

State Level Environment Impact Assessment Authority, Rajasthan

4, Institutional Area, Jhalana Doongri, Jaipur-302004

Phone: 0141-2705633, 2711329 Ext. 361

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat. 8(b)B1 (1505/414)/14-15 Jaipur, Dated: **11 MAR 2016**

To,

M/s Carnation Developers Pvt Ltd.

Mr. Rajat Singhal

Add- 203, Caxton House,

2E Jhandewalan Extension,

New Delhi.

Sub: EC for proposed expansion of Residential Group Housing Project "Krish City 2"
Promoted by M/s Carnation Developers Pvt Ltd. at Khasra No. 524, 530, 694/532, 534, 906/622, 542 & Khasra No. 503, 517, 519, 521, 522, 537, 538, 539, 538, 531, 533, 535, 536, 540, 541 Village- Tapukara and at Khasra No. 905/622, Village- Dhiriawas, Tehsil- Tijara, District-Alwar (Rajasthan).

This has reference to your application dated 10.08.2015 seeking environmental clearances for the 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 Appraisal Committee Rajasthan, in its meeting held on 28.12.15

Brief details of the Project:

1.	Category / Item no. (in Schedule):	Category B-1 item 8(b)																																					
2.	Location of Project	At Khasra No. 524, 530, 694/532, 534, 906/622, 542 & Khasra No. 503, 517, 519, 521, 522, 537, 538, 539, 531, 533, 535, 536, 540, 541, Village - Tapukara and at Khasra No. 905/622, Village- Dhiriyawas, Tehsil- Tijara, Distt.- Alwar, Rajasthan.																																					
3.	Project Details	<table><tr><th>S. No.</th><th>Particular</th><th>Existing*</th><th>Proposed Expansion</th><th>Total</th></tr><tr><td>1.</td><td>Net Plot Area (after land surrender)</td><td>87,807.30 Sq. m</td><td>56,953.27 Sq. m</td><td>1,44,760.57 Sq. m</td></tr><tr><td>2.</td><td>Area surrender to U.I.T. for facilities area</td><td>3,815 Sq. m</td><td>2,718.17 Sq. m</td><td>6,533.17 Sq. m</td></tr><tr><td>3.</td><td>Built up area</td><td>1,17,767.56 Sq. m</td><td>1,58,378.07 Sq. m</td><td>2,76,145.63 Sq. m</td></tr><tr><td rowspan="2">4.</td><td rowspan="2">Ground Covera-ge</td><td>Permissible 35% (30,732.55 Sq. m)</td><td>35% (19,933.65 Sq. m)</td><td>35% (50,666.20 Sq. m)</td></tr><tr><td>Utilized 22.86% (20,075.59 Sq. m)</td><td>15.53 % (8,846.86 Sq. m)</td><td>20.00 % (28,922.45 Sq. m)</td></tr><tr><td>5.</td><td>F.A.R.</td><td>Permissible 1,04,507.97</td><td>1,06,327.57</td><td>2,10,835.54</td></tr></table>					S. No.	Particular	Existing*	Proposed Expansion	Total	1.	Net Plot Area (after land surrender)	87,807.30 Sq. m	56,953.27 Sq. m	1,44,760.57 Sq. m	2.	Area surrender to U.I.T. for facilities area	3,815 Sq. m	2,718.17 Sq. m	6,533.17 Sq. m	3.	Built up area	1,17,767.56 Sq. m	1,58,378.07 Sq. m	2,76,145.63 Sq. m	4.	Ground Covera-ge	Permissible 35% (30,732.55 Sq. m)	35% (19,933.65 Sq. m)	35% (50,666.20 Sq. m)	Utilized 22.86% (20,075.59 Sq. m)	15.53 % (8,846.86 Sq. m)	20.00 % (28,922.45 Sq. m)	5.	F.A.R.	Permissible 1,04,507.97	1,06,327.57	2,10,835.54
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		Utilized		97,035.25 Sq. m	1,05,039.58 Sq. m	2,02,074.83 Sq. m																																																								
	6.	Achieved Height		46.85 m	48.70 m	48.70 m (up to over head water tank)																																																								
	7.	Green Area Achieved		9,516.05 Sq. m	10,053.81 Sq. m	13.52 % (19,569.86 Sq. m)																																																								
	8.	No. of Flats		1610 Flats (1 BHK- 300, 2 BHK- 1010, 3 BHK- 300)	2614 Flats (1 BHK- 924, 2 BHK- 1274, EWS-416), 40 Offices & 40 Shops	4224 Flats (1 BHK- 1224, 2BHK- 2284, 3 BHK- 300, EWS-416) 40 Offices & 40 Shops																																																								
		*Actual construction under taken is less than as was permitted in EC.																																																												
4.	Parking	Required Parking = 3541 E.C.U Parking Provided: =3763 E.C.U																																																												
5.	Project Cost:	Rs. 29.38 Crores																																																												
6.	Water Requirement per day & Source	After proposed expansion Total Water Demand of the Project will be – 2095.00 KLD (Fresh Water- 1407.65 KLD; Recycled Water- 687.35 KLD) Source of fresh water will be Bore well.																																																												
7.	Fuel & Energy:-	Energy: Power Demand of the project will be 4488.80 KW. The power will be received from JVVNL at 33 KV supply voltage. Fuel: HSD,																																																												
