

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(629)/13-14 Jaipur, Dated: **31 JAN 2014**

To,

M/s R-Tech Housing Pvt. Ltd.
IInd Floor, Wadhwa Plaza-II,
Plot no.-5, Central Market ,
Sec.-10, Dwarka,
New Delhi-110075

Sub: E.C. for "Capital Greens"(Group Hosing Project) At Vill- Milakpur Gurjar,
Bhiwadi, Tehsil- Tijara, Alawar, Rajasthan,

Sir,

This has reference to your application dated 31.10.2013 seeking environmental clearances for the above project under Environment Management Plan Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the Environment Management Plan Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, Environment Management Plan, Environment Management Plan and additional clarifications furnished in response to the observation of the State Level Expert Committee Rajasthan, in its meeting held on 26-27.12.2013.

2. Brief details of the Project:

1.	Category / Item no.(in Schedule):	Cat.8(a)B2																																							
2.	Location of Project	At Vill- Milakpura Gurjar, Bhiwadi, Tehsil- Tijara, Alawar, Rajasthan,																																							
3.	Project Details	<table> <tr> <th>S. No.</th><th>Particular</th><th>Area (m²)</th></tr> <tr> <td>1.</td><td>Plot area</td><td>37,837.340 (9.350 acres)</td></tr> <tr> <td>2.</td><td>Total permissible</td><td>73,621.592</td></tr> <tr> <td></td><td>➤ issible (@ 1.8) Perm</td><td>68,107.212</td></tr> <tr> <td></td><td>➤ ional FAR surrendered in road Addit</td><td>5,514.380</td></tr> <tr> <td>3.</td><td>Proposed FAR (proposed + purchasable FAR) (A)</td><td>75,172.396</td></tr> <tr> <td></td><td>➤ osed FAR Residential Prop</td><td>73,621.592</td></tr> <tr> <td></td><td>➤ asable Residential FAR area Purch</td><td>1,249.384</td></tr> <tr> <td></td><td>➤ asable Community shopping area Purch</td><td>301.420</td></tr> <tr> <td>4.</td><td>Permissible Ground Coverage (@35%)</td><td>13,243.069</td></tr> <tr> <td>5.</td><td>Proposed Ground Coverage (@ 20.06%)</td><td>7,590.622</td></tr> <tr> <td>6.</td><td>Non FAR (B)</td><td>30,299.902</td></tr> <tr> <td></td><td>➤ Resid</td><td>30,263.862</td></tr> </table>	S. No.	Particular	Area (m ²)	1.	Plot area	37,837.340 (9.350 acres)	2.	Total permissible	73,621.592		➤ issible (@ 1.8) Perm	68,107.212		➤ ional FAR surrendered in road Addit	5,514.380	3.	Proposed FAR (proposed + purchasable FAR) (A)	75,172.396		➤ osed FAR Residential Prop	73,621.592		➤ asable Residential FAR area Purch	1,249.384		➤ asable Community shopping area Purch	301.420	4.	Permissible Ground Coverage (@35%)	13,243.069	5.	Proposed Ground Coverage (@ 20.06%)	7,590.622	6.	Non FAR (B)	30,299.902		➤ Resid	30,263.862
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		entail area		
		Com	36.04	
		munity shopping area		
	7.	Stilt/podium area (c)	22,421.4	
	8.	Club area	761.967	
	9.	Built up area (A+B+C)	1,28,655.665	
	10.	Max Floors	G+20	
	11.	Landscape Area (28.2% of plot area)	10,643.699	
	12.	Maximum Height of Building	68.05 m	
		FAR = Floor Area Ratio		
4.	Parking	Adequate Parking (1300 ECS) provision will be kept for vehicles parking in the project. Besides this, internal road of adequate width within the project will facilitate smooth traffic movement.		
		SI. No.	Vehicles	Parking Proposed
				No. No. of ECS
		1.	Cars	963 963
		2.	Scooters (1 ECS =3 Scooters)	821 274
		3.	Cycles (1ECS=6 cycles)	379 63
			Total parking Proposed	2,163 Nos. 1,300 ECS
5.	Project Cost:	230.14 crore		
6.	Water Requirement & Source	During operation phase, the agency of water supply will be from the concern Authority. The total water requirement is approx. 860 KLD out of which, total domestic water requirement is approx. 563 KLD. The daily water requirement & sewage calculation is given below		
		S. No.	Particulars	Total Occupancy Rate of water demand (lpcd) Total water requirement (KLD)
			Residential	
		1.	Residential	5540 135 748 KLD
			➤ Staff	277 45 12 KLD
			➤ Visitors	554 15 8 KLD
		2.	Club/community shopping	
			➤ Staff	59 45 3 KLD
			➤ Visitors	236 15 4 KLD
			Domestic Water requirement (1+2)	775 KLD
		3.	Make up water for swimming pool	5 KLD
		4.	Filter back wash	15 KLD
		5.	Horticulture	10,643.699 m ² 4 lt/m ² 43 KLD
		6.	DG sets (2*750 kVA & 4*380 kVA)	0.9 lt/kVA/hr 22 KLD
			Total water requirement (1+2+3+4+5+6)	860 KLD
7.	Fuel & Energy:-	The power supply will be supply by jaipur vidyut vitran nigam limited. The total maximum demand is estimate at 3540 KVA. Power backup will be through 6 nos DG sets of (2x750 KVA + 4x380 KVA)		
8.	Environment Management Plan	Environmental Monitoring Plan during Construction		
		S. No.	Particulars	Parameters Frequency Approx. Recurring cost/ Annum (Rs. In Lacs)
		1.	Ambient Air Monitoring	PM _{2.5} , PM ₁₀ , SO ₂ , & NO ₂ & CO Twice a Year 2.0

