

DLF Homes Panchkula Pvt. Ltd.

SCO - 190,191,192, Sector- 8-C,
Chandigarh - 160009
Phone - 0172-4607750, 4920000
Website: www.dlf.in
CIN No.U45400HR2007PTC038443



Date: 21.11.2018

To

The Joint Director,
Ministry of Environment, Forest & Climate Change,
Regional Office (North),
Government of India
Bay No. 24-25, Sector-31A
Chandigarh.

Subject: Submission of Six Monthly Compliance Report for period ending 30.09.2018 for the project namely "DLF Garden City" located at Bhagwanpur, Pinjore, Distt-Panchkula, Haryana.

Sir,

We are hereby submitting six monthly report for period ending 30.09.2018 in the form of Data Sheet along with compliance of the stipulated environmental conditions. All relevant details/ documents are attached as annexure for your kind consideration.

The test reports on Ambient Air, Water, Soil and Noise levels are also submitted. The soft copy of complete report in CD is also enclosed along.

Thanking you.

Sincerely,

For, M/s. DLF Homes Panchkula Pvt. Ltd.

(Authorized Signatory)

Name- Manpreet Singh
Contact No- 9988001070
Designation- Sr. Manager
Email- wski-manpreet@dlf.in

- CC to: 1) **Member Secretary**, SEIAA Haryana, Bay No.- 55-58, Paryatan Bhawan, 1st Floor, Sector-2, Panchkula, Haryana-134109.
- 2) **The Chairman**, HSPCB, C-11, Sector-6, Panchkula, Haryana-134109.

2018

SIX MONTHLY COMPLIANCE REPORT

(Period ending 30.09.2018)

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For

**DLF GARDEN CITY
VILLAGE ISLAM NAGAR, KALKA PINJORE
URBAN COMPLEX, SECTOR-3,
PANCHKULA, HAARYANA.**

Project By:

M/s. DLF Homes Panchkula Pvt. Ltd.

SCO No. 190-192, Sector-8C, Chandigarh.

Prepared by:

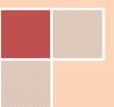


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**Ministry of Environment, Forest & Climate Change
Northern Regional Office,
Chandigarh-160030**

DATA SHEET

1.	Project Type	Integrated Township Construction Project
2.	Name of the Project	DLF Garden City Village Islam Nagar, Kalka Pinjore Urban Complex, Sector-3, Panchkula. Project by: M/s. DLF Homes Panchkula Pvt. Ltd.
3.	Clearance letter (s)/O.M No. & dates	Revision and Expansion of Environment Clearance has been granted vide letter no. SEIAA/HR/2015/109 dated 05.02.2015. Copy of same is attached as Annexure 1 .
4.	Location	
	a) District (s)	Panchkula
	b) State (s)	Haryana
	c) Latitudes/ Longitudes	30 ⁰ 45'08.66"N & 76 ⁰ 54'52.58"E
5.	Address for correspondence	M/s. DLF Homes Panchkula Pvt. Ltd. SCO No. 190-192, Sector-8C, Chandigarh.
6.	Salient features	
	a) of the project	As per the Environment Clearance, the project involves the Revision and Expansion of the project. After expansion and revision, the total plot area will be 209.603 acres and the total built up area will be 10,67,141.15 sq.m.
	b) of the environmental management plans	Water Requirement: After Revision and Expansion of the project, the total water requirement will be 4,376 KLD. The fresh water requirement will be 2,917 KLD. Wastewater Generation: The total wastewater generation from the project will be 2,642 KLD which will be treated in a STP of 3,670 KLD capacity to be installed within project premises. Miscellaneous: The total quantity of solid waste generation will be 22,410.85 kg/day, which will be segregated into organic and inorganic waste. The power requirement will be 35,500 KVA.
7.	Break-up of the project area	

	a) Submergence area: Forest and Non-forest	Not applicable			
	b) Others	Not applicable			
8.	Break-up of project affected population with enumeration of those losing houses/ dwelling units only, agricultural land only both dwelling units & agricultural land and landless labourers/ artisans.	Not applicable			
	a) SC/ST/Adivasis	Not applicable			
	b) Others <i>(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. If a survey has been carried out give details and year of survey).</i>	Not applicable			
9.	Financial details:				
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Estimated Project Cost is Rs. 594 Crores.			
	b) Allocations made for environmental management plans with item wise and year wise break up.	S. No.	Environment Management Plan	Capital Investment	Recurring Expenditure
		1.	Dust Management during construction phase as sprinkling of water	-	Rs. 5,000 per month
		2.	Provision of DG sets with acoustic enclosures	Rs. 30.8 Lacs	Rs. 50,000 per month
		3.	Provision of safe water supply to labours	-	Rs. 15,000 per month
		4.	Provision of septic tanks and other hygienic measures at labours coming site.	Rs. 4.0 lacs	Rs. 11,400 per month
		5.	Provision of First Aid	-	Rs. 36,000 per month
		6.	Tree plantation and	Rs. 200 Lacs	

		landscaping		
	7.	Waste management	Rs. 45 Lacs	
	8.	Provision of PPE to workers including safety measures at site	-	Rs. 80,000 per month
	9.	Provisions of safe water supply and toilets with septic tanks for staff	Rs. 11.2 Lacs	Rs. 10,000 per month
	10.	Rain water harvesting Pits and Solar Lights	Rs. 567 Lacs	
	11.	Environmental monitoring	-	Rs.1,00,000 per six months
	c) Benefit cost ratio/internal rate of return and the year of assessment	Benefit cost ratio/ internal rate will be calculated and submitted.		
	d) Whether (c) includes the cost of environmental management as shown in b) above.	Yes		
	e) Actual expenditure incurred on the project so far.	Approx. Rs. 576 Crores has been spent on the project till 30 th September, 2018.		
	f) Actual expenditure incurred on the environmental management plans so far.	Expenditure on Environment Management Plan is done as per the allocation plan & only maintenance expense is there. The amount spent on the maintenance is approx. Rs. 3 Lakhs.		
10.	Forest land requirement:			
	a) the status of approval for diversion of forest land for non-forestry use	Not Applicable.		
	b) the status of clear felling, if any	Not Applicable.		
	c) the status of compensatory afforestation, if any.	Not Applicable.		
	d) Comments on the viability & sustainability of compensatory Afforestation programme in the light of actual field experience so far.	Not Applicable.		
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with	Not applicable		

	quantitative information	
12.	Status of construction:	
	a) Date of commencement (actual and/or planned)	October, 2011 (Actual)
	b) Date of completion (actual and/ or planned)	December, 2018 (Planned) Photographs showing the status of the project are attached along as Annexure 2 .
13.	Reasons for the delay, if the project is yet to start	Not applicable

**Compliance report on conditions imposed in Environmental Clearance for Period ending
30.09.2018**

PART A - SPECIFIC CONDITIONS

I. Construction Phase

S. No.	EC Conditions	Compliance Status
1.	"Consent to Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the State level Environment Impact Assessment Authority (SEIAA), Haryana before the start of any construction work at the site.	Agreed. "Consent to Establish" has been obtained from Haryana State Pollution Control Board.
2.	A first aid room as proposed in the project report shall be provided both during construction and operation of the project.	First Aid room has been provided at the construction site.
3.	Adequate drinking water and sanitary facility shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labors is strictly prohibited. The safe disposal of waste water and solid wastes generated during construction phase should be ensured.	Agreed. Adequate drinking water and sanitary facility has been provided at the project site for construction workers.
4.	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site in the project.	Agreed. The excavated topsoil is stored within the project site for horticulture/ landscape development to the maximum possible extent.
5.	The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction of construction waste should not create any adverse effect on the neighboring communities and should be disposed off after taking precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Agreed. Muck including excavated material during construction phase is disposed off after taking the necessary precautions for general safety and health aspects of people.
6.	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate water courses and the dump sites for such	Construction spoils including bituminous material and other hazardous materials is being stored separately and not allowed to contaminate water

	material must be secured so that they should not leach to the ground water.	sources. The dump sites for such material are done on the designated sites to prevent leaching into the ground water.
7.	The diesel generator sets to be used during construction phase shall be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Low sulphur diesel as per availability in the market is used as DG sets fuel and are used only as a source of backup.
8.	The diesel required for operating DG set shall be stored in underground tanks and if required, clearance from chief controller of explosives shall be taken.	Agreed. The diesel required for operating DG set is stored if the quantity that is stored increases the threshold limit, clearance from chief controller of explosive will be obtained.
9.	Ambient noise levels should conform to standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of CPCB/ MoEF.	Standards are well followed to maintain the permissible limit of noise. Test reports are attached at Annexure 3 .
10.	Fly ash shall be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27 th August 2003.	Agreed.
11.	Storm water control and its re-use as per Central Ground Water Board and BIS Standards for various applications should be ensured.	Storm water control management as proposed in the environmental clearance is being complied.
12.	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices referred.	Agreed. Adequate measures are taken to reduce the water demand during construction.
13.	Roof should meet the perspective requirement as per energy conservation building code by using appropriate thermal insulation material.	Agreed.

