

SIX MONTHLY COMPLIANCE REPORT

(Period ending 31.03.2017)

For

DLF GARDEN CITY

**VILLAGE ISLAM NAGAR, KALKA PINJORE URBAN
COMPLEX, SECTOR-3,
PANCHKULA**

Project by:

M/s DLF Homes Panchkula Pvt. Ltd.

Office: DLF Home Developers Ltd.

**Chandigarh Technology Park, Plot No. 2, Tower-D,
Ground Floor, Chandigarh-160101**

Prepared by:



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**Ministry of Environment, Forests & 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 Puriore 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. S1/AA/HR/2015/109 dated 05.02.2015. Copy of same is attached as Annexure-I.
4.	Location	
	a) District (s)	Panchkula
	b) State (s)	Haryana
	c) Latitudes/ Longitudes	30°45'08.66"N 76°54'52.58"E
5.	Address for correspondence	M/s. DLF Homes Panchkula Pvt. Ltd. Chandigarh Technology Park, Plot No. 2, Tower-D, Ground Floor, Chandigarh.
6.	Salient features	
	a) of the project	The project involves i.e. 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 4376 KLD. The fresh water requirement will be 2917 KLD. Wastewater Generation: The total wastewater generation from the project will be 2642 KLD which will be treated in a STP of 3670 KLD capacity to be installed within project premises. Miscellaneous: The total quantity of solid waste generation will be 22410.85 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 b) Others	Not applicable Not applicable
8.	Break-up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless labourers/artisans. a) SC/ST/Adivasis 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 Not applicable
9.	Financial details: a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Estimated Project Cost. 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 Laes	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 laes	Rs.11,000 per month
5	Provision of First Aid	-	Rs.36,000 per month
6	Tree plantation and landscaping	Rs. 200 Laes	
7	Waste management	Rs. 45 Laes	
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 Laes	Rs. 10,000 per month
10	Rain water harvesting Pns and Solar Lights	Rs. 567 Laes	
11	Environmental monitoring	-	Rs.100000 per 5's 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.

Rs. 568 Crores

	f) Actual expenditure incurred on the environmental management plans so far.	Rs. 9.50 lacs in last 6 months
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 quantitative information	Not applicable
12.	Status of construction:	
	a) Date of commencement (actual and/or planned)	October, 2011 (Actual)
	b) Date of completion (actual and/or planned)	December, 2017 (Planned)
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 31.03.2017

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 Under Air and Water act. The copy has already been submitted.
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 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.
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 material must be secured so that they should not leach to the ground water.	Construction spoils including bituminous material and other hazardous materials is being stored separately and not allowed to contaminate 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-2.
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 and accepted.

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 Viatec 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 siltling 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 RWII pit.	251 Nos. of RWII pits will be constructed in due course of time.
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.

18.	The project proponent shall obtain assurance from the UHBVN for supply of 35500 KVA of power supply before start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.	Agreed. The copy of electricity bill is attached as Annexure-3 .
19.	Detail calculation of power load and climate 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 include 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 pollution during construction.	Agreed and accepted.
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 and accepted. 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 and accepted.
32.	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	Agreed and accepted. The permission has been granted for disposal of mineral from Department of Mines and Geology, Panchikula vide letter no. STP/Pk/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 refuge area till 24 meter and one till 39 meter each, as per National Building Code. The project proponent shall not convert any refuge area in the habitable space and it should not be sold out/ commercialized.	Agreed and accepted.

34.	The project proponent shall seek specific prior approval from concerned local Authority/ HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.	Agreed and accepted. The approval for ground water abstraction has been obtained from CGWA vide letter No. 21-4(461)/NWR/CGWA/2011-1516. The 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 and accepted. 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.
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 SHAA Haryana	Agreed. The storm water drainage system is being provided as per the approved layout plan.
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/ DIBVN 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 has been designed @ 135 lpcd.
45.	The project proponent shall development of Old age home as per the plan Marked "A 11/79d" 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/ DGEP Haryana	Agreed. The construction activity has been done as per specific approval from HUDA

II. Operation Phase:

Sr. 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/2821216PANC/02517288 dated 01.02.2016 which is valid upto 31.03.2026. Copy of consent to operate is attached as <u>Annexure-6</u> .
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 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	Agreed. The sewage treatment plant has already been installed at the project site

	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-2 .