8.	Environment Management Plan with budgetary provision.	<table><tr><th>S. No.</th><th>Description</th><th>Capital Cost (Rs. in lacs)</th><th>Recurring Cost/Year (Rs. in lacs)</th></tr><tr><td>1</td><td>STP</td><td>150</td><td>15</td></tr><tr><td>2</td><td>Landscaping</td><td>6</td><td>1.5</td></tr><tr><td>3</td><td>Ground Water Recharge Structure</td><td>10</td><td>1</td></tr><tr><td>4</td><td>Acoustic Enclosure</td><td>5</td><td>-</td></tr><tr><td>5</td><td>Dual Plumbing System</td><td>40</td><td>-</td></tr><tr><td>6</td><td>Solar Energy Utilization Application</td><td>30</td><td>3</td></tr><tr><td>7</td><td>Energy Efficient Lighting</td><td>10</td><td>2</td></tr><tr><td>8</td><td>Solid Waste Management</td><td>4</td><td>1.3</td></tr><tr><td>9</td><td>Efficient Fixtures</td><td>15</td><td>-</td></tr><tr><td>10</td><td>Monitoring of Air, Water, Noise & Soil</td><td>-</td><td>2.2</td></tr><tr><td>11</td><td>Insulation of walls & roof</td><td>30</td><td>-</td></tr><tr><td>12</td><td>Two truck mounted tankers</td><td>30</td><td>5</td></tr><tr><td colspan="2">Total</td><td>Rs. 330 Lacs</td><td>Rs.31.00Lacs</td></tr></table>					S. No.	Description	Capital Cost (Rs. in lacs)	Recurring Cost/Year (Rs. in lacs)	1	STP	150	15	2	Landscaping	6	1.5	3	Ground Water Recharge Structure	10	1	4	Acoustic Enclosure	5	-	5	Dual Plumbing System	40	-	6	Solar Energy Utilization Application	30	3	7	Energy Efficient Lighting	10	2	8	Solid Waste Management	4	1.3	9	Efficient Fixtures	15	-	10	Monitoring of Air, Water, Noise & Soil	-	2.2	11	Insulation of walls & roof	30	-	12	Two truck mounted tankers	30	5	Total		Rs. 330 Lacs	Rs.31.00Lacs
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10.	STP	STP of capacity – 1000 KLD Technology - FAB																																																
11.	Green Belt/ Plantation area and % of total area in sq. mts.	Total Achieved Green Area – 13.52 % (19569.86 Sq. m) 1450 Large trees have been proposed for plantation.																																																
12.	Budgetary Breakup for Labour	<table border="1"> <thead> <tr> <th colspan="3">Fixed explicit Investment</th></tr> <tr> <th>S. No.</th><th>Activity</th><th>Fixed Capital (in Rs.)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Temporary Houses to workers – 63Nos.@ Rs. 25,000</td><td>Rs. 15,575,000</td></tr> <tr> <td>2.</td><td>Common Toilet- 13 Nos. @ 10,000</td><td>Rs. 1,30,000</td></tr> <tr> <td>3.</td><td>Bathing Area- 13 Nos. @ 10,000</td><td>Rs. 1,30,000</td></tr> <tr> <td>4.</td><td>Stoves to each family- 63 Nos. @ Rs. 2000</td><td>Rs. 126,000</td></tr> <tr> <td>5.</td><td>Two medical rooms will be provided for regular health checkups and medical aid for which one doctor and compounder will be hired.</td><td>Rs. 50,000</td></tr> <tr> <td>6.</td><td>RO Plant (50 lpm) – 3 Nos.</td><td>Rs. 1,50,000</td></tr> <tr> <td colspan="2">Total</td><td>Rs. 15,751,000/-</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Running Expenses per year</th></tr> <tr> <th>S. No.</th><th>Activity</th><th>Running Capital (in Rs.)</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Kerosene Oil to workers family (63) - @ Rs. 1400/family/month</td><td>Rs. 88,200</td></tr> <tr> <td>2.</td><td>Medical Facility (1 Doctor + 1 Compounder) on visit basis</td><td>Rs. 38,000</td></tr> <tr> <td>3.</td><td>Electricity and general expenses</td><td>Rs. 6,300</td></tr> <tr> <td>4.</td><td>Proponent will encourage labour to send their children to nearby school for which financial support will be made.</td><td>Rs. 37,000</td></tr> <tr> <td colspan="2">Total</td><td>Rs. 169,500/-</td></tr> </tbody> </table>	Fixed explicit Investment			S. No.	Activity	Fixed Capital (in Rs.)	1.	Temporary Houses to workers – 63Nos.@ Rs. 25,000	Rs. 15,575,000	2.	Common Toilet- 13 Nos. @ 10,000	Rs. 1,30,000	3.	Bathing Area- 13 Nos. @ 10,000	Rs. 1,30,000	4.	Stoves to each family- 63 Nos. @ Rs. 2000	Rs. 126,000	5.	Two medical rooms will be provided for regular health checkups and medical aid for which one doctor and compounder will be hired.	Rs. 50,000	6.	RO Plant (50 lpm) – 3 Nos.	Rs. 1,50,000	Total		Rs. 15,751,000/-	Running Expenses per year			S. No.	Activity	Running Capital (in Rs.)	1.	Kerosene Oil to workers family (63) - @ Rs. 1400/family/month	Rs. 88,200	2.	Medical Facility (1 Doctor + 1 Compounder) on visit basis	Rs. 38,000	3.	Electricity and general expenses	Rs. 6,300	4.	Proponent will encourage labour to send their children to nearby school for which financial support will be made.	Rs. 37,000	Total		Rs. 169,500/-
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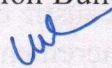
3. The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations 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

