

**COMPLIANCE REPORT
OF PROJECT
UP TO DECEMBER 2017
“ROYAL RESIDENCY”
DEVELOPED BY
OMAXE LTD.**

AT

**VILLAGE DAD & THAKERWAL
LUDHIANA**

TABLE OF CONTENT

S.NO.	PARAMETER	PAGE NUMBER
1	<i>PROJECT DETAILS</i>	1
2	<i>STATUS OF THE PROJECT:</i>	1
3	<i>EMP EXPENDITURE</i>	1
4	<i>SPECIFIC CONDITIONS: (CONSTRUCTION PHASE)</i>	2
5	<i>Condition -1 "Consent for Establish" should be obtained from Punjab Pollution Control Board under Air and Water Act and a copy should be submitted to the Ministry before the start of any construction work at the site.</i>	2
6	<i>Condition -2 All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.</i>	2
7	<i>Condition -3 A first Aid Room will be provided in the project both during construction and operation of the project.</i>	2
8	<i>Condition -4 Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.</i>	2
9	<i>Condition -5 Provision should be made for the supply of fuel (kerosene or cooking gas), utensils such as pressure cookers etc. to the labourers during construction phase</i>	2
10	<i>Condition -6 All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site.</i>	2
11	<i>Condition -7 For disinfection of wastewater, use ultra violet radiation, not the Chlorination</i>	2
12	<i>Condition -8 All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.</i>	3
13	<i>Condition -9 Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people and only in approved sites with the approval of competent authority.</i>	3
14	<i>Condition -10 Soil and Ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.</i>	3

15	Condition -11 <i>Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material shall be secured so that they should not leach into the ground water.</i>	3
16	Condition -12 <i>The diesel for generator sets to be used during construction phase should be low sulphur diesel type and canopy/exhaust should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.</i>	3
17	Condition -13 <i>Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non peak hours</i>	4
18	Condition -14 <i>Ambient noise levels should conform to prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase</i>	4
19	Condition -15 <i>Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 Km of Thermal Power Station).</i>	4
20	Condition -16 <i>Ready mixed concrete must be used in building construction</i>	4
21	Condition -17 <i>Storm water control and its reuse as per CGWB and BIS standards for various applications.</i>	4
22	Condition -18 <i>Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.</i>	4
23	Condition -19 <i>Permission to draw ground water shall be obtained from the Competent Authority prior to construction / operation of the project.</i>	5
24	Condition -20 <i>Separation of grey & black water should be done by the use of dual plumbing line for separation of grey & black water.</i>	5
25	Condition -21 <i>Treatment of 100% grey water by decentralized treatment should be done.</i>	5
26	Condition -22 <i>Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.</i>	5

27	Condition -23 <i>Use of glass may be reduced adequately to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.</i>	5
28	Condition -24 <i>Roof should meet prescribed requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.</i>	5
29	Condition -25 <i>Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.</i>	5
30	Condition -26 <i>Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.</i>	6
31	Condition -27 <i>The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening.</i>	6
32	Condition -28 <i>Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form to temporary structure to be removed after the completion of the project.</i>	6
33	PART A- II (OPERATIONAL PHASE)	7
34	Condition -1 <i>The installation of sewage treatment plant (STP) certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Discharge of treated sewage shall confirm to the norms & standards of the PPCB , Patiala, Punjab.</i>	7
35	Condition -2 <i>Car washing in the complex/ multiplex should not be allowed</i>	7
36	Condition -3 <i>Adequate and appropriate pollution control measures should be provided to control fugitive emissions to be emitted from the shopping and multiplex.</i>	7
37	Condition -4 <i>Adequate drinking water facility based on Reverse Osmosis treatment technology be provided.</i>	7

38	Condition -5 <i>Rainwater harvesting for roof run-off and surface run-off as plan submitted should be implemented. Before recharging the surface run-off, pretreatment must be done to remove suspended matter, oil and grease.</i>	7
39	Condition -6 <i>The solid waste generated should be properly collected and segregated before disposal to the City Municipal Facility. The in-vessel bio-compost technique should be used for composting the organic waste.</i>	7
40	Condition -7 <i>Any Hazardous waste including Biomedical waste should be disposed of as per applicable Rules and norms with necessary approvals of the Punjab Pollution Control Board.</i>	7
41	Condition -8 <i>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 spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.</i>	7
42	Condition -9 <i>Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project</i>	8
43	Condition -10 <i>Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.</i>	8
44	Condition -11 <i>Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.</i>	8
45	Condition -12 <i>A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the Ministry of Environment & Forests in three months time.</i>	8

DETAILS OF THE PROJECT

Land area	229530 Sqm
Built up area	329164 Sqm

STATUS OF THE PROJECT:

The project is partially completed.
Out of 2043 flats 1600 flats has been completed.