- | | | |
|----|---|---|
| 7. | <p>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.</p> | <p>Agreed. The adequate area is being maintained for the landscaping and tree plantation</p> |
| 8. | <p>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</p> | <p>Agreed. Water minimization techniques are being followed to minimize the consumption of water for landscaping.</p> |
| 9. | <p>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</p> | <p>Rain water harvesting has been implemented. The drawing showing the rain water harvesting pits is attached as Annexure-7.</p> |

	<p>project proponent shall avoid Rain water Harvesting of first 15 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.</p>	
10.	<p>The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority</p>	<p>Agreed. The copy of approval for ground water abstraction from CGWA is attached as Annexure-5.</p>
11	<p>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 SEIAA, Haryana in the three month time.</p>	<p>Agreed. It will be submitted along with next six monthly report.</p>
12	<p>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</p>	<p>Photographs showing the solar panel are attached as Annexure-8.</p>
13.	<p>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.</p>	<p>Agreed.</p>
14.	<p>The solid waste generated should be properly collected and segregated as</p>	<p>Agreed. The solid waste generated is being collected & segregated and disposed off as</p>

	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 earmarked within the project area and dry/inert solid waste should be disposed off to the approved site for land filling after recovering recyclable material	MSW 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 is enclosed as Annexure-8 .
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 UCDA/local authority will provide domestic water supply system in the area	Agreed.
18.	Operation and maintenance of STP, solid waste management and electrical infrastructure, pollution control measures shall be ensured even after the completion of project.	Agreed.
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	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

	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.	
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-2 .
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 or pervious surface instead of hard surface.	Agreed.
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	Agreed. Only treated wastewater will be used for the HVAC and DG set cooling.

	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 coefficient 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.	
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	Agreed.

	roof top.	
31.	The project proponent shall ensure proper Air Ventilation and lights 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 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	Agreed.
32.	The project proponent shall install solar for energy conservation	Agreed. Photographs showing the same are attached as Annexure-8 .
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

Sr. 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 complied 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 is enclosed as Annexure-9 .
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	The environmental parameters will be monitored as per the guidelines. Environmental audit will be conducted and the details will be

	(three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.	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 1990, 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	Agreed and accepted.

10.	<p>Green Tribunal Act, 2010</p> <p>Corporate Environment and Social Responsibility (CESR) shall be laid down by the project proponent (2% shall be earmarked) as per guidelines of MoEF, Govt Office Memorandum No. J-11015/41/2009-IA II(I) dated 18.05.2012 and Ministry of Corporate Affairs, Govt 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 CESR of its own choice and shall submit the same before the start of construction.</p>	Agreed and same will be followed.
11.	<p>The fund earmarked 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, Govt under rules prescribed for Environment Audit.</p>	The funds will be maintained as per the guidelines.
12.	<p>The project proponent shall ensure the compliance of Forest Department, Haryana notification no. SO 121/PA2/1900/S.4/97 dated 28.11.1997.</p>	Agreed.
13.	<p>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.</p>	Agreed. Copy of PUC is attached as Annexure-10 .
14.	<p>The project proponent shall seek fresh Environmental Clearance if at any stage there is change in the planning of the proposed project.</p>	Agreed. In case of any change, fresh EC will be obtained.
15.	<p>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/ licenses in whose name/ names the license/ CU has been granted by the town & Country Planning Department, Haryana.</p>	Environmental safeguards/ conditions imposed in the Environmental Clearance are being complied.
16.	<p>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</p>	The status of the compliance of the stipulated Environment Clearance conditions, including results of monitored data will be uploaded on the website.

	<p>CPCB and the SPCB. The criteria pollutant levels namely: $PM_{2.5}$, PM_{10}, SO_x, NO_x, Ozone, Lead, CO, Benzene, Arsenic, 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 conventional location near the main gate of the company in the public domain.</p>	
17.	<p>The environmental statement for each financial year ending 31st 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 LC conditions and shall also be sent to the respective regional Offices of MoEF by e-mail.</p>	<p>Agreed. Form V will be submitted with the next six monthly report.</p>
18.	<p>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.</p>	<p>Agreed. It will be conducted at regular interval.</p>

MS/SEIAA/HR/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. SEIAA, 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 E.A. 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	2233615 sqm	2445018 sqm
Urban built up		(25% ESI stipulation) 0.09% landscaping	
Land Use Requirement	226 KLD	1250 KLD	1476 KLD
Water Requirement	200 KLD	167 KLD	367 KLD
Water Availability	204 KLD	109 KLD	313 KLD
Water Deficit	50 KLD	58 KLD	108 KLD
Water Shortage	100 KLD	116 KLD	216 KLD
Water Shortage	27 m ³ /day	31 m ³ /day	58 m ³ /day
Water Shortage	100000 m ³ /day	100000 m ³ /day	200000 m ³ /day
Water Shortage	100000 m ³ /day	100000 m ³ /day	200000 m ³ /day