14.	Opaque wall should meet perspective requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Agreed. Materials having appropriate R & U values are proposed that meets prescriptive requirement of Opaque Wall as per Energy Conservation Building Code.
15.	The approval of 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 including protection measures from lightning etc. if any forest land is involved in the proposed site clearance under the forest conservation act shall be taken from the competent authority.	The drawings of the project have been approved by Structural Consultant Vintec Consultants, New Delhi and duly approved by Town and Country Planning Department, Haryana and taking into consideration that building requirements as per Zone-IV w.r.t earthquakes.
16.	The project proponent as stated in proposal shall construct 251 nos. rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.	251 Nos. of RWH pits will be constructed in due course of time. 13 Nos. of rain water harvesting pits have already been constructed.
17.	The Project Proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instruction issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding the fire safety scheme/ NOC from competent Authority is required.	Agreed. Adequate fire safety measures and equipments will be provided by the Project Proponent as required by Haryana Fire Service Act, 2009 and instruction issued by the local Authority/ Directorate of fire from time to time. Photographs showing the same are enclosed as Annexure 2 .
18.	The project proponent shall obtain assurance from the UHBVN for supply of 35,500 KVA of power supply before start of construction. In no case project will be	Agreed.

	operational solely on generators without any power supply from any external power utility.	
19.	Detail calculation of power load and ultimate power load of the project shall be submitted to UHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.	Agreed. It will be provided.
20.	The project proponent shall not raise any construction in the natural land depression/ Nallah/ water course and shall ensure that the natural flow from the Nallah/ water course is not obstructed.	Agreed. The natural land depression Nallah/ Water course will not be obstructed.
21.	The project proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the project. Level of the other areas in the projects shall also keep suitably so as to avoid flooding.	The plinth level of the building block is above the level of the approach road as prescribed by laws. Levels are suitably maintained to avoid flooding.
22.	Construction shall be carried out so that density of population does not exceed norms approved by the Director General Town and Country Department, Haryana.	Agreed. Construction is being done as per Building Plan to maintain population density.
23.	The project proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.	Agreed.
24.	The project proponent shall not cut any existing tree and project landscaping plan should be modified to included those trees in green area.	Agreed. Project landscaping is so planned that the existing trees, if any will be included.
25.	The project proponent shall ensure that ECBC norms for composite climate zone are met. In particular building envelope, HVAC service, water heating, pumping, lighting and electrical infrastructure must meet ECBC norms.	Agreed. All the measures are followed to meet the ECBC norms.
26.	The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air	Agreed. Barricades are provided around the project area, proper sprinkling and covering of stored material is being practiced to restrict dust and air pollution during construction.

	pollution during construction.	
27.	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	Agreed. A sedimentation basin is constructed in the lower level of the project site to trap pollutant and other wastes during rains.
28.	The project proponent shall provide proper rasta of proper width and proper strength for the project before start of construction.	Agreed. Roads of appropriate width and strength are being constructed for vehicular movement and to prevent traffic congestion before the start of construction.
29.	The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.	Agreed.
30.	The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.	Agreed. Construction dust is being controlled properly by sprinkling and providing wind wall barriers.
31.	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.	Agreed.
32.	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	Agreed. The permission has been granted for disposal of mineral from Department of Mines and Geology, Panchkula vide letter no. STP/Pk1/506 dated 12.05.2017 and is valid upto 12.06.2018. Copy of the same is attached as Annexure 4 .
33.	The project proponent shall provide one refuse area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuse area in the habitable apace and it should not be sold out/ commercialized.	Agreed.
34.	The project proponent shall seek specific prior approval from concerned local Authority/ HUDA regarding provision of storm drainage and sewerage system	Agreed and accepted. The approval for ground water abstraction has been obtained from CGWA vides letter No. 21-4(461)/NWR/CGWA/2011-1516.

	including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.	Copy of same is attached as Annexure 5 .
35.	The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the authority within one month.	Agreed. The site for solid waste management is earmarked. The details on solid waste management will be submitted.
36.	The project proponent shall discharge excess of treated waste water/ storm water in the public drainage system and shall seek permission of HUDA before the start of construction.	Agreed. Permission of discharge of excess of treated waste water/storm water in the public drainage system will be taken and copy will be submitted.
37.	The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.	Agreed. The project has been approved by Structural Safety Engineer so as to withstand earthquake.
38.	The Environmental Clearance to this project is subject to obtaining fresh clearance under the Wildlife (Protection) Act, 1972 from the Standing Committee of National Board for Wildlife and the project proponent shall start development work of the project only after the recommendation of Standing Committee of NBWL in this case.	Agreed.
39.	The project proponent shall ensure that the plinth level of the building block to be minimum 1.5 meter above highest flood level as per study carried out.	Agreed.
40.	The project proponent shall obtain NOC from irrigation Department before the start of development work.	Agreed.
41.	The project shall have the provision for infrastructure services (water supply, sewer, storm water lines, etc.) to accommodate the additional load arising from population residing in other lands falling within the project limits/ vicinity.	Agreed. Additional load has been considered while designing the facilities.
42.	The project shall provide the storm water drainage system in the project area strictly in accordance with the storm water drainage plan submitted with the SEIAA	Agreed. The storm water drainage system is being provided as per the approved layout plan.

	Haryana.	
43.	The project proponent shall not raise any construction activity in the ROW reserved/ acquired from High Tension Wire passing through the project area and shall maintain horizontal and vertical ROW as required under Indian Electricity Rules, 1956/ DHBVN latest instructions.	Agreed and accepted.
44.	The project proponent shall provide water supply @ 135 lpcd instead of 111 lpcd water supply, sewerage, STP and other services shall be provided accordingly.	Agreed. All the services are being designed @ 135 lpcd.
45.	The project proponent shall development of Old age home as per the plan Marked"A-11/79th" earmarking space for Old age home.	Agreed.
46.	The project proponent shall take up construction activity in the flood prone area only after specific approval from Irrigation Department/ HUDA/ DGTP Haryana.	Agreed. The construction activity has been done as per specific approval from HUDA.

II. Operation Phase:

S. No.	Conditions	Reply
1.	"Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.	"Consent to Operate has been obtained from HSPCB vide letter No. HSPCB/Consent/2821216PANCTO251 7288 dated 01.02.2016 which is valid upto 31.03.2026. Copy of Consent to Operate is attached as Annexure 6 .
2.	The sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including Odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only	Agreed. The sewage treatment plant has already been installed at the project site.

	Ortho-Phosphorus but total phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall be conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or per the initial occupancy as the case may be.	
3.	Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/liter and the recycled water will be used for flushing, gardening and DG set cooling etc.	Agreed. Dual plumbing system is being followed.
4.	For disinfection of the treated wastewater, ultra-violet radiation or ozonization process should be used.	Agreed. UV radiation is being followed for tertiary treatment of wastewater.
5.	Diesel power generation sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the basement as promised by the project proponent with appropriate stack height above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.	Agreed.
6.	Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the proposed Township project	Agreed. Test Reports are attached along as Annexure 3 .

7.	The project proponent as stated in the proposal shall maintain at least 33% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.	Agreed. The adequate area is being maintained for the landscaping and tree plantation. Photographs showing the same are attached along as Annexure 2 .
8.	The project proponent shall strive to minimize water in irrigation of landscape by minimize grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.	Agreed. Water minimization techniques are being followed to minimize the consumption of water for landscaping.
9.	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.	Rain water harvesting has been implemented.
10.	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Agreed. The copy of approval for ground water abstraction from CGWA is attached as Annexure 5 .
11	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared	Agreed. It will be submitted along with next six monthly report.

	incorporating details about building materials & technology, R & U Factors etc and submitted to the SEIAA, Haryana in the three month time.	
12	Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.	Agreed. The energy conservation measures are being followed like LED is being used for lighting. Photographs showing the solar panels are attached along as Annexure 2 .
13.	The project proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditional and adhesive. Project proponent shall also provide Halon free fire suppression system.	Agreed.
14.	The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as from time to time. The bio-degradable waste should be treated by appropriate technology (proposed OWC) at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved site for land filling after recovering recyclable material.	Agreed. The solid waste generated is being collected & segregated and disposed off as Solid Waste Management Rules, 2016.
15.	The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.	Agreed. Solar water heater has been provided as per HAREDA norms. Photographs showing the same are enclosed as Annexure 2 .
16.	The traffic plan and the parking plan proposed by the project proponent should be meticulously adhered to with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed site. Parking should be fully internalized and no public space should be used.	Agreed. The parking is fully internalized.
17.	The project shall be operational only when HUDA/local authority will provide domestic water supply system in the area.	Agreed.
18.	Operation and maintenance of STP, solid	Agreed.

	waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.	
19.	Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent shall maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler as per existing E-waste Management Rules 2011.	The different type of waste is being disposed off as per the norms and provisions set by the authorities. All measures are being followed to maintain the environment.
20.	Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rules, 1986 shall be strictly complied with.	Agreed.
21.	The project proponent shall make provision for guard pond and other provisions for safety against failure in the operation of wastewater treatment facilities. The project proponent shall also identify acceptable outside for treated effluent.	Agreed.
22.	The project proponent shall ensure that the stack height of DG sets is as per the CPCB guide lines and also ensure that the emission standards of noise and air are within the CPCB latest prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.	The stack height of DG set has been kept as per the CPCB guidelines. The test reports of the ambient air and ambient noise are attached as Annexure 3 .
23.	All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.	Agreed.
24.	The project proponent shall minimize heat island effect through shading and reflective	Agreed.

	or pervious surface instead of hard surface.	
25.	The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during drive summer and winter seasons should be kept at optimal level. Variable speed drive, best co-efficient of Performance (COP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.	Agreed. Only treated wastewater will be used for the HVAC and DG set cooling.
26.	The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.	Agreed.
27.	Water supply shall be metered among different users and different utilities.	Agreed. Water meter shall be installed.
28.	The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.	Agreed.
29.	The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.	Agreed. The project proponent has provided water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
30.	The project proponent shall provide additional green area on terrace and roof top.	Agreed.
31.	The project proponent shall ensure proper Air Ventilation and lights system in the	Agreed.

	basements area for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	
32.	The project proponent shall install solar for energy conservation.	Agreed. Photographs showing the same are attached as Annexure 2.
33.	The project proponent shall ensure availability of sunlight and air in each part of the building block.	Agreed. Building has been done as per sun path analysis.