		2.	Stack Emission Monitoring	PM, SO ₂ , NO ₂ , HC & CO	Twice a Year	2.0	
		3.	Water quality Monitoring	Drinking water specification	Twice a Year	2.0	
		4.	Noise Level Monitoring	24 Hrs. Noise Level	Twice a Year	1.0	
		Total					Rs. 7.0 Lacs
		Environmental Monitoring Plan during Operation					
		S. No.	Particulars	Parameters	Frequency	Apperox. Recurring cost/ Annum (Rs. in Lacs)	
		1.	Ambient Air Monitoring	PM _{2.5} , PM ₁₀ , SO ₂ & NO ₂ & CO	Twice a Year	2.0	
		2.	Stack Emission Monitoring	PM, SO ₂ , NO ₂ , HC, CO	Twice a Year	2.0	
		3.	Treated Effluent Monitoring	PH, BOD, COD, Oil, Grease & Total Suspended solids	Twice a Year	2.0	
		4.	Noise Level Monitoring	24 Hrs. Noise Level	Twice a Year	1.0	
5.	Ground water Monitoring	Drinking water Specification as per IS 10500	Twice a Year	2.0			
Total					Rs. 9.0 lacs		
9.	CSR Activates	CSR 1. Learning Excellence Centers (16.74%)-0.39 Cr. 2. Rural Primary Health Centers (16.74%)-0.39 Cr. 3. Public libraries in villages & town (15.54%)-0.36 4. Vocational Training Centers (10.87%)-0.25 Cr. 5. Plantation of trees in town & semi-urban areas (14.40%)-0.33 Cr. 6. Aganvadi slum children education initiative (15.38%)-0.35 Cr. 7. Rural Sanitation-Ladies Toilets in Schools (10.33%) -0.23 Cr. Total -2.30 Cr.					
10.	STP	STP of capacity 820 KLD based on FAB technology.					
11.	Green Belt/ Plantation	10,643.699 sq. m. (28.2%) out of the total area 5321.9 sq. m. will be used for tree plantation within the complex and along the roads and 5321.9 sq. m. will be covered by green pavers.					
12.	Budgetary Breakup for Labour	Facilities for workers/labourers			Total expenditure		
		• Safe and hygienic working conditions will be provided for the workers both during construction and operational phase of the project.			4,00,000/-		
		• Drinking water and sanitary facilities of the type of mobile sulabh shauchalayas will be			3,00,000/-		

	provided during construction phase.	
	First aid facilities will be maintained at readily accessible place where necessary appliances including sterilized cotton, wool, etc shall be available.	5,00,000/-
	Create environment awareness amongst the staff and occupants through posters, distribution of pamphlets, notices etc.	8,00,000/-
	Routine inspection, cleaning and maintenance of the site for the labourers.	8,00,000/-
	Creche facilities will be provided to children of labour.	7,00,000/-
	Temporary hutments will be provided to the labourers as per the guidelines.	12,00,000/-
	Total	Rs. 47.00 Lacs