[3]. The State Expert Appraisal Committee (SEAC) after due consideration of the proposal and comments submitted by the project proponent and additional sufficient clarifications furnished by the State Expert Appraisal Committee, has recommended the project for clearance subject to compliance 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. Provisions 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 of 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 proper bins and the dump sites for such material must be provided 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 described 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 conform to the norms shall be stored in the designated area and the ground level of the site should be maintained at the proposed level. All the activities shall be taken.
- [9] Construction activities shall conform to the prescribed standards for dust, noise and vibration. The material shall not be stored in the open area and the same should be covered with tarpaulin. The material shall be stored in the designated area and the same should be covered with tarpaulin.

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 siltng character 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 service 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 JHRC 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 in the project.
- [19] Details of all the major electrical and electronic power load of the project shall be submitted to the JHRC under intimation to S/W & P/line and before the start of construction and shall be used for 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 department 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 belt.
- [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 barbed wire 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 2.177 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] The project proponent shall obtain permission of norms from City Survey Department Hyderabad for construction of commercial construction etc.
- [33] The height of the building shall not exceed 24 meter and not less than 24 meter and not less than 24 meter and not less than 24 meter.
- [34] The project proponent shall not use any hazardous material and it should not be used.

- [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 UUDA. 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 UUDA before the start of construction.
- [37] The project proponent shall ensure that structure shall be withstand earthquake of magnitude 8.5 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 width and clearance as required under national Electricity Act and its subsidiary rules/constructions.
- [44] The project proponent shall provide water supply to 135 plots instead of 111 plots. Water supply, sewerage and other services shall be provided accordingly.
- [45] The project proponent shall be equipped with all size home as per the plan submitted to the concerned authority for all categories.
- [46] The project proponent shall have an inspection authority in the field in one month and shall submit the report of inspection to the concerned UUDA/DG/RE.

Operational Phase:

- (a) "Consent to Operate" shall be obtained from Mysore State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Sr.AA, Mysore.
- (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 Sr.AA, Mysore 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 carried out 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 shall maintain at least 95% as prescribed by the fire authority especially at the boundary of the project and shall install fire fighting equipment which can provide protection against fire hazards and shall have suitable fire escape stairs at the project structure.

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 SEZ/EA, 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 SW 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 effluent treatment system shall be as per the as specified by Haryana State Pollution Control Board through the effluent treatment plant.
- (p) The site plan and the pollution control measures for the Project Proponent should be approved by the Haryana State Pollution Control Board. The site plan should be submitted for final approval to the Haryana State Pollution Control Board in the form of an application to the Haryana State Pollution Control Board.

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 'LMP'.

(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 1, Form 1A, 1B, 1C, 1D, and other documents submitted to the SIA/CA for the protection of environment and proper environmental management is complied with in letter and spirit. The use of any media for any reason or for the benefit of any people shall be prohibited. The project proponent shall ensure that the project shall be taken as per the SIA/CA report.

(ii) The project proponent shall ensure timely reports on the status of activities as the stipulated conditions including periodic reports to the concerned departments as well as to the Director, the northern Regional Office of SIA/CA, the Central Government of India, P.O. and SIA/CA, Hyderabad.

(iii) The project proponent shall ensure that the project shall be initiated on a timely manner and the project shall be completed as per the stipulated conditions. The project proponent shall ensure that the project shall be completed as per the stipulated conditions. The project proponent shall ensure that the project shall be completed as per the stipulated conditions.

(iv) The project proponent shall ensure that the project shall be completed as per the stipulated conditions. The project proponent shall ensure that the project shall be completed as per the stipulated conditions.

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. FA, 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 Lucknow within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(xi) Corporate Environment and Social Responsibility (CSR) shall be undertaken by the project proponent (2% shall be earmarked) as per guidelines of MoEF, Govt Office Memorandum No. 7143, Dated 16/06/2010, dated 18/05/2012 and Ministry of Corporate Affairs, Govt of India, dated 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 CSR activities shall be listed in the list of the work for implementation of CSR. The CSR activities shall start from the start of construction.

(xii) The audit reports of the environment protection measures shall be kept in the project file and shall be submitted in case you were asked for the same. The CSR activities shall be as per the guidelines presented in the MoEF, Govt Office Memorandum No. 7143, Dated 16/06/2010, dated 18/05/2012 and Ministry of Corporate Affairs, Govt of India, dated 27/02/2014.