Part B. General Conditions

S. No.	Conditions	Reply
1.	The project proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are compiled with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.	Agreed. Environmental Safeguards is being implemented in true spirit.
2.	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-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA, Haryana.	There is regularly submission of six monthly monitoring reports to the Northern Regional Office, MoEF, respective Zonal Office, Haryana. Acknowledgment of submission of previous compliance report for period ending 31.03.2018 is enclosed as Annexure 7.
3.	STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.	The environmental parameters will be monitored as per the guidelines. Environmental audit will be conducted and the details will be submitted with the next six monthly report.

4.	The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/ MoEF.	Agreed and accepted.
5.	The Project Proponent shall not violate any judicial orders/ pronouncements issued by any Court/ Tribunal.	Judicial orders/ pronouncements issued by any Court/ Tribunal will not be violated.
6.	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 Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.	Agreed. Copy of approval from Civil Aviation Department has already been submitted.
7.	The Project Proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.	Agreed. The advertisement has been published in the newspaper and copy has been submitted.
8.	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.	The construction work was started only after obtaining the environmental clearance.

9.	Any appeal against the 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.	Agreed and accepted.
10.	Corporate Environment and Social Responsibility (CSER) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, GoI Office Memorandum No. J-11013/41/2006-IA.II(I) dated 18.05.2012 and Ministry of Corporate Affairs, GoI Notification dated 27.02.2014. A separate audit statement shall be submitted in the compliance. Environment related work proposed to be executed under this responsibility shall be undertaken simultaneously. The project proponent shall select and prepare the list of the work for implementation of CSER of its own choice and shall submit the same before the start of construction.	Agreed and same will be followed.
11	The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to SEIAA/RO MoEF, GoI under rules prescribed fro Environment Audit.	The funds will be maintained as per the guidelines.
12	The project proponent shall ensure the compliance of Forest Department, Haryana notification no. S.O.121/PA2/1900/S.4/97 dated 28.11.1997.	Agreed.
13.	The Project Proponent shall ensure that no vehicle during construction/ operation phase enter the project premises without valid "Pollution under Control" certificate from competent Authority.	Agreed. Copy of PUC is attached as Annexure 8.
14.	The project proponent shall seek fresh Environmental Clearance if at any stage there is change in the planning of the proposed project.	Agreed. In case of any change, fresh EC will be obtained.
15.	Besides the developer/ applicant, the responsibility to ensure the compliance of	Environmental safeguards/ conditions imposed in the Environmental Clearance

	Environmental Safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the licensee/ licenses in whose name/ names the license/ CLU has been granted by the town & Country Planning Department, Haryana	are being complied.
16.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. it shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM _{2.5} , PM ₁₀ , SO _x , NO _x , Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a conventional location near the main gate of the company in the public domain.	The status of the compliance of the stipulated Environment Clearance conditions, including results of monitored data will be uploaded on the website.
17.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the HSPCB, Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective regional Offices of MoEF by e-mail.	Agreed.
18.	The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.	Agreed. It will be conducted at regular interval.

MS/SEA/MTR/2013/103

Date: 18.06.2013

To

M/s. D. F. Homes Panchkula Pvt. Ltd.
 C/o Malvinder Singh AVP Chandigarh Technology Park,
 Plot No. 2, Tower D Ground Floor, Chandigarh 160001.

Subject: Environment Clearance for the Revision and Expansion of D.F. Township "D.F. Garden City" at village Islam Nagar, Kalka Panchore Urban Complex Sector-3, Panchkula.

Dear Sir,

This letter is in reference to your application no. nil dated 28.11.2012 addressed to M.S. SEA, Gurgaon received on 03.12.2012 and subsequent letters dated 03.01.2013, 06.02.2013, 15.03.2013 and 25.05.2013 seeking prior Environmental Clearance for the above project under the EIA Notification no. 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., Form-I, Form-A, Conceptual Plan, EIA/EMP on the basis of approved TOR and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 23.3.2012, in its meetings held on 30.01.2014, 28.02.2014, 30.04.2014 and 18.06.2014 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the Revision and Expansion of D.F. Township "D.F. Garden City" at village Islam Nagar, Kalka Panchore Urban Complex, Sector-3, Panchkula with the proposal as given under:

Particulars	Existing	Expansion	Total
Total Plot Area	11142 acres	11176 acres	22318 acres
Total Area	211403 sqm	2223615 sqm	2435018 sqm
Open Area	(25% for plantation and 09% landscaping)		
Land Use Requirement	226 KLD	1250 KLD	1476 KLD
Water Requirement	2800 KLD	167 KLD	2967 KLD
Water Availability	2844 KLD	109 KLD	2953 KLD
Water Deficit	500 KLD	150 KLD	650 KLD
Water Shortage	1000 KLD	300 KLD	1300 KLD
Water Shortage	2700 KLD	167 KLD	2867 KLD
Water Shortage	2844 KLD	109 KLD	2953 KLD
Water Shortage	2844 KLD	109 KLD	2953 KLD

[3] The State Expert Appraisal Committee (SEAC) after due consideration of the proposal and comments submitted by the project proponent and additional sufficient data submitted in response to the observations of SEAC, has recommended the project for environmental clearance on the condition that the project is compliant with the stipulated

conditions. Accordingly, the State Environment Impact Assessment Authority in its meeting held on 09.01.2018 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(b) of EIA Notification, 2006 subject to the strict compliance with the specific and general conditions mentioned below.

PART A -
SPECIFIC CONDITIONS:

Construction Phase:

- [1] "Consent for Feasibility" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SE-IAA, Haryana before the start of any construction work at site.
- [2] A dust and noise as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3] Adequate drinking water and sanitary facilities shall be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4] All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site.
- [5] The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed off after taking necessary precautions for general safety and health aspects of people, especially at open sites with the approval of competent authority.
- [6] Construction spoil, including bituminous material and other hazardous materials and concrete should be collected into separate piles and the dump sites for such material must be secured so that they should not leak into the ground water and environment. The waste generated during construction phase, should be disposed off as per the applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7] The construction activities as specified during construction phase shall be of such a low nature that the same should not harm the environment. Pollution control measures shall be taken during construction phase.
- [8] All the activities shall be carried out in accordance with the provisions of the Act and Rules framed there under. The directions of the Justice shall be taken.
- [9] Construction shall be carried out in accordance with the provisions of the Act and Rules framed there under. The directions of the Justice shall be taken.

reduce ambient air pollution and noise level during construction phase, so as to conform to the stipulated residential standards of C.O.D.M of U.

- [10] Fly ash shall be used as bedding material in the construction as per the provisions of Fly Ash Notification of September 1989 and as amended on 27th August 2003.
- [11] Storm water control and its reuse as per CGWB and BIS standards for various applications should be ensured.
- [12] Water consumed during construction shall be reduced by use of pre-mixed concrete curing agents and other best practices.
- [13] Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [14] Opaque wall must meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [15] The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightning etc. If any forest land is involved in the proposed site, clearance under forest Conservation Act shall be obtained from the competent Authority.
- [16] The Project Proponent as stated in proposal shall construct 25 nos. rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silt trap and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that construction work shall not enter any RAWHP.
- [17] The project proponent shall provide for adequate fire safety measures and equipments as required by Maharashtra Fire Service Act, 2000 and directions issued by fire safety authority (Directorate of Fire) from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from concerned authority as required.
- [18] The Project Proponent shall obtain insurance from the IRIS for supply of water to the project premises and shall be liable for construction in the case project work is interrupted due to any generators without any power supply from any source.
- [19] Details of all the major electrical and electronic power load of the project shall be submitted to the Electrical Engineering Division of the Agency before the start of construction and shall be used for the final electrical design of the project.

[20] The Project Proponent shall not raise any accumulation in the nature of land depression. Surface water course and shall ensure that the natural flow from the Nalla/water course is not obstructed.

[21] The Project Proponent shall keep the ground level of the building blocks sufficiently above the level of the proposed road to the Project. Levels of the other areas in the Project site shall be kept suitably so as to avoid flooding.

[22] Construction shall be carried out in such density of population does not exceed norms approved by Director General, Town and Country Department Hyderabad.

[23] The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.

[24] The project proponent shall not cut any existing tree and project landscape plan should be modified to include those trees in green area.

[25] The project proponent shall ensure that ECW norms for composite climate zone are met, in particular building envelope, HVAC service, water heating, pumping, lighting and electrical infrastructure must meet ECW norms.

[26] The Project Proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.

[27] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.

[28] The project proponent shall provide proper base of proper width and proper strength for the project before the start of construction.

[29] The project proponent shall ensure that the U-value of the glass is less than 3.177 and the minimum solar heat gain coefficient is 0.28 for vertical fenestration.

[30] The project proponent shall adequately control construction dusts like silica dust, non-silica dust and road dust. Such dust shall not spread outside project premises. Project rubber cut shall provide respiratory protective equipment to all construction workers etc.

[31] The project proponent shall provide fire control beam act fire officer for building project shall comply with the Building Code.

[32] All project construction shall obtain permission of limits from City Survey Department Hyderabad for any construction work, installation of construction etc.

[33] All about 24 hours shall not be disturbed by the 24 meter and not till 25

[34] The project proponent shall not use any hazardous material. The project proponent shall not use any hazardous material. The project proponent shall not use any hazardous material.

