,000 KW/day will be supplied by BSES Rajdhani Power Ltd. Solid waste generation from the project will be approx. 5577 kg/day (which includes Bio-medical waste of 5 kg/day). Total of 5 recharge trenches with 2 recharge bore wells each has been proposed for the Rain Water Harvesting. The estimated cost of project is Rs. 200 crores.

Based on the information furnished, presentation made and discussions held, the Committee suggested to the project proponent that the information submitted does not meet the requirement for Environmental Clearance. Before the presentation, the Chairman informed the members that it is a case of violation as construction work has already been started prior to grant of Environmental Clearance. The Committee sought the following information from the project proponent for its further consideration:-

- (i) Detailed note for not taking EC before starting the construction.
- (ii) Linkage of water and power supply.
- (iii) Details of service lines for water & wastewater.
- (iv) STP design with the details of technology proposed for treating wastewater.
- (v) Resubmission of water balance chart with zero discharge.
- (vi) Submission of the SOI toposheet including core and buffer zones.
- (vii) Submission of the Contour plan.
- (viii) Submission of the landscape/ topographical plan w.r.t existing features on or near by site.
- (ix) Details of 20-10 m wide green belt with the list of trees.
- (x) Examine the feasibility to create a surface pond within the site. All the water from Rain Water Harvesting structure and the storm water should be discharged into the surface pond.
- (xi) Details of Solid Waste Management Plan.
- (xii) Mitigation measures for noise pollution.
- (xiii) Submission of Traffic Management Plan.

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

- (i) Zero discharge of effluent.
- (ii) Drought tolerant native trees to be included in Greenbelt.
- (iii) Construction of the building to go along with the landscape w.r.t plantation.

It was decided by the Committee that the next meeting of SEAC will be held on 04/09/2009. The Chairman requested the Secretary to invite Sh. Jagdish Sagar, Chairman – SEIAA for the next meeting.

The meeting ended with vote of thanks to the Chair.
