

Minutes of the 7th meeting of State Level Expert Appraisal Committee(SEAC) held on 15.05.09 from 10:00 am to 6:00 pm in the Conference Room of DPCC

The 7th meeting of State Level Expert Appraisal Committee (SEAC) was held on 15-05-09 in the conference room of DPCC. The meeting was held 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. A.K. Ambasht | - Member Secretary |

Dr. D.D. Basu from CPCB also attended the meeting as special invitee. Dr. Anil Kumar of the Department of Environment and Dr. M.P George of DPCC also assisted the Committee.

The Chairman welcomed all members of the Committee and, the committee discussed the minutes of the 6th meeting of the SEAC and the same was confirmed by the members with the minor modifications suggested by one member with respect to two cases 20, 22, 23 and 31.

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

Case No. 42

Project Name : Expansion of Educational Institute at Hauz Khas, IIT, Delhi.

Project Proponent : Indian Institute of Technology, Hauz-Khas, Delhi.

The proponent made presentation for Expansion of Educational Institute (IIT-Delhi) at Hauz Khas, Delhi. Total plot area is 12,26,282 sq.mt with 7,65,572 sq.mt as ground covered area for existing building and 1,10,312 sq.mt as ground covered area for the proposed expansion/ Phase-I. The Built-up area for the proposed expansion/ Phase-I is 2,04,367 sq.mt. The coverage area of existing buildings is 1,39,717 sq.mt and that of presently proposed expansion/ Phase-I is 36,944 sq.mt. The area demarcated for future expansion is 1,91,393 sq.mt. FAR of proposed expansion/ Phase-I is 1,75,000 sq.mt. Lawns and Parks will be provided in the area of 223016.06 sq.mt. It has been proposed to provide total

ECS of 5500. Estimated fresh water requirement for the proposed expansion project site during operational phase is 391 KLD. Main source of water will be municipal water supply augmented by bore wells. The quantity of wastewater generated is approx. 336 KLD. This wastewater will be discharged into the STP of 403 KLD capacity provided within the site. The quantity of recycled wastewater generated is approx. 302 KLD from the expansion of project and this recycled water will be used for flushing (117 KLD), horticulture (170 KLD) and road washings & recreation (15 KLD). Approx. 1655 Kg/day solid waste will be generated from proposed project. The power requirement for the presently proposed expansion is estimated as 4465 KW and will be supplied by BSES. 12 D.G Sets comprising of 1 x 80 KVA, 1 x 400 KVA, 2 x 240 KVA, 1 x 150 KVA, 1 x 60 KVA, 1 x 200 KVA, 1 x 450 KVA, 1 x 10 KVA, 1 x 40 KVA, 1 x 70 KVA, 1 x 60 KVA capacities (total 2000 KVA) will be installed as back up during power failure. 8 Rain Water Harvesting pits have been proposed for the project. Rain Water Harvesting will be done by water collected from storm water drainage system. The cost of the Presently Proposed Expansion/ Phase-I is Rs. 425 crores. Mr. Naimmuddin was deputed by the Director on behalf of the project.

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. Submission of revised Form 1 and 1A after making necessary correction.
- ii. Proper demarcated layout plans of the proposed expansion.
- iii. Details of Service Lines.
- iv. Site identification for compensatory plantation and permission for felling tress.
- v. Existing landscape design and the proposed landscape plan.
- vi. Water sources during construction phase and operation phase.
- vii. Details of 5-10 m wide peripheral green belt.
- viii. Revised water balance chart.
- ix. Location and detailed design of the proposed STP.
- x. Feasibility of having STP for the entire building.
- xi. Details of baseline data on soil, air, water quality & noise levels.
- xii. Traffic management plan with layout plan.
- xiii. Details of Rain Water Harvesting scheme..
- xiv. Details of Energy Conservation Plans.
- xv. Clearance from Chief Fire Officer.
- xvi. Details of Disaster Management Plan.
- xvii. Details on E-waste Management.