- [30] The project proponent shall seek specific prior approval from concerned local Authority (UDA) regarding provision of storm drainage and sewerage system including their integration with external services of UDA. Local authorities beside other required services before taking up any construction activity.
- [35] The site for solid waste management plant be earmarked on C-Category plot and the detailed project for setting up the solid waste management plant shall be submitted to the Authority within one month.
- [36] The project proponent shall discharge excess of treated waste water/clean water in the public drainage system and shall seek permission of UDA before the start of construction.
- [37] The project proponent shall ensure that structure shall be withstand earthquake of magnitude 8 on Richter scale.
- [38] The Environmental Clearance to this project is subject to obtaining first clearance under the Wildlife (Protection) Act, 1972 from the Standing Committee of National Board for Wildlife and the project proponent shall start development work of the project only after the recommendation of Standing Committee of NBWL in this case.
- [39] The project proponent shall ensure that the plinth level of the building block to be minimum 1.5 meter above highest flood level as per study carried out.
- [40] The project proponent shall obtain ROC from Irrigation Department before the start of development work.
- [41] The project shall have the provision for infrastructure services (water supply, sewer, storm water line, etc) to accommodate the additional load arising from population residing in the lands falling within the project limits vicinity.
- [42] The project shall provide the storm water drainage system in the project area strictly as per outline with the storm water drainage plan submitted with the SEZ/UDA.
- [43] The project proponent shall not allow any construction activity in the ROW provided submitted for High Tension Wire passing through the project area and shall maintain the minimum and maximum ROW as required under main Electricity Act and its subsidiary rules/constructions.
- [44] The project proponent shall provide water supply to 135 plots instead of 111 plots. Water supply, sewer, storm and other services shall be provided accordingly.
- [45] The project proponent shall be debarred of all the age limit as per the plan submitted to the Government house for old age home.
- [46] The project proponent shall have an construction authority in the field in one month and shall submit the approved layout drawings to the UDA (D&E).

Operational Phase:

- (a) "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SIAA, Haryana.
- (b) The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including sludge and treated effluent will be recycled to achieve zero effluent discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall be submitted to the SIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/MSPCB, whichever is environmentally better. Project Proponent shall implement such STP technology which does not require filter backwash. The project proponent shall essentially provide two numbers of STPs preferably equivalent to 50% of total capacity or depending upon the initial occupancy as the case may be.
- (c) Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc.
- (d) For disinfection of the treated wastewater ultra-violet radiation or ozonation process should be used.
- (e) Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for electric use should be of enclosed type and conform to noise levels under the Environment (Protection) Act, 1986. The location of the DG sets shall be in the basement as promised by the project proponent with appropriate stack height above the highest point level of the project as per the CPCB norms. If diesel used for DG sets shall be ultra low sulphur diesel (ULSD) from any of the brands of low sulphur diesel.
- (f) Air quality monitoring should be conducted to ensure that it does not exceed the prescribed ambient air quality limit at the boundary of the Proposed Township Project.
- (g) The project proponent shall install fire equipment at least 95% as prescribed in the fire code. Fire extinguishers should be provided at the project and all buildings shall be equipped with fire alarm system which can provide protection against fire and other hazards and shall be maintained as per the code of practice.

appropriately landscaped and covered with vegetation (trees, herbs & shrubs). Only locally available plant species shall be used.

- (h) The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area using native variety, vermicasting and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapotranspiration data.
- (i) Rain water harvesting for roof-run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run-off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWD pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof-top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- (j) The ground-water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- (k) A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SEEA, Haryana in three months time.
- (l) Energy conservation measures like installation of LED only for lighting the areas outside the building and inside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adopted for the maximum energy conservation.
- (m) The Project Proponent shall use zero ozone depleting potential material for insulation, refrigeration, air conditioning and adhesive. Project Proponent shall also provide helium free fire suppression system.
- (n) The solid waste generated should be properly collected and segregated as per the requirement of Haryana Rules, 2000 and as amended from time to time. The biodegradable waste should be collected by appropriate technology and site earmarked for this purpose. Other non-biodegradable solid waste should be disposed off to the approved waste treatment plant after recovery of recyclable material.
- (o) The provision of fire safety and fire alarm system shall be as per the as specified by Haryana State Fire Department through the fire insurance Deptt.
- (p) The fire alarm and fire fighting equipment shall be as per the project requirement and be approved by fire department. The fire alarm and fire fighting equipment shall be for future expansion of the project. Provision of fire alarm and fire fighting equipment shall be as per the requirement of Haryana State Fire Department through the fire insurance Deptt.

resisted for conservation of power and water. V oil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.

(k) The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silica steel and virgin electrolytic grade copper. The project proponent shall obtain manufacturer's certificate also for that.

(ka) Water supply shall be metered among different users and different utilities.

(kb) The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-wash under any meteorological conditions.

(kc) The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter's 'LM'.

(kd) The project proponent shall provide additional green area on terrace and roof top.

(ke) The project proponent shall ensure proper Air Ventilation and light system in the basements area for comfortable living of human being and shall ensure that number of Air Changes per hour (ACH) in basement never falls below 10. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.

(kf) The project proponent shall install solar panel for energy conservation.

(kg) The project proponent shall ensure availability of sunlight and air in each part of the building.

PART B: GENERAL CONDITIONS:

(i) The project proponent shall ensure the commitments made in Form - Form 1A, 1B, 1C, 1D, and other documents submitted to the SIA/EA for the protection of environment and proper environmental management is complied with in letter and spirit. The use of any media in any way to show or cause damage to any people or animals or some other ill-effects on the flora shall be taken as violation of the conditions.

(ii) The project proponent shall submit quarterly reports on the status of activities and the compliance conditions including results of monitoring and audit to the concerned authorities as well as to the Regional Director of Environment and Forests, Government of India, D.O. and S.O. at Hyderabad.

(iii) The project proponent shall submit a report on the first and last month of monsoon and winter seasons (at least once a year) to be submitted on calendar basis to the concerned authorities. The project proponent shall ensure that the project area is free from any kind of pollution or any other activities which may cause any kind of damage to the environment.

(iv) The project proponent shall ensure that the project area is free from any kind of pollution or any other activities which may cause any kind of damage to the environment.

revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.

(vi) The Project proponent shall not violate any judicial order/pronouncements issued by any Court/Tribunal.

(vii) 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 Wildlife (Protection) Act, 1972, Forest Act, 1927, P. VA, 1960, etc, shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

(viii) The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Jharkhand State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Jharkhand. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.

(ix) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.

(x) Any appeal against the this Environmental Clearance shall lie with the National Green Tribunal at New Delhi within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(xi) Corporate Environment and Social Responsibility (CESR) shall be undertaken by the project proponent (2% shall be earmarked) as per guidelines of MoEF, Govt Office Memorandum No. 7143/Env/16/1001 dated 18.05.2012 and Ministry of Company Affairs, Govt of India on Date 27.02.2014. A separate audit statement shall be submitted in the appropriate Government related work proposed to be carried out by the project proponent simultaneously. The public grievance redressal and other are the list of the work for implementation of CESR shall be done within the stipulated time frame the start of construction.

(xii) The audit reports on the environment protection measures shall be kept in the project file and shall be submitted in case you were called upon to do so by the ST/Ministry of Environment and Forests as prescribed in the Manual.

(xiii) The project proponent shall comply the stipulations of Forest Department, Jharkhand and other relevant laws and regulations, 1980, 1972, 1927, 1960, etc.

- [xiii] The Project Proponent shall ensure that no vehicle during construction operation, pass that the project proceeds without valid Pollution Under Control certificate from competent authority.
- [xiv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xv] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/name the license/CLC has been granted by the Town & Country Planning Department, Paryaha.
- [xvi] The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall automatically be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The critical pollutants are namely: PM₁₀, PM_{2.5}, SO₂, NO_x, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrene, arsenic and Nickel. (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- [xvii] The environmental statement for each financial year ending 31st March in Form V as mandated to be submitted by the project proponent to the HSPCB Panchkula or, prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
- [xviii] The project proponent shall conduct environment audit at every three months interval and thereafter corrective measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the form for aq report.

Member Secretary
State Level Environmental Impact
Assessment Authority, Haridwar, Pantnagar

Order No. SE/74/2019/2019

Dated

A copy of the order is forwarded to the following:

1. The Additional Chief Executive Officer, MoEF, SO, Haridwar, Pantnagar, Uttarakhand.

2. The Regional Office of Ministry of Environment, Govt. of Uttarakhand, Sector 1, Pantnagar.

3. The Chairman, Haridwar State Pollution Control Board.

Member Secretary
State Level Environmental Impact
Assessment Authority, Haridwar, Pantnagar

PHOTOGRAPHS OF THE PROJECT PREMISES



(a)



(b)



(c)

PHOTORPAPHS SHOWING GREEN AREA



(a)



(b)



(c)

PARKING AREA PROVIDED WITHIN THE PROJECT



(a)



(b)

PHOTOGRAPHS SHOWING THE SOLAR PANELS



(a)



(b)

FIRE EXTINGUISHER EQUIPMENTS PROVIDED WITHIN THE PROJECT



(a)



(b)

DG SET PROVIDED WITHIN THE PROJECT



(a)

AREA UNDER CONSTRUCTION



(a)



(b)



Eco Laboratories & Consultants Pvt. Ltd.