1. Consent to Establish" shall be obtained from RPCB before start of any construction work related to proposed project at the site.
2. The PP shall obtain a "No objection certificate for height clearance for the envisaged level from the Airports Authority of India.
3. No Mobile tower shall be installed.

4. As envisaged, the P.P. shall invest at least an amount of **Rs. 330 Lacs** as capital cost and **Rs. 31 Lacs** as annual recurring cost (before the project is put into use) for implementing various environmental protection measures.
5. An amount of Rs. INR 30.00 Lacs spent over 3 years as Rs. 15.00 Lacs for 1st year, Rs. 10 lacs for 2nd year and Rs. 05 lacs for 3rd year should be spent 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. The Detailed action plan of CSR activities shall be submitted by the PP to RSPCB at the time of applying for "Consent to Establish".
6. Green belt/Landscaping should be developed in 13.52 % (19569.86 Sq. m) as proposed.
7. 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.
8. 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.
9. 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.
10. The PP shall full fill the requirements of energy regulatory commission.
11. All energy saving measures proposed by the PP should be implemented before the project is put into use.
12. A preventive action plan (as part of conceptual plan) for earthquake resistance buildings as per NBC code specifically for zone 3,4, 5 should submitted along with the form 1 , form 1A and conceptual plan to RSPCB at the time of applying for CTE.
13. Road width and bend should be adequate for easy movement of fire fighting vehicles.
14. 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. 15,751,000/-** as fixed capital and **Rs. 169,500/-** as running expense per year 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/LPG 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.
15. The drains should be of adequate capacity and be lined till the final disposal points.
16. 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 through an STP of capacity 1000 KLD based on 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.
17. 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.
18. All the laborers engaged for construction shall be screened for health and adequately treated before engaging them to work at the site.