It was decided by the committee that expertise available within the institute should also be utilized in addressing the above mentioned issues

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

- i. Ground water should be extracted only with the permission from DJB..
- ii. Discharge of treated waste water as per CPCB norms.
- iii. Setting up an on-site paper recycling unit.

Case No. 29

Project Name : “Paradise Mall” at Plot No. 23, Shivaji Place, District Centre, Raja Garden, New Delhi.

Project Proponent : M/S Gold Cause Construction Pvt. Ltd. 51, Furniture Block, Kirti Nagar, New Delhi.

The proponent made a presentation on the proposal. The proposal is for grant of Environmental Clearance for the “Paradise Mall” at Plot No. 23, Shivaji Place, District Centre, Raja Garden, New Delhi" on plot area of 11427.0 sq.mt and built-up area of 41529.916 sq.mt with two basements. The proposed project will have both basement and ground level parking making a total of 504 ECS. Total height of the building is 30 mtrs. The total water requirement is 171 KLD. Of the total of 287 KLD, 192 KLD will be fresh water, the requirement of which will be met from municipal supply and the rest will be from recycled water from STP. The total wastewater generated will be 84 KLD. STP of 100 KLD capacity, based on fluidized aerobic bioreactors will be set up for wastewater treatment and treated wastewater will be utilized for cooling and horticulture. No waste water will be discharged to sewer line. 4 numbers of rainwater recharge wells will be provided for rainwater harvesting. Total power requirement will be 4535.92 KW. DG sets of 1500 KVA x 3, 1010 KVA x 1 and 500 KVA x 1 will be set up for power backup. The total solid waste generation will be 399 Kg/day. Green area proposed is 3800 sq.mt. The total cost of the project is Rs. 154 crores. The project proponent informed the committee that 80% of the structural work has been completed before the submission of the application for EC, as he was not aware of the need to take EC for his project.

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

- i. Written commitment of Rs. 7,50,000 as recurring grant and Rs.10 lacs as one time grant for investing under CSR scheme and the inclusion of Raghbir Nagar for the CSR benefits and submission of a detailed action plan for the utilization of earmarked CSR funds.
- ii. Revised EMP w.r.t :
 - Capital expenditure for landscaping.
 - Cost of STP maintainance and waste water management.
 - Cost of adoption of energy conservation measures.

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

- i. Plantation should be initiated during coming monsoon.
- ii. CPWD safety norms should be followed during construction phase.

Case No. 33

Project Name : C/o venue for Automated Multilevel Car Parking cum Commercial Complex at Kamala Nagar.

Project Proponent : M/s SMS Infrastructure Ltd, 405, 4th Floor, 32-33 Kusal Bazaar, Nehru Place, New Delhi-110019

The proponent made presentation second time on the proposal. The proposal is for grant of Environmental Clearance for the Construction of venue for Automated Multilevel Car Parking cum Commercial Complex at Kamala Nagar. The total plot area of the project is 3195.195 sq.mt with total built-up area of 25561.56 sq.mt. The proposed building will have Ground + 2 no. of floors and 7 basements. Basements will be utilized for parking whereas Ground + 2 Floors will be utilized for commercial purpose. Total water demand during the operation stage will be 32 KLD that will generate waste water around 29 KLD. This wastewater will be drained down to MCD sewer tank which will be treated in existing Wazirabad STP. It is proposed that the landscape and greenbelt will be developed on 850 sq.mt area. Total parking space proposed is for 828 cars and 200 two wheelers. The maximum power demand will be about 800 KW and will be supplied by NDPL. To serve the requirement of power back up 2 no. of 500 KVA DG sets shall be installed on terrace. Total solid waste generated (biodegradable & non-biodegradable) will be 115.2 kg/day, which will be disposed at nearest dumping 'Dhalao' of MCD. The total cost of the project is

Rs.160 crores. M/s Infrastructure Ltd will be responsible for all environmental compliance during construction and operation phase.