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

I. CONSTRUCTION PHASE

- i "Consent to Establish" shall be obtained from RPCB before start of any construction work at the site.
- ii The PP shall obtain a "No objection certificate for height clearance for the envisaged level from the Airports Authority of India.
- iii No Mobile tower shall be installed.
- iv The P.P. shall comply with the guide lines for High Rise Buildings as per Office Memorandum no. 21-270/2008-IA.III dt. 07.02.2012 and amendments made therein.
- v As envisaged, the P.P. shall invest at least an amount of Rs. 7 lacs during construction phase and 9 Lacs during operational phase (before the project is put into use) for implementing various environmental protection measures.
- vi The PP has proposed an amount of Rs.2.3 Crore spread over 5 years under CSR as above. The expenditure on these activities shall be reflected in the books of account when presented for auditing of accounts. The proposal should contain provision for toilets for girls in nearby schools. The proposal should contain provision for monthly medical camps, distribution of medicines and improvement in educational facilities in the nearby schools. Detailed action plan of CSR activities shall be submitted by the PP to RSPCB at the time of applying for "Consent to Establish".
- vii Green belt/Landscaping should be developed in 10,643.699 sq. m. (28.2%) area, as proposed.
- viii That the grant of this E.C. is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry / unit / project proponent. Any appeal against this environmental clearance shall lie with the National

- Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.
- ix For conservation of electricity and to reduce energy losses the management shall ensure that the electrical voltage is stepped down from 33 KV to 11 KV and distributed at this level and finally brought to 440 volts.
 - x The PP shall obtain approval of drawings of laying electrical lines from the concerned SE of RRVPNL/ JVVNL and comply with the provisions as per Terms and Conditions for Supply of Electricity-2004 of JVVNL.
 - xi The PP shall full fill the requirements of energy regulatory commission.
 - xii All energy saving measures proposed by the PP should be implimented before the project is put into use.
 - xiii Road width and bend should be adequate for easy movement of fire fighting vehicles.
 - xiv The P.P. shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site . The proposed Budgetary provision of Rs 47 Lacs shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants. The housing may be in the form of temporary structures to be removed after the completion of the project. Details of provisions should be submitted to RPCB at the time of obtaining CTE.
 - xv The drains should be of adequate capacity and be lined till the final disposal points.
 - xvi As proposed ,the entire waste water during the construction phase should be discharged through the Septic tank followed by soak pit and during post construction phases STP of capacity 820 KLD of FAB technology.The construction of the STP should be carried out simultaneously with that of the project and the STP should be functional before the project is put into use.
 - xvii All required sanitary and hygienic measures shall be in place before starting construction activities. The safe disposal of waste water and solid waste generated during the Construction phase shall be ensured.
 - xviii All the laborers engaged for construction shall be screened for health and adequately treated before engaging them to work at the site.
 - xix All the topsoil excavated during the construction shall be stored for use in horticulture/landscape development within the project site.
 - xx Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking necessary precautions for general safety and health aspects of the people, only at approved sites with the approval of competent authority.
 - xxi Soil and ground water samples will be tested to ascertain that there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants.
 - xxii 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 into the ground water.
 - xxiii The diesel generator sets to be used during and post construction phase shall be of low-sulphur-diesel type and shall conform to Environment (Protection) Rules for air and noise emission standards.
 - xxiv Vehicles hired for bringing construction material and laborers to the site shall be in good conditions and shall conform to applicable air and noise emission standards and shall be operated during non-peak/approved hours.
 - xxv Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase.
 - xxvi Fly ash shall be used as building material in the construction as per the provisions of Fly Ash notification of September, 1999 and amended as on August, 2003.
 - xxvii Ready mixed concrete shall be used in building construction.