19. All the topsoil excavated during the construction shall be stored for use in horticulture/landscape development within the project site.
 20. 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.
 21. 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.
 22. 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.
 23. 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.
 24. 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.
 25. 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.
 26. 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.
 27. Ready mixed concrete shall be used in building construction.
 28. NOC shall be obtained from National State Disaster Management Authority, wherever applicable.
 29. 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.
 30. Guidelines issued by concerned Ministry for water scarce areas may be followed.
 31. 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.
 32. Total domestic water requirement shall not exceed **2095.00 KLD**, 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.
 33. 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.
 34. 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.
 35. Adequate measures shall be taken to reduce air and noise pollution during construction as per CPCB norms.
 36. 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.
 37. 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.
 38. Roofing should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
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39. 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.
40. Provision of solar water heating /chilling/street lighting etc shall be explored and implemented.
41. 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.
42. A First Aid Room should be provided at the project site, both, during construction and operation phase of the project.
43. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary authorization of the RPCB.
44. The approval of the competent authority shall be obtained for structural safety of the building due to earthquake, adequacy of firefighting equipment, etc. as per National Building Code 2005 including protection measures from lightening etc.
45. 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.
46. 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.
47. The project proponent shall fulfill in letter and spirit, all the commitments given/submitted to the SEAC office.

II OPERATION PHASE

1. 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.
2. Adequate measures shall be taken to prevent odor from solid waste processing and STP.
3. Proper system of channelizing excess storm water shall be provided.
4. 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.
5. The proposals on the energy conservation measures confirming to energy conservation norms finalized by Bureau of Energy Efficiency shall be implemented.
6. The power factor shall be maintained near unity.
7. 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.
8. 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.
9. Regular and periodic mock drills shall be undertaken by the fire department at least once in a year.
10. The D. G. sets to be operated with stack height as per EP Act, 1986 along with aacoustic elclosure.
11. 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.

12. 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.
13. 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.
14. 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.
15. Trees and shrubs of local species shall be planted to allow habitat for birds with appropriate distance from the boundary.
16. 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.

B GENERAL CONDITIONS

1. The environmental safeguards contained in Form 1-A shall be implemented in letter and spirit.
2. Six monthly monitoring reports shall be submitted to SEIAA, 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 is found that construction of the project had been started without obtaining environmental clearance.


(Rajesh Kumar Grover)
Member Secretary,
SEIAA Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project/Cat. **8(a)B2 (1505/414)**/14-15

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. Alka Kala, Chairperson, SEIAA, Rajasthan, 69-A, Bajaj Nagar Enclave, Jaipur
4. Sh. Sankatha Prasad, (IFS Retd.), 250, Gomes Defence 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 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, MoEF, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi-110003.
9. Programmer, 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)



Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongari, Jaipur-302
Phone: 0141-5159600, 5159695 Fax: 0141-5159697



Registered

File No : F(MUID)/Alwar(Tijara)/1655(1)/2016-2017/4454-4456

Order No : 2016-2017/MUID/4081

Dispatch Date: 06/07/2016

Unit Id : 79582

M/s carnation developer pvt ltd.

M/S carnation developer pvt ltd.203, CAXTON
HOUSE,2E JHANDEWALAN EXTENSION, NEW DELHI,
NEWDELHI

Sub: **Consent to Establish** under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(4) of Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your application(s) for Consent to Establish dated 05/04/2016 and subsequent correspondence.

Sir,

Consent to Establish under the provisions of section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, (hereinafter to be referred as the Air Act) as amended to date and rules & the orders issued thereunder, is hereby granted for your **GROUP HOUSING PROJECT KRISH CITY 2** plant situated / proposed at **KhNo 5 2 4 , 5 3 0 , 6 9 4 / 5 3 2 , 5 3 4 , 9 0 6 / 6 2 2 , 5 4 2 K h N o 503,517,519,521,522,537,538,539,531,533,535,536,540,541, Village- Tapukara at Kh No 905/622, Village- Dhiriya TEHSIL-TIJARA,DIS-ALWAR RAJ Tapukara And Dhiriya Tehsil:Tijara District:Alwar**, Rajasthan under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from **04/05/2016** to **30/04/2019** or **date of Commencement of production / commissioning of the project or activities whichever is earlier**.
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below.