(xiii) The project proponent shall comply the stipulations of Forest Department, Jharkhand and other relevant departments as per the Forest Act, 1927, P. FA, 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/s 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, Uttarakhand

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, Uttarakhand
- 2. The Regional Office of Environment & Forests, Govt. of India, Secy, Chandigarh
- 3. The Chairman, Haridwar State Pollution Control Board


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



Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory
 ISO - 9001 : 2008, 14001:2004 OHSAS-18001:2007
 CIN : U74140PB2011PTC034739



TEST REPORT

EL-17-18/100/29/04/17		Lab No.		EL260417EC001		Page-1/1	
Customer:		DLF Garden City Village Islam Nagar, Kalka Pinjore Urban Complex, Sector-3, Panchkula By M/s DLF Homes Panchkula Pvt. Ltd.					
Work Order No. & Date:		Six Monthly Work Order					
Type of Sample:		Ambient Air					
Mode of Collection of Sample:		Sampling by Laboratory					
Date of Sampling:		26/04/17					
Sampling Location:		Near office					
Sampling Protocol:		IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.					
Date of Receipt of Sample:		26/04/17					
Period of Analysis:		26/04/17 to 28/04/17					
Date of Reporting:		28/04/17					
Testing Protocol:		IS 5182 & Lab SOP					
Environmental Condition:		Normal					
S.No	Test Parameters	Units	Results	Limit	Test Method		
1.	Particulate Matter (PM _{2.5})	µg/m ³	47.02	60	Lab SOP No.EL/SOP/AAQ/01, Issue No. & Issue Date 03 & 01.01.2016		
2.	Particulate Matter (PM ₁₀)	µg/m ³	106	100	IS: 5182 (P-23) 2004		
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.23	80	IS: 5182 (P-2) 2001		
4.	Nitrogen Oxides (as NO ₂)	µg/m ³	15.53	80	IS:5182 (P-6) 2006		
5.	Ammonia	µg/m ³	21	400	Lab SOP No. EL/SOP/AAQ/02, Issue No. & Issue Date 03 & 01.01.2016		
6.	Ozone	µg/m ³	13	180	IS: 5182 (Part-9) -1974 R2003		
7.	Carbon Monoxide (CO)	mg/m ³	<1.5	04	Lab SOP No. EL/SOP/AAQ/04, Issue No. & Issue Date 03 & 01.01.2016		

Mou GWT
 Lab Incharge

Authorized Signatory



Eco Laboratories & Consultants Pvt. Ltd.

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 ISO - 9001 : 2008, 14001:2004 OHSAS-18001:2007
 CIN : U74140PB2011PTC034739



TEST REPORT

EL-17-18/ 101/29/04/17		Lab No.	EL260417EC002	Page-1/1	
Customer:		DLF Garden City Village Islam Nagar, Kalka Pinjore Urban Complex, Sector-3, Panchkula By M/s DLF Homes Panchkula Pvt. Ltd.			
Work Order No. & Date:		Six Monthly Work Order			
Type of Sample:		Noise Levels (Ambient)			
Mode of Collection of Sample:		Sampling by Laboratory			
Date of Sampling:		26/04/17			
Sampling Location:		Average Noise Level Near Office			
Sampling Protocol:		IS: 9989:1981 R-2002 and as per customers requirements			
Date of Receipt of Sample:		26/04/17			
Period of Analysis:		26/04/17 to 27/04/17			
Date of Reporting:		27/04/17			
Testing Protocol:		IS: 9989:1981 R-2002			
Environmental Condition:		Normal			
S.No	Test	Location	Unit	Results	Test Method
1	Ambient Day Time Noise Levels 1 Hour L _{eq}	Average Noise Level Near Office	dB(A)	53.6	IS: 9989:1981 R-2002

Note: The Noise-Ambient Air Quality Standards are given for reference.

