

State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

File No. : F1 (4) SEIAA SEAC-Raj Sectt Project Cat. 8(a) B2 (590) /13-14 Jaipur, Dated: 30 JAN 2015

To,

Ms. Manju Sharma

Managing Director.

Eternal Heart Care Centre and Research Institute

3A, Jagatpura Road, near Jawahar Circle,

Jaipur -302020 Rajasthan.

Sub:EC for Eternal Heart Care Centre and Research Institute, 3A, Jagatpura Road, near Jawahar Circle, Jaipur -302020 Rajasthan.

This has reference to your application no. EHCCRI/2013/182 dated. 25.06.2013 seeking environmental clearances for the capacity enhancement of above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meeting held on 25-26.07.2013 and 30.01.2015

2. Brief details of the Project:

| | | | | | |
|----|--|---|----------------------------------|--|-------------|
| 1. | Item No. in the list of Schedule Category: | 8(a) B2 New project | | | |
| 2. | Location of Industry - project | for Eternal Heart Care Centre , Research Institute and Super speciality care Hospital located at 3A, Jagatpura Road, near Jawahar Circle, Jaipur -302020 Rajasthan. | | | |
| 3. | Total Land Area | Total land area : 7500 sq. m | | | |
| 4. | Project Details | 1. | Total plot area | 7500 sq. m | |
| | | 2. | Total Build up area | 26440.82 sq. m Project involves two basements and eight floors including ground mezzanine & service floor. | |
| | | 3. | Height of the Building | 37.62 mts (As per approved JDA map) | |
| 5. | Parking | Parking Required | As on required up to third floor | | |
| | | Parking provided | 181 ECU 187 ECU | | |
| | | s.no. | Type of parking | Cars | Two wheeler |

| | | | | | | |
|----|------------------------------|---|--------------------------------------|--------------------------|-------------------------------|-------------|
| | | 1. | Open | 71 | 121(40) | |
| | | 2. | Basement-1 | 29 | 16(5) | |
| | | 3. | Basement-2 | 38 | 14(4) | |
| | | | Total | 138 | 151(49) | |
| 5. | Expected Cost | 155 Crores | | | | |
| 6. | Water Requirement & Source: | Total water requirement will be 170 KLD. Out of which 100 KLD will be fresh water Water supply will be made by Water tanker and bore well (as per letter dtd.13.08.13 of CGWA) | | | | |
| 7. | Fuel & Energy | Fuel:- 2 DG sets capacity 1010 KVA HSD requirement 220 Liter per hour Energy:- Connected load 2275.55 KVA from 33 KW @ 400 volts, supply will be from RSEB - JVVNL. | | | | |
| 8. | Environment Management Plan: | s.no. | Description | Capital cost (in laes) | Recurring cost (in laes P.A.) | |
| | | 1. | STP | 35 | 1.5 | |
| | | 2. | Landscaping | 2 | 0.3 | |
| | | 3. | Ground water recharges structure | 15 | 0.10 | |
| | | 4. | Dual plumbing system | 5 | 0.10 | |
| | | 5. | Solar energy utilization application | 15 | 1.0 | |
| | | 6. | Energy efficient lighting | 10 | 1.0 | |
| | | 7. | Acoustic water management | 3.10 | - | |
| | | 8. | Solid water management | 15 | 3.0 | |
| | | | Total | 100 | 7 | |
| 9. | CSR Activities | s.no. | Activities | Capital cost Rs. in laes | | |
| | | | | I st year | II nd year | III rd year |
| | | 1. | Treatment of BPL patients | 100.00 | 150.00 | 200.00 |
| | | 2. | Vocational training camps | 10.00 | 20.00 | 25.00 |
| | | 3. | Cleaning drive in nearby areas | 20.00 | 10.00 | 10.00 |

| | | | | | |
|----|------------------------|--|-----------|--------|--------|
| | 4. | Medical Van & Ambulance free for charge to EWS | 30.00 | 15.00 | 15.00 |
| | 5. | Road Safety, health check up program, yoga classes | 10.00 | 15.00 | 20.00 |
| | | Total | 170.00 | 210.00 | 270.00 |
| | | | Total 650 | | |
| 10 | Green Belt | 750 Sq.Mts. | | | |
| 11 | STP | STP Capacity 150 KLD FAB Technology with Zero Liquid Discharge | | | |
| 12 | Solid waste management | Biomedical Waste – 225 Kg/Day | | | |

3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC Rajasthan hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

PART- A: SPECIFIC CONDITIONS

1. The hospital should not compromise with the environmental issues that might be affected due to the lesser space available area wise in respect to what has been specified in the National Building Code.
2. The E.C. is issued for Super Specialty Tertiary care Hospital of 225 beds with following facilities:-

Cardiology
Orthopedics
Neurosciences

Trauma
Dental
Gynecology
Pediatrics
General Medicine
Urology
Pathological Examination
Radiology
Nuclear Medicine