Particular	Type	Quantity / Capacity
BUILT UP AREA	Activity	276145 SQ. METER
NET PLOT AREA	Activity	144760 SQ. METER

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel the project proponent is required to obtain fresh consent to establish.

[Signature]
6/7/16



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- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the **Water Act and Air Act** shall be obtained. This consent to establish shall not be treated as consent to operate.
- 5 That the quantity of effluent generation and disposal along with mode of disposal for the treated effluent shall be as under:

Type of effluent	Max. effluent generation (KLD)	Quantity of effluent to be recycled (KLD)	Quantity of treated effluent to be disposed (KLD) and mode of disposal
Domestic Sewage	1590.550	687.300	903.150 On Land for Plantation/Horticulture /Evaporation Loss/ Sludge etc.

- 6 That the sources of air emissions along with pollution control measures and the emission standards for the prescribed parameters shall be as under:

[Handwritten signature]
6/7/16



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Sources of Air Emmissions	Pollution Control Measures	Prescribed	
		Parameter	Standard
D.G. Set(1010KVA)	ACOUSTIC ENCLOSURE , WITH ADEQUATE STACK HEIGHT	NOx (as NO2) (at 15% O2) day basis in ppmv NMHC (as C) (at 15% O2) PM (at 15% O2) CO (at 15% O2)	710 mg/Nm3 100 mg/Nm3 75 mg/Nm3 150 mg/Nm3
D.G. Set(250KVA)	ACOUSTIC ENCLOSURE , WITH ADEQUATE STACK HEIGHT	--	--
D.G. Set(330KVA)	ACOUSTIC ENCLOSURE , WITH ADEQUATE STACK HEIGHT	--	--
D.G. Set(810KVA)	ACOUSTIC ENCLOSURE , WITH ADEQUATE STACK HEIGHT	--	--

- 7 That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed by the Board as notified under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under.

[Handwritten Signature]
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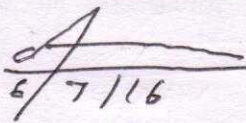
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Parameters	Standards
Total Suspended Solids	Not to exceed 100 mg/l
pH Value	Between 5.5 to 9.0
Oil and Grease	Not to exceed 10 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 30 mg/l
Chemical Oxygen Demand	Not to exceed 250 mg/l

- 8 That the unit shall obtain all necessary permission from concerning department, & district administration, Alwar related to construction Establishment of the Krish City -2 Residential Group Housing Project at Kh.No. 524, 530, 694/532, 534, 906/622, 542 & earlier Kh.No. 503, 517, 519, 521, 522, 537, 538, 539, 531, 533, 535, 536, 540, 541, Village- Tapukara & at Kh. No. 905/622, Village- Dhiriawas TEHSIL-TIJARA, DIS-ALWAR RAJ Tapukara And Dhiriaw Tehsil: Tijara District: Alwar.
- 9 That the project proponent shall comply with all the conditions of Environmental Clearance imposed by SEIAA, Jaipur vide letter no. F1(4)/ SEIAA/SEAC - Raj/Sectt/Project /Cat. 8(a) B1 (1505/414)/ 14-15 Jaipur, dated 11/03/2016.
- 10 That the unit shall not abstraction of ground water without prior NOC from CGWA.
- 11 That the unit shall be granted Consent to Operate only when submit NOC for abstraction of ground water from CGWA for project before commissioning of the project.
- 12 That the unit shall install and commission the proposed STP of 2x 1000 KLD to treat the waste water (1590.5 KLD) generated from all the utilities before commissioning of the project.
- 13 That the total water consumption for the project shall not exceed - 2095 KLD (fresh - 1408 KLD + recycled - 687 KLD) without prior permission of the Board and CGWA or permission from PHED.
- 14 That the water flow meters shall be provided at all suitable points to measure quantity of daily water consumption, waste water generation, waste water treated and treated waste water recycled and utilized for plantation/gardening purposes. Daily record of the same shall be maintained and to be submitted to the Board.
- 15 That the unit shall dispose the sludge of STP in scientific manner.