CIN : U74140PB2011PTC034739



[A Govt. Approved, ISO 9001:2015, 14001 & OHSAS-18001:2007 certified & Approved by MOEF, PPCB]



TEST REPORT



TC-7477

Test Report No. : EL021118NW001		EC-2019/11629		Page No. 1/1
Customer	DLF Garden City Vill. Bhagwanpur, Pinjore, Distt.-Panchkula, Haryana			
Work Order No. & Date	Email Dt: 11/10/2018			
Type of Sample	Ground Water			
Mode of Collection of Sample	Sampling by laboratory			
Date of Sampling	02/11/2018			
Sampling Location	A1 Row Borewell No. 1			
Sampling Protocol	IS: 3025-(P-1)-1987-R-1998 Amdt-1 & APHA			
Packing, Markings, Seal & Quantity	Plastic & Glass Bottle Marked 'DV01' 2litre + 250ml			
Date of Receipt of Sample	02/11/2018			
Period of Analysis	02/11/2018 To 06/11/2018			
Date of Reporting	06/11/2018			
Testing Protocol	IS 10500 (2012)			
Sample Observation	Colourless Liquid.			

RESULTS

S.No.	Test Parameter	Units	Results	Requirement		Test Method
				Acceptable limit	Permissible limit in absence of alternate source	
1	Colour	hazen	BDL(DL-5)	5	15	APHA-23rd Ed 2017-2120 B
2	Total Hardness as CaCO ₃	mg/L	198	200	800	APHA-23rd Ed 2017-2340C
3	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 1983 RA 2017
4	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8): 1984 RA 2017
5	Turbidity	NTU	0.3	1	5	APHA-23rd Ed 2017- 2130B
6	Chloride as Cl	mg/L	15	250	1000	APHA-23rd Ed 2017- 4500 B
7	pH	-	6.83	6.5 - 8.5	No relaxation	APHA-23rd Ed 2017-4500B
8	Iron as Fe	mg/L	0.18	0.3	No relaxation	APHA-23rd Ed 2017-3111C
9	Total coliforms	MPN/100ml	<2*	Absent	-	IS: 1822:1981 RA-2009
10	E.Coli	MPN/100ml	<2*	Absent	-	IS: 1822:1981 RA-2009

Remarks (if any) BDL=Below Detection Limit; DL= Detection Limit; Please refer terms & conditions overleaf.
*<2 is minimum detection limit as per IS 1622 method and is equal to absent

End of Report

Roopak

Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.

Roopak
Authorized Signatory

Dr. Roopak Kumar

Format No. F/5.10-01/01



TEST REPORT



Test Report No. : EL021118NS001	EC-18-19/11630	Page No. 1/1
Customer	DLF Garden City VIII. Bhagwanpur, Pinjore, Distt.-Panchkula, Haryana	
Work Order No. & Date	Email Dt.: 11/10/2018	
Type of Sample	Soil	
Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	02/11/2018	
Sampling Location	Near Park (New Club)	
Packing, Markings, Seal & Quantity	Poly Bag Marked 'D/02' 1kg	
Date of Receipt of Sample	02/11/2018	
Period of Analysis	02/11/2018 To 06/11/2018	
Date of Reporting	06/11/2018	
Sample Observation	Brown coloured soil.	

RESULTS

S.No.	Test Parameter	Units	Results	Test Method
1	pH	-	7.30	IS:2720 (Part-26) 1987 [Reaffirmed.2011]
2	Conductivity	mmhos/cm	0.134	IS:14767: 2000[Reaffirmed.2016]
3	Moisture Content	%	7.8	IS:2720 (Part-II) 1973 R 2015
4	Organic Matter	%	0.68	IS: 2720 (Part XXII) 1972 Reaaffirmed. 2015
5	Texture	-	Sandy Loam	IS: 2720 (Part XXII) 1972 Reaaffirmed. 2015
6	Bulk Density	gm/cc	1.58	IS: 2720 (Part- III);1980[Reaffirmed.2011]

Remarks (if any) Please refer terms & conditions overleaf.

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.


Lab Incharge


Authorized Signatory

Dr. Roopak Kumar

TEST REPORT



TC-7477

Test Report No. : EL031118NA004		EC-11-19/11631	Page No. 1/1
Customer	DLF Garden City Vill. Bhagwanpur, Pinjore, Distt.-Panchkula, Haryana		
Work Order No. & Date	Email Dt: 11/10/2018		
Type of Sample	Ambient Air		
Mode of Collection of Sample	Sampling by laboratory		
Date of Sampling	02/11/2018		
Sampling Location	Park Near Club House (C-1 Block)		
Sampling Protocol	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.		
Date of Receipt of Sample	03/11/2018		
Period of Analysis	03/11/2018 To 06/11/2018		
Date of Reporting	06/11/2018		
Testing Protocol	NAAQS 2009		
Environmental Condition	-		

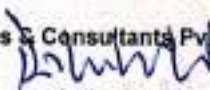
RESULTS

S.No.	Test Parameter	Units	Results	NAAQS 2009	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m ³	96	100	IS 5182 : Part-23:2006 RA 2017
2	Particulate Matter (PM2.5)	µg/m ³	52	60	Lab SOP: EL/SOP/AAQ/01
3	Sulphur Dioxide (SO ₂)	µg/m ³	13	80	IS 5182 : Part-2:2001, RA 2017
4	Oxides of Nitrogen	µg/m ³	26	80	IS 5182: Part-6:2006 RA2017
5	Ammonia (NH ₃)	µg/m ³	30	400	Lab SOP: EL/SOP/AAQ/02
6	Ozone (O ₃)	µg/m ³	22	180	IS 5182 Part-9: 1974, RA 2014
7	Carbon Monoxide (CO)	mg/m ³	BDL (DL-1.5)	04	Lab SOP: EL/SOP/AAQ/03

Remarks (if any) BDL Below Detection Limit; DL-Detection Limit
Please refer terms & conditions overleaf.

End of Report

For Eco Laboratories & Consultants Pvt. Ltd.


Authorized Signatory
Dr. Roopak Kumar


Lab Incharge



TEST REPORT



TC-7477

Test Report No. :EL031118NN001		EC-18-19/11632	Page No. 1/1
Customer	DLF Garden City VIII. Bhagwanpur, Pinjore, Distt.-Panchkula, Haryana		
Work Order No. & Date	Email Dt: 11/10/2018		
Type of Sample	Ambient Noise		
Mode of Collection of Sample	Sampling by laboratory		
Date of Sampling	02/11/2018		
Sampling Location	Park Near Club House (C-1 Block)		
Sampling Protocol	IS: 9989:1981 R-2002 and as per customers requirements		
Date of Receipt of Sample	03/11/2018		
Period of Analysis	03/11/2018 To 03/11/2018		
Date of Reporting	06/11/2018		
Testing Protocol	IS 9989: 1981 R-2002		
Environmental Condition	--		

RESULTS

S.No.	Test Parameter	Units	Result	Method
1	Ambient Day Time Noise	dB (A)	53	Lab SOP: EL/SOP/NL/01

Remarks (if any) Please refer terms & conditions overleaf.

End of Report


Lab Incharge

For Eco Laboratories & Consultants Pvt. Ltd.


Authorized Signatory

Dr. Roopak Kumar

Area Code	Noise: Ambient Air Quality Standards Category of Area	Limit dB (A) Leq	
		Day Time (6AM-10PM)	Night Time (10PM-6AM)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

Annexure-4

Memo No. STP/PKV 206

Dated 15/5/17

Form PIM-6
(See rule 32(2))

STP No. 2577

Standard permits for the grant of permission for disposal of mineral extracted incidental in developmental activities.

Whereas M/s. Starcon Infra Projects (I) Pvt. Ltd., C-101/102, 2nd Floor, Lejpat Nagar, New Delhi, has applied for the grant of a permit under Rule 27 to 35 of the Haryana Minor Mineral (Conservation, Stacking & Transportation of Minerals and Prevention of Illegal Mining) Rules, 2012 for disposal of O'Clay 2895 MT, Stone 891 MT and Bajri 668 MT from excavation/removed from VIII, Bhagwanpur, Sector-3, Panchkula, (details of area) incidental to the development project. The applicant has/have paid royalty amounting to Rs. 91901/- (with STP Fee) and security is already paid (50% of the amount of royalty).

2. The permission is hereby granted for disposal of the mineral O'Clay, Stone & Bajri, total of 4455 MT excavated/removed from the aforesaid area subject to the condition that the holder will abide by the safety guards for such excavation or removal.

3. The permit holder shall transport/disposed off the ordinary clay/stone/sand/earth from the site of the excavation only by issuing a Mineral Transit pass.

4. The amount security deposit shall entail no interest. The security amount shall be refunded within a period of three months in case the same is not forfeited or required to be detained for any other purpose under this permit.

5. Any sum due from the permit holder shall be recovered from him as an arrear of Land Revenue.

The permission shall be valid from 13.06.2017 to 12.06.2018.


Mining Officer,
Deptt. Mines & Geology,
Panchkula.

Dated:

Enclst. No. STP/PKV

A copy is forwarded to following for information please

The Director, Mines and Geology, Haryana, Chandigarh.
Deputy Commissioner, Panchkula

Mining Officer,
Deptt. Mines & Geology,
Panchkula.

Central Ground Water Authority
Ministry of Water Resources
Government of India

No. 214(2011)NW/CGWA/2011-1516

Dated: 11 OCT 2011

To,
M/s DLF Homes Panchkula Pvt. Ltd.,
Chandigarh Technology Park, P at No. 2,
Tower 'D', Ground Floor,
Chandigarh - 160101

Subj: Request for Ground Water clearance in respect of M/s DLF Homes Panchkula Pvt. Ltd. for their proposed Residential plotted colony "DLF Valley" at Sector 3, Panchkula-Kalla Division, village Mangwanpur & Jhannuagar, Block Patajore, Tehsil Katta, District Panchkula, Haryana-reg.