The breakup of Environment Management Plans expenditure are given below

EMP EXPENDITURE FOR ROYAL RESIDENCY, PAKHOWAL ROAD, LUDHIANA

S.No	Description	Planned (Rs in Lacs)	Actual Expenses (Rs in Lacs)
1	Medical Cum First Aid	5.0	4.25
2	Toilets for sanitation system	20.0	15.90
3	Wind breaking curtains	12.0	10.15
4	Sprinklers for suppression of dust	6.0	5.55
5	Sewage Treatment Plant	240.0	190.00
6	Solid Waste segregation & disposal	50.0	34.00
7	Green Belt including grass coverage	200.0	195.00
8	RWH	50.0	47.20

Compliance Report of the Environmental Clearance (Construction Phase)

S. No. (i)	Compliance Required "Consent for Establish" should be Obtained from Punjab Pollution Control Board under Air and Water Act and a copy should be submitted to the Ministry before the start of any construction work at the site.	As per the Notification by Central Pollution Control Board vide Notification No.B-29012/ESS/CPA/2016-17/2570 dtd. 2 nd February, 2017 Consent to Establish is not required where the project have already taken the Environment Clearance. Copy enclosed. We obtained Consent to Operate which is valid up to 31.03.2019.
(ii)	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	Sanitary and hygienic measures as required are in place and are being maintained as per the prevailing standards.
(iii)	A first Aid Room will be provided in the project both during construction and operation of the project.	First Aid Room is under operation ever since the construction has started and shall continue during the operational phase also.
(iv)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate water supply and sanitary facilities is being provided for construction workers at site.
(v)	Provision should be made for the supply of fuel (kerosene or cooking gas), utensils such as pressure cookers etc. to the labourers during construction phase	Kerosene is being supplied by the contractor.
(vi)	All the labourers to be engaged for construction should be screened for health and adequately treated before engaging them to work at the site.	Screening is being done on regular basis.

(vii)	For disinfection of wastewater, use ultra violet radiation, not the Chlorination	Complied
(viii)	All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.	The top soil has been used in the green area development.
(ix)	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people and only in approved sites with the approval of competent authority.	During excavation of the basement every necessary precaution was taken for disposal of muck. All the approvals from the competent authority have been taken before the excavation.
(x)	Soil and Ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Analysis reports from approved lab are attached. These tests were done on 13 th June, 2017 and intimation of the same was given to SEIAA for conducting the same at site. Due to the global economic recession the progress of work is slow, the further tests shall be conducted during May 2018 and reports shall be enclosed with June 2018 report under intimation to SEIAA.
(xi)	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material shall be secured so that they should not leach into the ground water.	Will be followed.

(xii)	The diesel for generator sets to be used during construction phase should be low sulphur diesel type and canopy/exhaust should conform to the provisions of Environment (Protection) Act, 1986 prescribed for air and noise emission standards.	All the EPA norms are being followed. Using LSD and DG sets are equipped with acoustic chambers.
(xiii)	Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours	Only the Vehicles with PUC are being allowed in the complex.
(xiv)	Ambient noise levels should conform to Prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase	Analysis reports from approved lab are attached, which indicate that there is no incremental pollution load on ambient air and noise due to our project. These tests were conducted on 13/6/2017 and intimation of the same was given to SEIAA for conducting the same at site. Due to the global economic recession the progress of work is slow, the further tests shall be conducted during May 2018 and reports shall be enclosed with June 2018 report under intimation to SEIAA.
(xv)	Fly ash should be used as construction material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project is within 100 Km of Thermal Power Station).	We are using RMC in which 10% of fly ash is being mixed. We are using pavers and tiles made of fly ash material.

(xvi)	Ready mixed concrete must be used in building construction	We are using RMC only
(xvii)	Storm water control and its reuse as per CGWB and BIS standards for various applications.	Will be followed
(xviii)	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices referred.	Ready mix concrete has been used for construction to reduce the water consumption and the curing agents are added to the concrete and cement mortar to reduce the water required for curing apart from this best construction practice is being followed to reduce water consumption during construction
(xix)	Permission to draw ground water shall be obtained from the Competent Authority prior to construction / operation of the project.	Complied. The permission has been obtained from CGWA.
(xxi)	Separation of grey & black water should be done by the use of dual plumbing line for separation of grey & black water.	Provided, Dual plumbing has been provided.
(xxii)	Treatment of 100% grey water by decentralized treatment should be done.	STP will be provided in phases.
(xxii)	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Provided aerators in the taps.
(xxiii)	Use of glass may be reduced adequately to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	This is a housing project so the usage of glass is very less.