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- 16 That the industry shall comply with the standards as prescribed vide MOEF notification no. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality.
- 17 That the unit shall ensure compliance of ambient air quality standard in respect of noise as prescribed under Environment (Protection) Act & Rules made therein
- 18 That this consent to establish is being issued for proposed Krish City -2 Residential Group Housing Project with Built-up area - 2,76,145.63 Sq. Meters and Net Plot Area - 1,44,760.57 Sq. Meters only. For any change in capacity of the services & area, the unit has to seek fresh consent to establish
- 19 That the entire treated sewage shall be utilized within premises for flushing, horticulture/plantation etc and zero discharge status shall be maintained outside the premises.
- 20 That the unit shall ensure proper recycling and reuse of domestic waste water after adequate treatment.
- 21 That if the project cost exceeds Rs. 29.38 Crores, the unit shall take/obtain modification in consent to establish after paying fee as applicable
- 22 That the unit shall maintain adequate height of stack along with acoustic enclosures on Four D.G.Set of 1x 810 KVA, 1x 250 KVA, 1x 1010 KVA (30 meter minimum) and 1x 330 KVA. Further unit shall not allow to install any other air pollution source i.e. Boiler/Hot Water generator etc without prior consent to establish from the Board under the Air Act 1981.
- 23 That the industry shall install and maintain adequate infrastructure facilities for stack monitoring to know the concentration of pollutant emitted in the atmosphere with One D.G. Set 1 x 1010 KVA (30 meter minimum).
- 24 That the unit shall not allow making any obstacles to any natural water flow i.e. natural nallah/stream carrying rain water to any water body.
- 25 That the unit shall install adequately designed rain water harvesting structure for prevention and recharge of ground water in and around the area.
- 26 That the solid waste generated should be properly collected & segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.
- 27 That energy conservation measures like installation of CFLs/FLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning.
- 28 That used CFLs/FLs should be properly collected and disposed off/sent for re-cycling as per the prevailing rules/guidelines issued by the regulatory authority. Use of solar panels also may be done to the extent possible.
- 29 That adequate measures should be taken to prevent odour problem from solid waste processing plant and also from STP

[Handwritten Signature]
6/7/16



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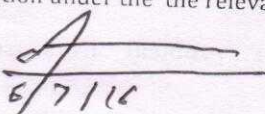
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- 30 The project proponent shall obtain consent to operate before commissioning of the project or handed over to the occupiers.
- 31 In case project proponent handing over the project to any other registered society for further operation and maintenance, then project proponent shall submit transfer deed to State Board and also fix the responsibility of the society for compliances of the environmental laws including obtaining subsequently Consent to Operate under Water Act-1974 and Air Act-1981. Till the time transfer deed is submitted and accepted by the State Board, the project proponent/ promoter will be responsible for compliances of environmental laws.
- 32 That this consent to establish shall be subject to compliance of any direction or order passed by Court of Law in the matter.
- 33 That the unit shall provide and maintain the Oil & Grease trap in good condition, so that oil & grease coming with waste water from kitchen/laundry will retained in the trap.
- 34 That, notwithstanding anything provided hereinabove, the State Board shall have power and reserves its right, as contained under section 27(2) of the Water Act and under section 21(6) of the Air Act to review anyone or all the conditions imposed here in above and to make such variation as it deemed fit for the purpose of compliance of the Water Act and Air Act.
- 35 That the grant of this **Consent to Establish** 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.
- 36 That the grant of this **Consent to Establish** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Establish** shall also be subject, beside the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act and Air Act** and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Establish** and project proponent / occupier shall be liable for legal action under the the relevant provisions of the said Act(s).


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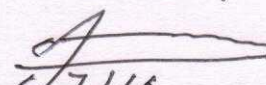
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This bears the approval of the competent authority.

Yours Sincerely


6/7/16
Group Incharge[MUID]

Copy To:-

- 1 Regional Officer, Regional Office, Rajasthan State Pollution Control Board, Bhiwadi requested to verify the compliance of CTE conditions and forward the detailed inspection report for further necessary action within 06 months.
- 2 Master File.

Group Incharge[MUID]