Based on the information furnished, presentation made and discussions held, the Committee **recommended the case to SEIAA** for Environmental Clearance subject to submission of following information and presentation in the next SEAC meeting.

- i. Revised Form-1A.
- ii. Details of floor-wise layout plan.
- iii. Details of green belt area.
- iv. Predicted value of vehicular exhaust during worst scenario.
- v. Details of structural stability.
- vi. Details of proposed Sewage Treatment Plant.
- vii. Details of Rain Water Harvesting Scheme.
- viii. Details of Environmental Management Plan with budget.
- ix. Detailed Traffic Management Plan.
- x. Details of Budget and Action Plan for CSR.

It was decided that a condition should be made that MCD will bring out a notification for making the area as no parking zone and will terminate all parking permission given to different vendors within the specified densely congested pockets after the operation of multi level car parking completed.

Case No. 36

Project Name: Business Hotel at Dwarka, Sector-21, Metro Station Complex, New Delhi.

Project Proponent: M/s Delhi Metro Rail Corporation Ltd.

The proponent made a presentation on the proposal for grant of Environmental Clearance for "Construction of Business Hotel at Dwarka, Sector-21, Metro Station Complex, New Delhi" on plot area of 29,999 sq.mt consisting of 3 basements + GF + 6 upper floors + 1 transfer floor. There will be 400 guest rooms. The proposed built-up area as per FAR is 43,891 sq.mt and total construction built up area (FAR + non FAR area) is 85883 sq.mt. Landscaping area is 4500 sq.mt. Parking facility will be provided in 27,658 sq.mt. Total parking facility proposed is for 1328 ECS + 3 Bus Parking in 3 basements (3 level basements). Total power requirement during operation phase will be 6515 KVA and 3 DG sets of 1250 KVA will be provided for power back up during electricity

failure. The total domestic water requirement is 709 m³/day. The fresh water requirement for operation phase is about 410 m³/day, which will be supplied by DJB. About 372 m³/day of waste water will be generated during the operation phase and this will be treated at the on-site STP having capacity of 500 m³/day. The treated water from STP will be about 334 m³/day and will be recycled and reused for flushing, HVAC and landscaping purposes. No waste water will be discharged into sewer. Total solid waste generated is 2204 kg/day. Out of the total solid waste generated, the wet garbage is 1424 kg/day and dry garbage is 527 kg/day. Wet garbage will be passed through waste pulverizer, through which 70% of the waste is converted as liquid and the rest of solid residue will be used for compost. Rainwater harvesting is done using 9 percolation pits/borewells having 0.6 x 0.6 m size & 12 m depth each. The total cost of the project is Rs. 320 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 submission of following documents by the project proponent: -

- i. Authorization letter from DMRC in favour of Taj Group.
- ii. Comparative account of the ambient air quality of the proposed site and NSIC site.
- iii. Details of real time chart for noise levels.
- iv. Feasibility of using on-site organic waste converter.

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

- i. Ensuring water availability for the project before starting the construction.
- ii. No ground water extraction during construction and operation phase with out permission from DJB.
- iii. Clearance from Chief Fire Officer.
- iv. Oil Fired/Electric boilers to be replaced by solar steam generator.
- v. Adoption of Evacuation plan as followed in Taj Hotel, Bombay.