PART- B: OPERATION PHASE

- i. The PP should comply with the conditions issued vide RPCB CTE letter dated 20.12.2011.
- ii. The P.P. should provide an effective System for collection, segregation of Municipal Solid Waste within the campus and it should be sent to Jaipur Municipal Corporation disposal sites as per Municipal Solid Waste (Management and Handling) Rules,2000.
- iii. The P.P. should provide effective system for collection and disposal of Bio medical waste as per BMW (Management and Handling) Rules 1998 as amended to date.
- iv. The P.P. should ensure that the STP has been constructed for effective treatment of entire waste water generated in the premises and provision has been made for reuse of treated waste water.
- v. The P.P. should ensure that rain water harvesting as per CGWA Guidelines has been provided.
- vi. The P.P. shall ensure implementation of fire fighting plan as per NBC Code requirement for Hospitals.
- vii. All the topsoil excavated during the construction should be used for horticulture/landscape development within the project site.
- viii. Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they do not leach in to the ground water.
- ix. Storm water control and its re-use as per CGWA and BIS standards for various applications should be ensured.
- x. NOC shall be obtained from National State Disaster Management Authority, wherever applicable
- xi. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code 2005 including protection measures from lightening etc.
- xii. Provisions of solar water heating/chilling etc shall be explored and implemented.
- Xiii An independent expert shall certify the installation of the Sewage Treatment Plant (STP) of FAB (Fluidized Aerobic Bio reactor) technology of 150 KLD maintaining zero liquid discharge and a report in this regard shall be submitted to the RPCB.
- XIV Rs 100.00 lacs as capital cost and Rs. 07.00 lacs per anum as recurring cost in addition to existing for EMP shall be kept by the PP and suitable monitoring provisions will be made in the books of accounts.

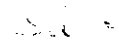
- XV Rain Water harvesting (RWH) for roof run-off and surface run-off, shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The RWH plan shall as per GOI manual.
- XVI The solid waste generated shall be properly collected & segregated before disposal to the City Municipal Facility. The in-vessel bio-conversion technique may be used for composting the organic waste.
- i. Any hazardous waste including biomedical waste shall be disposed of as per application Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.
 - ii. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
 - iii. The D.G. sets to be operated with stack height and acoustic enclosures as per RPCB norms.
 - iv. Incremental polluting loads on the ambient air quality noise and water quality shall be periodically monitored.
 - v. Fixtures for showers, toilet flushing and drinking shall be of low flow either by use of aerators or pressure reducing devices or sensor based control.
 - vi. The total water requirement will be 170 KLD, out of which 100 KLD would be fresh water. Water supply would be from PHED, Water tanker and Bore well as per Ground water Department Letter dated 13.08.2013. The RSPCB should ensure at the time of grant of CTO that the PP is drawing water from a legal source.
 - vii. Use of glass may be reduced by up to 40% to reduce the electricity consumption and load in air-conditioning. If necessary, use high quality double glass with special reflective coating windows.
 - viii. Roof shall meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
 - ix. Install dual plumbing system to ensure maximum recycling of water.
 - x. The P.P shall take measures to ensure 10% reduction of overall power demand which shall be met by solar system. In this regard solar heaters on terrace top- of all hostels and solar street lighting may be provided
 - xi. Re-cycle water to match standards for cooling water.
 - xii. Application of solar energy shall be incorporated to illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for a portion of the apartments shall be provided.

- xiii. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided parking shall be fully internalized and no public space shall be utilized.
- xiv. A Report on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy Efficiency shall be prepared incorporating details about building materials & technology, R&U Factors etc. Quantify energy saving measures.
- xv. Proper system of channelizing excess storm water shall be provided.
- xvi. The PP shall ensure implementation of proposed CSR activities, as Rs. 650 Lacs spread over 3 year (170 lacs for first year, 210 lacs for 2nd year and 270 lacs for 3rd year).
- xvii. Regular and periodic mock-up drills shall be undertaken by the fire department at least once in a year.
- xviii. The P.P shall review and specify employment opportunities (direct/indirect numbers) to local persons
- xix. Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.
- xx. Adequate measures should be taken to prevent odor from solid waste processing and STP.
- xxi. Green belt should be developed in 750 Sq.Mt. area as proposed plantation .

General conditions:

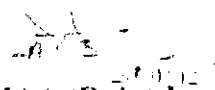
- i. The environment safeguards contained in Form I-A shall be implemented in letter and spirit.
- ii. Six monthly monitoring reports shall be submitted to Rajasthan and Rajasthan State Pollution Control Board.
- iii. Officials of the RPCB, who would be monitoring the implementation of environmental safeguards, shall be given full cooperation facilities and documents/data by the PP during their inspection. A complete set of all the documents submitted to SEIAA, Rajasthan shall be forwarded to the DoE, Rajasthan and Rajasthan State Pollution Control Board.
- iv. In case of any change (s) in the scope of the project the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.
- v. The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
- vi. All the other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (protection) Act, 1972 etc. shall be obtained, as may be applicable, by P.P. from the competent authority.

- vii. The P.P. shall ensure advertising in at least two local news papers widely circulated in the region, one of which shall be in vernacular language that, the project has been accorded environmental clearance and copies of the clearance letters are available with SEIAA, Rajasthan Pollution Control Board and may also be seen on the website of the Board at www.rpcb.nic.in. The advertisement shall be made within 7 (seven) days from the date of issue of the environmental clearance and a copy shall also be forwarded to the SEIAA, Rajasthan and Regional Office, Jaipur (S) of the Board.
- viii. These stipulations would also be enforced amongst the other under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
- ix. Environment Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) no. 460 of the year 2004 as may be applicable to this project.


(Yogendra Kumar Dak)
Member Secretary,
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Aika Kala, Chairman, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Shri Sankatha Prasad, Member, SEIAA, Rajasthan, 250, Gomes D'fance Colony, Vaishali Nagar, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan Pollution Control Board, Jaipur.
6. Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'II', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
- ✓ 9. Programar, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this environmental clearance on the website.


M.S. SEIAA (Rajasthan)