Sir,
The area where the project falls comes under safe category as per the ground water assessment carried out by Central Ground Water Board. Since the total requirement of ground water is 1502 m³/day, NOC is not required for ground water withdrawal from Central Ground Water Authority. However, to neutralize the adverse impact of ground water withdrawal that may arise on a long term basis, the industry project is advised to undertake the following measures:

1. Ground Water withdrawal shall not exceed the proposed quantity of 1502 m³/day.
2. All abstraction structures should be fitted with water meter by the industry and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The data may be submitted on a yearly basis to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for perusal and records.
3. The industry should adopt and implement artificial recharge measures such as water harvesting measures for augmenting the ground water resources of the area as per the hydrogeological investigation.
4. The industry shall ensure proper conservation measures, recycling and reuse of waste water after adequate treatment.
5. The industry shall monitor the ambient ground water regime of the area through piezometers and submit the data on a yearly basis to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for perusal and records.

Yours faithfully,
[Signature]
Scientist 'D'
for Member Secretary

Copy for information to the:

1. Member Secretary, Haryana State Pollution Control Board, C-11, Sector 4, Panchkula, Haryana, with a request to ensure that Rain Water Harvesting and Artificial Recharge methods are being implemented by the firm and quantity of withdrawal is not exceeding 1502 m³/day.
2. Regional Director, Central Ground Water Board, North Western Region, Bhujal Bhawan, P at # 3-B, Sector 27 - A, Madhya Marg, Chandigarh 160019. This has reference to your letter No. 4(172)A/ER/DLF Valley/NW/CGWA/2011 - 1516 dated 26.7.2011.
3. TS to Chairman, Central Ground Water Board, NH-19, Faridabad.

Scientist 'D'
for Member Secretary

West Block-2, Wing-3, Ground Floor, B. K. Puram, Sector-1, New Delhi-110066
Tel: 011-26173362, 26173363, 26173337; Fax: 011-26173369 e-mail: cgwa@cgwa.gov.in web site: cgwa.gov.in



Annexure - 6

HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA

Website - www.hvpcb.gov.in E-Mail - hspcb.pat@sifymail.com
Tele Fax No. - 0172-2577870-73

No. HSPCB/Consent/ : 2821216PANCTO2517288

Dated: 01/02/2016

To

M/s : DLF Homes Panchkula Pvt. Ltd.
Village Islam Nagar Bhagwanpur Sector 3 District Panchkula
PANCHKULA

Subject: Grant of Consent to operate for discharge of effluent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.
from 01/04/2016 - 31/03/2026

Please refer to your consent application received on dated 2015-12-23 in Regional Office, Panchkula on the subject cited above.

With reference to your above application for consent for the discharge of domestic effluent and trade effluent under Water (Prevention & Control of Pollution) Act, 1974 hereinafter referred as the Act M/s DLF Homes Panchkula Pvt. Ltd. is hereby authorized by the Haryana State Pollution Control Board, to discharge their effluent arising out of their premises in accordance with the terms and conditions as mentioned below:-

1. The daily quantity of domestic effluent from the factory shall not exceed 443 KLD
2. The daily quantity of the industrial effluent (Process, floor & equipment wash, cooling and bleed water) from the factory shall not exceed 0 KLD
3. **The industry has been assessed for the purpose of Consent to operate fee with investment cost (land, building, plant and machinery) of Rs. 893.52 Lakh. In case the investment cost varies as per the annual report for the years duly audited by the Chartered Accountant, the difference of Consent to operate fee, if any, arises, the industry shall pay the same amount within one month of the receipt of notice from the Board in this regard.**
4. The consent to operate shall be valid for the period from 01/04/2016 - 31/03/2026
5. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.
6. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent.
In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc
7. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.
8. **The industry shall not discharge any altered quantity/quality of the trade/domestic effluent without prior permission of the Board.**

9. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.
10. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.
11. In case the industrial unit uses the Municipal/HUDA/Industrial Estate Sewerage system for disposal of effluent for the final disposal they will submit the sewerage connection certificate.
12. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.
13. The industry will plant minimum three varieties (Eucalyptus, Sa Bahul or any suitable variety) of trees in the vacant area.
14. The consent to operate under Air (Prevention & Control of Pollution) Act, 1981 should be obtained.
15. The industry shall obtain Authorization under Hazardous Waste (Management handling and transbanding movement) Rules, 2008 as amended to date.
16. The industry shall install separate Energy Meter for ETP and also maintain log book for energy and chemical consumption.
17. The industry shall obtain permission from Irrigation Department for discharging effluent into any drain/water bodies.
18. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.
19. The industry shall provide non-leachate storage facilities for storage of Hazardous Waste or dispose off same in the common facilities & will adhere to the norms laid down as per the amended notification under HWTM Rules, 2008.
20. The industry shall submit A/R once in 3 months in case of 17 categories and other categories. The L&M shall submit A/R once in 6 months.
21. The industry shall comply the Public Liability Insurance Rules, 1991, as amended to date.
22. The industry shall submit Environmental Audit /Report once in a year.
23. The industry shall obtain Environmental Clearance, if applicable as per MOEF Notification.
24. The industry shall inform to HO/RO office immediately by FAX in case of failure of ETP.
25. In case of bye passing the effluent the consent to operate shall be deemed revoke.
26. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

Other Conditions :

1. 1. Unit will operate & maintain their STP efficiently & regularly. 2. Unit will keep the parameters within limit. 3. Unit will comply with the conditions of the Environmental clearance and submit six monthly report to board.

*Regional Officer, HQ
For and be half of chairman
Haryana State Pollution Control Board,
Panchkula.*

DLF Homes Panchkula Pvt. Ltd.

SCO - 190,191,192, Sector-8-C,
Chandigarh - 160017
Phone - 0172-4607730,
Fax - 01724607737
Website: www.dlf.in



Date:- 04/06/2018

To

Advisor

Ministry of Environment, Forest & Climate Change,
Regional Office (North),
Government of India
Bay No. 24-25, Sector-31A
Chandigarh.

Subject: Submission of Six Monthly Compliance Report for period ending 31.03.2018 for the project namely " DLF Garden City" at Bhagwanpur, Pinjore, Distt-Panchkula.

Sir,

We are hereby submitting six monthly report for period ending 31.03.2018 in the form of Data Sheet along with compliance of the stipulated environmental conditions. All relevant details/ documents are attached as annexure for your kind consideration.

The test reports on Ambient Air, Water, Soil and Noise levels are also submitted. The soft copy of complete report in CD is also enclosed along.

Thanking you.

Sincerely,

For M/s. DLF Homes Panchkula Pvt. Ltd.

(Authorized Signatory)

Name- Manpreet Singh

Contact No.- 9988001070

Designation- Sr. Mgr

Email- wahi-manpreet@dlf.in

CC to: 1) Member Secretary, SEIAA Haryana, Bay No.- 55-58, Paryatan Bhawan, 1st Floor, Sector-2, Panchkula, Haryana-134109.

2) The Chairman, HSPCB, C-11, Sector-6, Panchkula, Haryana-134109.

Haryana State Pollution Control Board
C-11, Sector-6, Panchkula

Regd. Office: 2nd Floor, DLF Gateway Tower, DLF City Phase - III,
National Highway - 8, Gurgaon -122 002, HARYANA

राजस्थान परिवहन प्राधिकरण

Authorised by : STATE TRANSPORT AUTHORITY
CHANDIGARH ADMINISTRATION

₹ 50/-

No.	PUCC No. प्राधिकृत संख्या	DS103000410	MIN RPM न्यूनतम RPM	MAX RPM अधिकतम RPM	MEAN RPM औसत RPM	MIN RPM न्यूनतम RPM	MAX RPM अधिकतम RPM	MEAN RPM औसत RPM	MIN RPM न्यूनतम RPM	MAX RPM अधिकतम RPM	MEAN RPM औसत RPM
Vehicle No. वाहन संख्या	CH01TA3333		0605	02705	065	0130	0178	0236	050	057	058
Make ब्रांड	JOY		Co Legit (Hing, Chandigarh)			0175	0236	0239	Prescribed Measurement/Recommended/Secured		
Model मॉडल	JOY		Standard Level			0175	0236	0239	Standard Level		
Category श्रेणी	Car or 2015		Standard Level			0175	0236	0239	Standard Level		
Year वर्ष	2015		Standard Level			0175	0236	0239	Standard Level		
Fuel इंधन	Diesel		Standard Level			0175	0236	0239	Standard Level		
Date दिनांक	11/Aug/2019		Standard Level			0175	0236	0239	Standard Level		
Time समय	8:27:05 PM		Standard Level			0175	0236	0239	Standard Level		
Valid upto वैधता तक	16/febr/2019		Standard Level			0175	0236	0239	Standard Level		

प्रमाणित किया जाता है कि इस वाहन का CO, उत्सर्जन स्तर के भी वा. नियम 1989 की 115 (2) में निर्धारित स्तर के अनुसार है।

यदि आपकी कोई शिकायत या रिपोर्ट है तो कृपया ए.टी.ए. कार्यालय से संपर्क करें।
In case of any complaint/ Shikayat please contact Chandigarh U.T.



Signature
Date: 11/08/2019
Lic. No. 103000410
Reg. No. 103000410

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE
AUTHORISED BY TRANSPORT CONTROLLER
Licence No. PKL-D-0045 **2679**

PUCG No.

प्राणपुत्र सर्विस

प्रमाणित किया जाता है

00083003006 गवाहन, का. Co

उत्पत्ति के ली या

Vehicle No.