- xxviii NOC shall be obtained from National State Disaster Management Authority, wherever applicable.
- xxix Provision for storm water harvesting and its re-use as per CGWA and BIS standards for various applications should be implemented before the project is put into use.
- xxx Guidelines issued by concerned Ministry for water scarce areas may be followed.
- xxxi Water demand during construction shall be reduced by the use of pre-mixed concrete, curing agents and other best practices. In place of fresh water, effort should be made to use treated waste water from nearby areas.
- xxxii Total domestic water requirement shall not exceed 643 ML construction stage and 860 KLD post construction phase, obtained from PHED, as proposed. The necessary permission of water supply should be submitted to RSPCB at the time of applying for CTE. At the time of applying for CTE the PP should get it confirmed from RSPCB that no illegal bore well exists in the proposed site.
- xxxiii Building Plan should be got approved from the competent Authority and the construction should be as per the approved building plan and as per applicable provisions in NBC.
- xxxiv The P.P. should ensure compliance of the order of the Hon'ble Rajasthan High Court, Jodhpur, in D. B. Civil writ petition no. 1536 of 2003 in the matter of Abdul Rahman vs. State of Rajasthan and others.
- xxxv Adequate measures shall be taken to reduce air and noise pollution during construction as per CPCB norms.
- xxxvi 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.
- xxxvii 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.
- xxxviii Roofing should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- xxxix Opaque walls shall meet prescriptive requirement as per Energy Conservation Building Code for all air-conditioned spaces, whereas, for non-air-conditioned spaces, by use of appropriate thermal insulation material to fulfill the requirement.
- xl Provision of solar water heating /chilling/street lighting etc shall be explored and implemented.
- xli Review and revise the requirement of DG set capacities for 100% power back up through optimization of power back up in case of power failure and emergency.
- xlvi A First Aid Room should be provided at the project site, both, during construction and operation phase of the project.
- xlvi Any hazardous waste generated during construction phase shall be disposed off as per applicable rules and norms with necessary authorization of the RPCB.
- xlii The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of fire fighting equipments, etc as per National Building Code 2005 including protection measures from lightening etc.
- xlii Regular supervision of the above and other measures for monitoring shall be in place throughout the construction phase, so as to avoid nuisance to the surroundings.
- xlii During construction phase and Post construction / operation phase of the project, the project proponent shall be responsible for implementation of EIA/EMP. Commitment of proponent in this regard shall be submitted to RPCB at the time of applying for CTE.
- xlii The project proponent shall fulfill in letter and spirit, all the commitments given/submitted to the SEAC office.

II OPERATION PHASE

- i An independent expert shall certify the installation of the Sewage Treatment Plant (STP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for

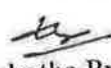
- operation. Discharge of treated sewage shall conform to the norms & standards of the Rajasthan State Pollution Control Board.
- ii Adequate measures shall be taken to prevent odor from solid waste processing and STP.
 - iii Proper system of channelizing excess storm water shall be provided.
 - iv Rain Water harvesting (RWH) for roof top run-off and surface run-off, as planned shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The Rain Water Harvesting plan shall be as per GoI manual.
 - v The proposals on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency shall be implemented.
 - vi The power factor shall be maintained near unity.
 - vii Application of solar energy shall be incorporated for 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.
 - viii 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.
 - ix Regular and periodic mock drills shall be undertaken by the fire department at least once in a year.
 - x The D. G. sets to be operated with stack height as per EP Act, 1986 along with acoustic enclosure.
 - xi Incremental pollution loads on the ambient air quality noise and water quality shall be periodically monitored after commissioning of the project and report to be submitted to RPCB.
 - xii 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.
 - xiii Any hazardous waste including biomedical waste shall be disposed of as per applicable Rules & norms with necessary approvals of the Rajasthan State Pollution Control Board.
 - xiv 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 proposed open space inside the plot shall be suitably landscaped and covered with vegetation of indigenous variety.
 - xv Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.
 - xvi The SEIAA, Rajasthan reserve the right to add new conditions, modify/ annual any condition and/or to revoke the clearance if implementation of any of the aforesaid condition/other stipulations imposed by competent authorities is not satisfactory. Six monthly compliance status report of the project along with implementation of environmental measures shall be submitted to MoEF, Regional Office, Lucknow, SEIAA, Rajasthan & RPCB, Jaipur.

GENERAL CONDITIONS

1. The environmental safeguards contained in Form I-A shall be implemented in letter and spirit.
2. Six monthly monitoring reports shall be submitted to Rajasthan and Rajasthan State Pollution Control Board.
3. 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.
4. In case of any change(s) in the scope of the project, the PP requires a fresh appraisal by SEIAA/SEAC, Rajasthan.
5. The SEIAA/SEAC, Rajasthan reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental 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.
6. 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 PP from the competent authority.

7. The PP 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 and the Rajasthan State 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.
8. These stipulations would also be enforced amongst the others 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' 06.
9. Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the proponent, if it was found that construction of the project has been started without obtaining environmental clearance.
10. Environment clearance is subject to final order of the Honb'le 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.

Yours faithfully,


(Sankatha Prasad)
Member Secretary,
SEIAA Rajasthan

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment and Forest, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
2. Addl. Chief Secretary, Environment Department, Rajasthan, Jaipur.
3. Smt. Alka Kala, Chairman, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Shri Moti Lal Daima, Member, SEIAA, Rajasthan, 48/9, Moti Path, Mansarovar, 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 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Nodal Officer (Departmental Website), Department of Environment, Government of Rajasthan, Jaipur with the request to upload the copy of this environmental clearance on the website.

M.S. SEIAA (Rajasthan)