Case No. 37

Project Name : Proposed Expansion of Hotel “The Grand” at Vasant Kunj- Phase II, Nelson Mandela Road, New Delhi-110070

Project Proponent: M/s Unison Hotels Pvt. Ltd. Vasant Kunj- Phase II, Nelson Mandela Road, New Delhi-110070

The proponent made a presentation for the Environmental Clearance for the expansion of hotel “The Grand” at Vasant Kunj- Phase II, Nelson Mandela Road, New Delhi-110070” on plot area of 40,000 sq.mt. FAR of existing area is 29,790 sq.mt and proposed additional FAR is 59940.61 sq.mt. The Built up area of existing area is 55,658.2 sq.mt and the total proposed Built-up area is 85,194 sq.mt. Green cover will be on 10,000 sq.mt. Parking facility for the proposed expansion of hotel is for 1997 ECS. The total power requirement is 5322 KW and will be supplied by BSES. 2 DG sets of 1650 KVA each and 1 DG set of 2000 KVA have been proposed for power back up during electricity failure. The total water requirement for the proposed project is 808.76 KLD, out of which 390 KLD is the potable water demand. Source of water supply will be tankers augmented by existing bore wells on the project site. Approximately 466 KLD of waste water will be generated during the operational phase and will be treated in a well designed on-site STP having capacity of 560 KLD based on MBR Technology. About 419 KLD of treated waste water will be used for flushing, horticulture, DG cooling and HVAC. There will be zero discharge. The total solid waste generated is 1690.65 kg/day. Organic waste will be subjected to vermi-composting and inert solid waste will be transported to the designated landfill site in the area. Rainwater harvesting will be done by collecting the rain water from terraces and other open areas through 4 rain-water harvesting pits. The total cost of the project is Rs.131 crores.

Before the presentation of the project by the proponent, it was brought to the notice of the committee that the MoEF’s committee recommended to the Supreme court that in the 92 hectares constraint area, which includes the grand at Vasant Kunj. low FAR for the existing structures then the Supreme court accepted recommendation made by MoEF. In light of this, the Committee informed the proponent that the project will be taken up for the consideration only after detailed examination of the MoEF’s Committee report and Supreme Court order relating to the built- up area in 92 hectares of constraint area at Vasant Kunj.

The committee requested MS (SEAC) to get the above mentioned documents from MoEF.

Case No. 40

Project Name : Construction of Deen Dayal Upadhyaya College Project at Sector-3, Dwarka, New Delhi

Project Proponent : Deen Dayal Upadhyaya College, Shivaji Marg, Karampura, New Delhi- 110015

The proponent made a presentation on the additional information sort by the Committee. The project details are as follows:-

The proposed coverage area of buildings at ground floor is 6599.757 sq.mt. The project includes the construction of 6 floors above ground level for college building and 1 level basement. The proposed maximum height achieved will be 33.15 m. Proposed FAR is 41556.023 sq.mt. The total built up area (including basement area) for the proposed project is 51,027.853 sq.mt. Proposed landscape and green area will be 18128.219 sq.mt. It is proposed to provide a total ECS of 617 in the 1 level basement and surface in the complex. The total area covered under basement parking is about 5800 sq.mt. Total water requirement during the operation phase will be 342 m³/day, which will be provided by DJB. Only in case of non-supply of municipal water, use of ground water will be made after treating it in RO purifiers. Non-potable use of water for toilet flushing, gardening and cooling tower will be partly met through recycled water from the proposed STP. Waste water generation is estimated to be 14700 litres/day and will be treated at the on-site STP having capacity of 150 m³/day. The sludge generated from the STP (60-75 kg/day) will be taken through filter press and used for the horticulture purpose within and outside the campus. Power demand is estimated to be about 2960 KW. As per the BSES, 11 KV HT city power supply is provided for the projects in Dwarka for demand load up to 5.5 MVA and 66 KV for larger requirements. 2 DG sets of 500 KVA will be provided for power back up. Total solid waste generation will be 310 kg/day. The estimated cost of the project including construction and machinery is expected to be Rs.100 crores.