वाहन पंजी सं०

1989 को मॉडल 115 (2)

HR 555 4834 निश्चित तार के अनुसार है।

यदि उपरोक्त कोई कोई विकल्प है।

Make

मैक

JCB

सो इन्डिया Right: Top Authority

Panchkula क संचालक का

Model

मॉडल

JCB

Certified that this vehicles CO

emission level conforms to the

standards prescribed under Rule

145 (2) of CM Rules, 1989.

In case of any complaint, please

write District Transport Authority

Panchkula

Category

वर्ग

Others

Year

सर्व

03/01/2013

Fuel

ईंधन

Diesel

Date

दिनांक

26/Nov/2018

Time

समय

10:00:51 AM

Valid upto

तक

23/May/2019,

तक

RS-100%

Flushing Cycle Mean RPM Min 0927 Max 1522

S.No.	RPM(Min)	RPM(Max)	X m-1	HS0%	Temp
1.	0644	2694	0.45#	0.42%	68
2.	0765	2795	0.42#	0.45%	70
3.	0644	2644	0.45#	0.42%	66
4.	0765	2795	0.42#	0.45%	70
5.	0644	2644	0.45#	0.42%	66
5.	0765	2795	0.42#	0.45%	70
7.					
8.					
9.					
10.					
Mean		9655	0.42#	0.43%	



AUTHORITY SIGNATORY
आधिकारिक हस्ताक्षरकर्ता

PANCHKULA CORPORATION

Kalka Shimla Highway, NH-22,

Surajpur, Distt. Panchkula,

Haryana, M. 9356451913

Valid in Delhi (3 months)

922

302720000 425

HRJIC 1880

SWARAJ

735 FE

VALCATOR

Step 4 of Stage V

10-2-2011

DISEL

24.1.2018

10:13AM

23-5-2019



Sl. No.	Part	Qty	Rate	Amount	U. Value	U. Total
1	1001	100	2000	200000	200000	200000
2	1002	100	1000	100000	100000	100000
3	1003	100	500	50000	50000	50000
4	1004	100	200	20000	20000	20000
5	1005	100	100	10000	10000	10000
6	1006	100	50	5000	5000	5000
7	1007	100	25	2500	2500	2500
8	1008	100	12.5	1250	1250	1250
9	1009	100	6.25	625	625	625
10	1010	100	3.125	312.5	312.5	312.5
11	1011	100	1.5625	156.25	156.25	156.25
12	1012	100	0.78125	78.125	78.125	78.125
13	1013	100	0.390625	39.0625	39.0625	39.0625
14	1014	100	0.1953125	19.53125	19.53125	19.53125
15	1015	100	0.09765625	9.765625	9.765625	9.765625
16	1016	100	0.048828125	4.8828125	4.8828125	4.8828125
17	1017	100	0.0244140625	2.44140625	2.44140625	2.44140625
18	1018	100	0.01220703125	1.220703125	1.220703125	1.220703125
19	1019	100	0.006103515625	0.6103515625	0.6103515625	0.6103515625
20	1020	100	0.0030517578125	0.30517578125	0.30517578125	0.30517578125
21	1021	100	0.00152587890625	0.152587890625	0.152587890625	0.152587890625
22	1022	100	0.000762939453125	0.0762939453125	0.0762939453125	0.0762939453125
23	1023	100	0.0003814697265625	0.03814697265625	0.03814697265625	0.03814697265625
24	1024	100	0.00019073486328125	0.019073486328125	0.019073486328125	0.019073486328125
25	1025	100	0.000095367431640625	0.0095367431640625	0.0095367431640625	0.0095367431640625
26	1026	100	0.0000476837158203125	0.00476837158203125	0.00476837158203125	0.00476837158203125
27	1027	100	0.00002384185791015625	0.002384185791015625	0.002384185791015625	0.002384185791015625
28	1028	100	0.000011920928955078125	0.0011920928955078125	0.0011920928955078125	0.0011920928955078125
29	1029	100	0.000059604644775390625	0.00059604644775390625	0.00059604644775390625	0.00059604644775390625
30	1030	100	0.0000298023223876953125	0.000298023223876953125	0.000298023223876953125	0.000298023223876953125
31	1031	100	0.00001490116119384765625	0.0001490116119384765625	0.0001490116119384765625	0.0001490116119384765625
32	1032	100	0.000007450580596923828125	0.00007450580596923828125	0.00007450580596923828125	0.00007450580596923828125
33	1033	100	0.0000037252902984619140625	0.000037252902984619140625	0.000037252902984619140625	0.000037252902984619140625
34	1034	100	0.00000186264514923095703125	0.0000186264514923095703125	0.0000186264514923095703125	0.0000186264514923095703125
35	1035	100	0.000000931322574615478515625	0.00000931322574615478515625	0.00000931322574615478515625	0.00000931322574615478515625
36	1036	100	0.00000046566128730773928125	0.0000046566128730773928125	0.0000046566128730773928125	0.0000046566128730773928125
37	1037	100	0.000000232830643653869640625	0.00000232830643653869640625	0.00000232830643653869640625	0.00000232830643653869640625
38	1038	100	0.0000001164153218269348203125	0.000001164153218269348203125	0.000001164153218269348203125	0.000001164153218269348203125
39	1039	100	0.00000058207660913467241015625	0.0000058207660913467241015625	0.0000058207660913467241015625	0.0000058207660913467241015625
40	1040	100	0.000000291038304567336205078125	0.00000291038304567336205078125	0.00000291038304567336205078125	0.00000291038304567336205078125
41	1041	100	0.0000001455191522836681025390625	0.000001455191522836681025390625	0.000001455191522836681025390625	0.000001455191522836681025390625
42	1042	100	0.00000007275957614183405126953125	0.0000007275957614183405126953125	0.0000007275957614183405126953125	0.0000007275957614183405126953125
43	1043	100	0.000000036379788070917025634765625	0.00000036379788070917025634765625	0.00000036379788070917025634765625	0.00000036379788070917025634765625
44	1044	100	0.0000000181898940354585128173828125	0.000000181898940354585128173828125	0.000000181898940354585128173828125	0.000000181898940354585128173828125
45	1045	100	0.00000000909494701772925640869140625	0.0000000909494701772925640869140625	0.0000000909494701772925640869140625	0.0000000909494701772925640869140625
46	1046	100	0.000000004547473508864628204345703125	0.00000004547473508864628204345703125	0.00000004547473508864628204345703125	0.00000004547473508864628204345703125
47	1047	100	0.0000000022737367544323141021728515625	0.000000022737367544323141021728515625	0.000000022737367544323141021728515625	0.000000022737367544323141021728515625
48	1048	100	0.000000001136868377216157051086428125	0.00000001136868377216157051086428125	0.00000001136868377216157051086428125	0.00000001136868377216157051086428125
49	1049	100	0.0000000056843418860807852554321015625	0.000000056843418860807852554321015625	0.000000056843418860807852554321015625	0.000000056843418860807852554321015625
50	1050	100	0.00000000284217094304039262771605078125	0.0000000284217094304039262771605078125	0.0000000284217094304039262771605078125	0.0000000284217094304039262771605078125
51	1051	100	0.000000001421085471520196313857825390625	0.00000001421085471520196313857825390625	0.00000001421085471520196313857825390625	0.00000001421085471520196313857825390625
52	1052	100	0.0000000007105427357600981569289126953125	0.000000007105427357600981569289126953125	0.000000007105427357600981569289126953125	0.000000007105427357600981569289126953125
53	1053	100	0.00000000035527136788004907846445634765625	0.0000000035527136788004907846445634765625	0.0000000035527136788004907846445634765625	0.0000000035527136788004907846445634765625
54	1054	100	0.000000000177635683940024539232228173828125	0.00000000177635683940024539232228173828125	0.00000000177635683940024539232228173828125	0.00000000177635683940024539232228173828125
55	1055	100	0.000000000088817841970012269616114086428125	0.00000000088817841970012269616114086428125	0.00000000088817841970012269616114086428125	0.00000000088817841970012269616114086428125
56	1056	100	0.00000000004440892098500613080805704321015625	0.0000000004440892098500613080805704321015625	0.0000000004440892098500613080805704321015625	0.0000000004440892098500613080805704321015625
57	1057	100	0.000000000022204460492503065404028521605078125	0.00000000022204460492503065404028521605078125	0.00000000022204460492503065404028521605078125	0.00000000022204460492503065404028521605078125
58	1058	100	0.0000000000111022302462515327020142607825390625	0.000000000111022302462515327020142607825390625	0.000000000111022302462515327020142607825390625	0.000000000111022302462515327020142607825390625
59	1059	100	0.00000000000555111512312576635100713039126953125	0.0000000000555111512312576635100713039126953125	0.0000000000555111512312576635100713039126953125	0.0000000000555111512312576635100713039126953125
60	1060	100	0.000000000002775557561562883175353565160390625	0.00000000002775557561562883175353565160390625	0.00000000002775557561562883175353565160390625	0.00000000002775557561562883175353565160390625
61	1061	100	0.000000000001387778780781441587676782578125	0.00000000001387778780781441587676782578125	0.00000000001387778780781441587676782578125	0.00000000001387778780781441587676782578125
62	1062	100	0.0000000000006938893903907207938383912890625	0.000000000006938893903907207938383912890625	0.000000000006938893903907207938383912890625	0.000000000006938893903907207938383912890625
63	1063	100	0.00000000000034694469519536039691919564453125	0.0000000000034694469519536039691919564453125	0.0000000000034694469519536039691919564453125	0.0000000000034694469519536039691919564453125
64	1064	100	0.00000000000017347234759768019845959782265625	0.0000000000017347234759768019845959782265625	0.0000000000017347234759768019845959782265625	0.0000000000017347234759768019845959782265625
65	1065	100	0.000000000000086736173798840099229798911328125	0.00000000000086736173798840099229798911328125	0.00000000000086736173798840099229798911328125	0.00000000000086736173798840099229798911328125
66	1066	100	0.000000000000043368086899420049614899456640625	0.00000000000043368086899420049614899456640625	0.00000000000043368086899420049614899456640625	0.00000000000043368086899420049614899456640625
67	1067	100	0.0000000000000216840434497100248074497283203125	0.000000000000216840434497100248074497283203125	0.000000000000216840434497100248074497283203125	0.000000000000216840434497100248074497283203125
68	1068	100	0.00000000000001084202172485501240372486416015625	0.0000000000001084202172485501240372486416015625	0.0000000000001084202172485501240372486416015625	0.0000000000001084202172485501240372486416015625
69	1069	100	0.00000000000000542101086242750062018622430078125	0.000000000000542101086242750062018622430078125	0.000000000000542101086242750062018622430078125	0.000000000000542101086242750062018622430078125
70	1070	100	0.000000000000002710505431213750310093112150390625	0.0000000000002710505431213750310093112150390625	0.0000000000002710505431213750310093112150390625	0.0000000000002710505431213750310093112150390625
71	1071	100	0.00000000000000135525271560687515504545605601953125	0.000000000000135525271560687515504545605601953125	0.000000000000135525271560687515504545605601953125	0.0000000000