(xxiv)	Roof should meet prescribed requirement as per Energy Conservation Building Code by using Appropriate thermal insulation material to fulfill requirement.	Thermal insulation material is being used as per ECBC.
(xxv)	Adequate measures to reduce air and noise pollution during construction keeping in mind CPCB norms on noise limits.	Green area development has been provided and DG sets with acoustic chamber has been provided for reducing noise and air pollution.
(xxvi)	Opaque wall should meet prescribed requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air- conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	We are following ECBC norms.
(xxvii)	The approval of competent authority shall be obtained for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightning.	All the norms of the NBC will be followed and we will take all the permissions from the competent authorities as and when required like for structural safety of the buildings due to earthquakes, adequacy of fire fighting equipments etc. However the provisional permissions have already been taken.
(xxviii)	Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, crèche etc. The housing may be in the form to temporary structure to be removed after the completion of the project.	250 Hutments are provided at site and all the facilities have been provided as per the requirement like toilets, , Safe drinking water, medical health care, crèche.

S.No.	Compliance Required	Action Taken.
	PART –A (ii)	
1	Operational Phase The installation of sewage treatment plant (STP) certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Discharge of treated sewage shall confirm to the norms & standards of the PPCB , Patiala, Punjab.	STP has been provided
2	Car washing in the complex/ multiplex should not be allowed	N/A
3	Adequate and appropriate pollution control measures should be provided to control fugitive emissions to be emitted from the shopping and multiplex.	N/A
4	Adequate drinking water facility based on Reverse Osmosis treatment technology be provided.	The ground water is potable and the RO system is not required.
5	Rainwater harvesting for roof run-off and surface run-off as plan submitted should be implemented. Before recharging the surface run-off, pretreatment must be done to remove suspended matter, oil and grease.	Rain water harvesting is provided with pre treatment facility.
6	The solid waste generated should be properly collected and segregated before disposal to the City Municipal Facility. The in-vessel bio-compost technique should be used for composting the organic waste.	MSW is collected and segregated at source and it is further disposed as per norms.
7	Any Hazardous waste including Biomedical waste should be disposed of as per applicable Rules and norms with necessary approvals of the Punjab Pollution Control Board.	HW is stored and there is no biomedical waste generated from the complex

8	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 spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.	Provided as per the norms
9	Incremental pollution loads on the ambient air quality, noise and water quality should be Periodically monitored after commissioning of the project	As per the reports there is no incremental load due to our project copies of the analysis reports are attached
10	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating.	Will be provided as per norms.
11	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	There is no congestion near the entry and exit. Parking is fully internalized and no public space is being utilized.
12	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about machinery of air conditioning, lifts, lighting, building materials, R & U Factors etc. and submitted to the Ministry of Environment & Forests in three months time.	N/A. We have provided Sensor based lifts, CFL has Been provided in the common areas.

GENERAL CONDITIONS: PART-B

1	Six monthly monitoring reports should be submitted to the Ministry and it's Regional Office, Chandigarh.	Submitting to MoEF and it will be followed.
2	Officials from the Regional Office of Ministry of Environment & Forests, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents submitted to MOEF should be forwarded to the CCF Regional Office of Ministry of Environment & Forests, Chandigarh .	Agreed.
3	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Applied with SEIAA, Punjab for revision and revised Environment Clearance received.
4	The Ministry 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 Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Agreed
5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild life	Permissions have already been sent to the MoEF.

	(Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	
6	A copy of this clearance letter shall be sent by project proponent to concerned Panchayat, Zila Parishad / Municipal Coperation , Urban local body and the local NGO, if any , from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Agreed.
7	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Punjab Pollution Control Board and may also be seen on the website of Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within seven days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office, Ministry of Environment & Forests, Chandigarh.	Complied and the copy of the same has been submitted with MoEF Regional Office.
8	These stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention &Control of Pollution) Act, 1981, Environmental (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006	Agreed
9	Under the provision of Environment	Agreed.

	(Protection)Act,1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	
10	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by e-mails) to the respective Regional office of MOEF, the respective office CPCB and the SPCB.	Submitting the same with MoEF and will be followed.
11	Environmental 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 2004 as may be applicable to this project.	Agreed.
12	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Act, 1997.	Agreed.