The Committee suggested that species such as Jamun and Arjun should be included in the list of plants proposed for the development of green belt. Based on the information furnished, presentations made and discussion held the committee decided to **recommend the project to SEIAA for EC.**

Case No. 41

Project Name : Laying of Interceptor Sewer along Najafgarh,
Supplementary and Shahdara Drains for Abatement of
Pollution in River Yamuna

Project Proponent : M/s Delhi Jal Board, Govt. of NCT Delhi, Varunalaya
Phase-II, Jandewalan, Delhi-110005

The proponent made a presentation on the additional information sort by the Committee. The details of the project are as follows:-

Delhi Jal Board is implementing the Interceptor Sewer System along Najafgarh, Supplementary and Shahdara in Delhi. The project planned for abatement of pollution in River Yamuna as per the recommendations of Expert Committee appointed by Hon'ble Supreme Court in the 'Maily Yamuna' case. **The project, essentially, consists of commissioning of wastewater intercepting chambers on the sub-drains of three major drains, laying interceptor sewers using trenchless technology for conveyance of the intercepted wastewater and then its pumping via rising mains from pumping stations up to sewage treatment plants.** The major construction includes the Interceptor Sewers (0.1 Ha), Intercepting Chambers (2.9 Ha) and New Pumping Stations (9.9 Ha) and this makes the total area required is 12.9 hectares. The work will be carried out along the corridors of main drains in designated land use areas only. The system includes Intercepting Chambers consist of sub- components like float booms/trash racks, Adjustable weir structure at sub-drain and outfall and intercepting sewer connector; Interceptor Sewers and Manholes along alignment of Interceptor Sewers; and Pumping Stations and Rising mains. Chamber construction includes float boom systems for trapping floatables, adjustable weirs, overflow chambers, screen chamber with screen cleaning system, grit chamber for grit removal, outlet chamber, and intercepting sewer connection. Interceptor sewer costs are based on micro-tunneling and pipe-jacking.

This project includes the installation of new sewer lines where sewage network does not exist to trap sewage flows in surface drains and augmentation of new sewage treatment plants (STP) and construction of pumping stations (NPS) for conveyance of the intercepted flows into the STPs. Interceptor Sewers are predominantly aligned along the main drains within the embankment boundaries and away from residential areas. Stakeholders involved with implementation/planning & operation of this project are: Irrigation & Flood Control Deptt., MCD, DDA, DSIIDC, DPCC, Delhi police and Traffic Police. Although government of Haryana and government of U.P are also the stakeholders but the present project does not cover both the States. Monitoring of project will be done by DJB. Land for laying of Interceptor Sewers and Intercepting Chambers along banks of main drain is from I & FC Deptt; and the construction of New Pumping Stations will be on the designated land of DJB/DDA. For crossing of railways, metro lines and highways falling within proposed project site, clearances from the authorities responsible for these areas will be taken. The construction work has been divided in to 6 packages, namely Package 1– Dwarka; Package 2 – Nilothi Keshopur; Package 3 – Coronation Pillar; Package 4 – Rithala Rohini; Package 5 – Shahdara North and Package 6 – Shahdara South. The construction will

proceed concurrently on all the locations. The interceptor length is 58 kms with 132 numbers of Intercepting chambers, 16 kms of Rising Mains and 7 numbers of Sewage Pumping Stations. DG set to be used during power failure. The total expected cost of the project is Rs 1726 Crores.

Before the presentation, of the additional information, the Committee discussed the site visit report by the sub-committee consisting of Professor S.K. Saha, and Dr. D.D. Basu and the Committee accepted the report ; the Committee also recommended that all the conditions stipulated in the report should be prescribed as conditions at the time of issuing EC.

Based on the documents submitted, presentation made and discussion held, the committee **recommended the project to SEIAA for EC** subject to the following conditions (including those recommended by the sub-committee):

- i) DJB to report DPCC in the case of failure of interception sewer with an action plan to make it functional.
- ii) Monthly monitoring report to be submitted to DPCC.
- iii) DJB shall obtain Consent to Establish and Consent to Operate under Air & Water Act from DPCC.
- iv) Since during time of rainy season, separation from waste water from storm water is not practicable. DJB shall utilize or install Gauzing stations with a mark indicating flow for collection of wastewater.
- v) Online monitoring of BOD at the interception chamber.
- vi) Over burden of excavated soil, shall be utilized for making bunds followed by plantation around STP site.
- vii) De-silted material to be disposed to secured municipal landfill and while transporting the material, the truck should be covered so as to avoid dust emission.
- viii) Safety plans should follow NHRC, EIL and DJB norms.
- ix) Project Monitoring Committee should include one technical expert from CPCB and one from DPCC.
- iv) Monitoring should be done during both construction and operation phase.