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE
AUTHORISED BY TRANSPORT CONTROLLER
Licence No. PKL-22-0015 2684

PUC No.

पुदूषण नियंत्रण प्रमाणपत्र क्रमांक

00085003009

Vehicle No.

वाहन पंजी क्रमांक

MR 49A 8563

Make

ब्रांड

SWARAJ

Model

मॉडल

735FE

Category

वर्ग

Others

Year

वर्ष

01/01/2005

Fuel

ईंधन

Diesel

Date

दिनांक

23/May/2019

Time

समय

11:30:55 AM

Valid up to

वैधता

23/May/2019

Rs. 100/-

Sl.No.	Flushing Cycle	Mean RPM	Min O2 (%)	Max H2 (%)	Temp
1	0644	2504	0.45%	0.35%	66
2	0755	2795	0.42%	0.45%	70
3	0544	2544	0.45%	0.35%	66
4	0765	2795	0.42%	0.45%	70
5	0544	2544	0.45%	0.35%	66
6	0755	2795	0.42%	0.45%	70



TRANSPORT CONTROLLER
 Maharashtra
 License No. PKL-22-0015

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE
 AUTHORISED BY TRANSPORT CONTROLLER
 Licence No. PKL-D-0045

2678

PUCC No.

प्रमाणपत्र संख्या

Vehicle No.

वाहन पंजी सं०

Make

ब्रेक

Model

मॉडल

Category

वर्ग

Year

वर्ष

Fuel

ईंधन

Date

दिनांक

Time

समय

Valid upto

तक

Rs. 100/-

प्रमाणित किया जाता है.

000850000115 सर्वोदन का Co

उत्सर्जन के ली वा.

1989 की नियम 115 (2)

HR 49A 73 के निर्धारित स्तर के अनुसार है।

यदि आप को कोई शिकायत है

SWARA तो कृपया Riginal Top Authority

Panchkula में सम्पर्क करें।

735FE Certified that this vehicles CO

emission level conforms to the

standards prescribed under Rule

018era 115 (2) of CM Rules, 1989.

In case of any complaint, please

write District Transport Authority

Panchkula

01/01/2007

Diesel

24/Nov/2018

10:11:23 AM

23/May/2019

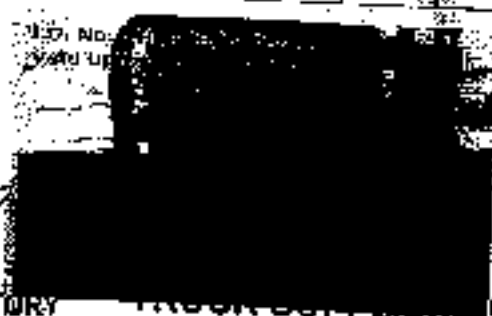
Flushing Cycle Mean RPM Min 0527 Max 1922

S.No.	RPM(Min)	RPM(Max)	CO(g/l)	HC(g/l)	Temp
1.	0644	2644	0.45%	0.42%	60
2.	0765	2795	0.42%	0.45%	70
3.	0644	2644	0.45%	0.42%	56
4.	0765	2795	0.42%	0.45%	70
5.	0644	2644	0.45%	0.42%	56
6.	0765	2795	0.42%	0.45%	70
7.					
8.					
9.					
10.					
Mean		PASS	0.42%	0.43%	



AUTHORISED SIGNATORY
 अधिकृत हस्ताक्षर कर्ता

Valid in Delhi (3 month)



TRANSPORT CORPORATION

Kalka Shimla Highway, NH-22,
 Surajpur, Distt. Panchkula
 Haryana, M. 9356451913



संख्या
S.No.

प्रमाणपत्र संख्या **2321**

PUC No. **P29600000856**

वाहन पंजी. सं.
Veh Reg No **HR01AH 0040**

ब्रेक
Make **MARUTI**

मॉडल
Model **SWIFT**

इंजन स्ट्रोक
Engine Stroke **4 WHEEL**

वर्ग
Category **4 STROKE**

उत्सर्जन
Emission **1-1-2013**

वर्ष
Year **BHARAT STAGE IV**

ईंधन
Fuel **PETROL**

दिनांक
Date **25-6-2018**

समय
Time **12:17 PM**

वैधता
Valid upto **22-12-2018**

दिल्ली सहित प्रदूषण नियंत्रित प्रमाण-पत्र

POLLUTION UNDER CONTROL CERTIFICATE

अधिकृत परिवहन उपायुक्त हरियाणा
AUTHORISED BY TRANSPORT COMMISSIONER, HARYANA

प्रमाणित किया जाता है कि
इस वाहन का CO उत्सर्जन
स्तर कं. मो.वा. नियम 1989
के नियम 115 (2) में निर्धारित
स्तर के अनुसार है।
यदि आपको कोई शिकायत
या टिप्पणी है तो कृपया प्रादेशिक
परिवहन अधिकारी को लिखें।

In case of any complaint
comments. Please send
your response to
RTA

**Delhi Valid for
3 Months**

हस्ताक्षरकर्ता
Authorised Signatory



CO	PM ₁₀	PM _{2.5}	PN ₁₀	NO _x	HC	SO _x	Other
0.3	0.010	200	nHexane	nHexane			



अधिकृत केंद्र
Authorised Centre

A.K. Pollution Checking Centre
C/o. Mahindra Fuel Junction
Samana Ballu, Karnal

एक साल की पुरानी मान्य नहीं है



POLLUTION CONTROL CHECK CERTIFICATE

AUTHORISED BY : TRANSPORT COMMISSIONER, HARYANA

HAPPY SERVICE STATION, PANCHKULA

CHANDIGARH-KALKAROAD, PANCHKULA (HARYANA) M : 9417077780, 9780647378.

PUC No

Vehicle Reg. No: 00100014081

Make DL3CAP 2177

Model HYUNDAI MOTOR

Category SANTRO

Year 4 WHEEL

Fuel 2005

Date PETROL

Time 5-11-2018

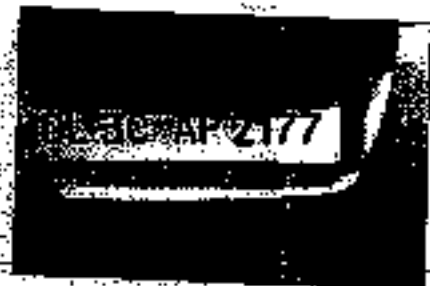
Valid upto 03:48 PM

4-5-2019

It is Certified that smoke density of this vehicle is confirming the provisions of Rule 115 (2), L.M.V. Rules, 1989



IDLINE CO BY VOLUME		
FULE		
PETROL	0.5	0.056
CNG	750	198



Pollution Four Wheeler Rs. 80/-

In case of any complaint, Secretary, Regional Transport Authority



ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE
AUTHORISED BY TRANSPORT CONTROLLER
Licence No. PKL-P-00144

8520

PUC No.

प्रमाणपत्र संख्या

P002703078

कि संदर्भित वा. Cu

Vehicle No.

संकेत पंजी सं०

HR 26BD 3466

1989 की नियम 315 (2)

Make

सेवा

Maruti

में निर्धारित स्तर के अनुसार है।

यदि आप को कोई निष्कर्षण है

तो कृपया Regional Trip Authority

Panchkula में संपर्क करें।

Model

मॉडल

Alto

Certified that this vehicle's CO

emission level conforms to the

standards prescribed under Rule

115 (2) of CM Rules, 1985.

In case of any complaint, please

contact the Regional Transport Authority

Panchkula

Category

वर्ग

4W

Year

वर्ष

01/01

2019

Local Transport Authority

Fuel

ईंधन

PETROL

Date

दिनांक

12/07/2018

Time

समय

11:48 AM

Valid upto

तक

Jan 11, 2019

VALID FOR 6 MONTHS

Valid in Delhi (3 months)

Test Gases	Prescribed Value	Measured Value
CO%	3%	0.52
HC PPM	6000	487



M/S TRUCKS SUPPLIER CORPORATION

Kalka - Shimla Road,

NH-22, Panchkula (Haryana)

Mobile : 9356451913

AUTHORISED SIGNATORY

अधिकृत हस्ताक्षर करें

Rs. 20/- for Two W-vehicles (2 months)
Rs. 100/- for Three / Four W-vehicles (6 months)