Case No. 43

Project Name : Proposed Construction of Additional 200 Beds in the Existing Indraprastha Apollo Hospital at Sarita Vihar, Mathura Road, New Delhi.

Project Proponent : M/s Indraprastha Medical Corporation Limited (IMCL),
New Delhi.

The proponent made a presentation on the proposal. It is interalia noted that the proposal is for the grant of Environmental Clearance for proposed Construction of additional 200 Beds in the Existing Indraprastha Apollo Hospital at Sarita Vihar, on existing plot area of 59,571.169 m². The total built-up area of the proposed additional construction is 8264.589 sq.mt to the existing built-up area of 58,242.17 sq mt. The ground coverage area of existing buildings is 10,671.151 sq.mt and that of proposed expansion 1082.32 sq.mt. Area provided for roads is 6235.698 sq.mt and area provided for Service Yard + tank is 3794 sq.mt. The area provided for the open parking (paved) is 18,698 sq.mt. Automated Multilevel Parking will be provided in the area of 2025 sq.mt. The area earmarked for Lawns and Parks will be 16,310 sq.mt area. FAR of the existing building is 50,763.687 sq.mt and that of proposed expansion is 8264.589 sq.mt. The proposed construction of additional 200 beds consists of patient wards, F&B area, doctor's room and minor laboratory facility. This also includes construction of two floors in the existing G+2 floors of the OPD Block and additional one floor in the IPD Block. No change is proposed in existing main hospital building and residential block. Maximum height of the building is 33.45 mt (G+6 of the hospital main block). 16,310 sq mt of area accounts for landscape and green area. The total existing water requirement is 1030 KLD and additional water requirement for proposed expansion is 292 KLD and will be met by DJB supply and existing borewells. Fresh water demand for existing and proposed building is 823 KLD. Wastewater generation of 947 KLD to be treated in existing on-site ETP of 1100KLD. Treated waste water (about 900 KLD) is to be used for flushing of toilets (198 KLD), horticulture (50 KLD) and DG and AC cooling (250 KLD). Total connected power load is 3374 KW (including additional sanctioned load of 565 KW). Total municipal solid waste generation from proposed expansion is about 500 Kg/day and existing is about 1500 kg/day. Biomedical waste generation from proposed expansion is 200 kg/day and from existing building is 615 Kg/day. The total existing parking at basement and surface is for 888 ECS and additional parking for 314 ECS is proposed in automated multilevel parking. The power requirement for the existing building is 2400 KW and that of proposed project is 760 KW. Source of the power supply BSES- Rajdhani. 4 D.G Sets of 750 KVA & 1 D.G Set of 125 KVA will be installed as back up during power failure. 5 Rain Water Harvesting pits have been proposed for the project as per the design approved by the CGWA. Total cost of the expansion project is Rs. 25 Crores. The project is joint venture between Apollo Group of Hospitals & Govt. of NCT.

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) Bio-Medical waste water should not be mixed with domestic sewage and should not be treated at the on-site ETP.
- ii) 5-10m wide peripheral green belt should be developed.
- iii) The quantity of waste water discharged from ETP should be as per the CPCB norms.
- iv) Organic waste converter may be used for composting wastes of plant origin.
- v) Ground water should be extracted only with the permission from DJB.

It was decided by the Committee that the next meeting of SEAC will be held on 19/06/2009.

The meeting ended with vote of thanks to the Chair.