Lab Incharge

Authorized Signatory

Area Code	Category of Area	Noise: Ambient Air Quality Standards	
		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

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PTO



Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory
 ISO - 9001 : 2008, 14001:2004 OHSAS-18001:2007
 CIN : U74140PB2011PTC034739



TEST REPORT

EL-17-18/ 102/29/04/17		Lab No.	EL260417EC003		Page-1/1	
Customer:		DLF Garden City Village Islam Nagar, Kalka Pinjore Urban Complex, Sector-3, Panchkula By M/s DLF Homes Panchkula Pvt. Ltd.				
Work Order No. & Date:		Six Monthly Work Order				
Type of Sample:		Water				
Mode of Collection of Sample:		Sampling By Laboratory				
Date Of Sampling:		26/04/17				
Sampling Location:		Borewell				
Sampling Protocol:		IS: 3025-(P-1)-1987-R-1998 Amdt-1				
Packing, Marking, Seal & Quantity:		Plastic Bottle & Sterilized Glass Bottle Marked '26/W/01' 2litre + 250ml				
Date of Receipt of Sample:		26/04/17				
Period of Analysis:		26/04/17 to 29/04/17				
Date of Reporting:		29/04/17				
Testing Protocol:		IS: 10500-2012				
Sample Observation:		Clear colorless liquid				
S.No	Test Parameters	Units	Results	Requirements		Test Method
				Acceptable Limits	Permissible limit In Absence of Alternate Source	
1.	Colour	Hazen units	<5	5	15	APHA-22nd Ed 2012-2120 B Visual Comparison (Pt Cobalt) Method
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS3025 (P-5)1983 RA 1996
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-7/8)1984 RA 1996
4.	Turbidity	NTU	0.1	1	5	APHA-22 nd Ed 2012- 2130B Nephelometric Method
5.	pH	-	7.29	6.5 - 8.5	No relaxation	APHA-22 nd Ed 2012- 4500 B
6.	Hardness (asCaCO ₃)	mg/l	261	200	600	APHA-22 nd Ed 2012-2140C EDTA Method
7.	Iron (as Fe)	mg/l	0.07	0.3	No relaxation	APHA-22 nd Ed 2012-3500 Fe- B Phenanthroline Method
8.	Chlorides (as Cl)	mg/l	22	250	1000	APHA-22 nd Ed 2012- 4500 B Argentometric Method
9.	Coliforms	MPN/100ml	2	Absent	--	IS: 1622-1981 RA 2003- 3.3.1 Multiple tube Dilution Tube
10.	E.Coli/100ml	MPN/100ml	<2*	Absent	--	IS: 1622-1981 RA 2003- 3.3.1/3.3.4 Multiple tube Dilution Tube

Remarks- *<2 is minimum detection limit as per IS 1622 method and is equal to Absent.

Lab Incharge

Authorized Signatory

35

PTO



Eco Laboratories & Consultants Pvt. Ltd.

NABL / MOEF / PPCB / HSPCB / BIS approved Laboratory

ISO - 9001 : 2008, 14001:2004 OHSAS-18001:2007

CIN : U74140PB2011PTC034739



TEST REPORT

EL-17-18/103/29/04/17		Lab No.	EL260417EC004		Page-1/1
Customer:		DLF Garden City Village Islam Nagar, Kalka Pinjore Urban Complex, Sector-3, Panchkula By M/s DLF Homes Panchkula Pvt. Ltd.			
Work Order No. & Date:		Six Monthly Work Order			
Type of Sample:		Soil			
Mode of Collection of Sample:		Sampling by Laboratory			
Packing, Markings, Seal & Identity:		Poly bag			
Quantity:		1kg			
Date of Sampling:		26/04/17			
Sampling Location:		From Park			
Date of Receipt of Sample:		26/04/17			
Period of Analysis:		26/04/19 to 29/04/17			
Date of Reporting:		29/04/17			
S.No	Test Parameters	Units	Results	Test Method	
1.	pH	-	8.21	CI-2, IS:2720 (P-26) 1987	
2.	Conductivity	mmhos/cm	0.382	IS:14767:2000	
3.	Moisture Content	%	9.8	Sec-1, IS:2720 (P-II) 1973 R 2002	
4.	Texture	-	Clay Loam	CI-2, IS: 2720 (Part-4) 1985	
5.	Bulk Density	gm/cc	1.28	IS:2720 (Part-III): 1980	
6.	Organic Matter	%	0.62	Sec-1, IS:2720 (Part-22) 1972 R 2010	

Lab Incharge



36

PTO

Annexure-4

Memo No. STP/PKV 206

Dated 15/5/17

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

STP No. 277

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 (Excavation, Stocking & 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 Vill. 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(2007)/NW/CWA/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 & Kanchuagar, Block Pajore, Tehsil Kalla, 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/soil 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/214(2007)/1595 dated 20.1.2011.
3. TS to Chairman, Central Ground Water Board, NH-19, Faridabad.

Scientist 'D'
for Member Secretary



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

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

Annexure - 6

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 Officer, 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 :

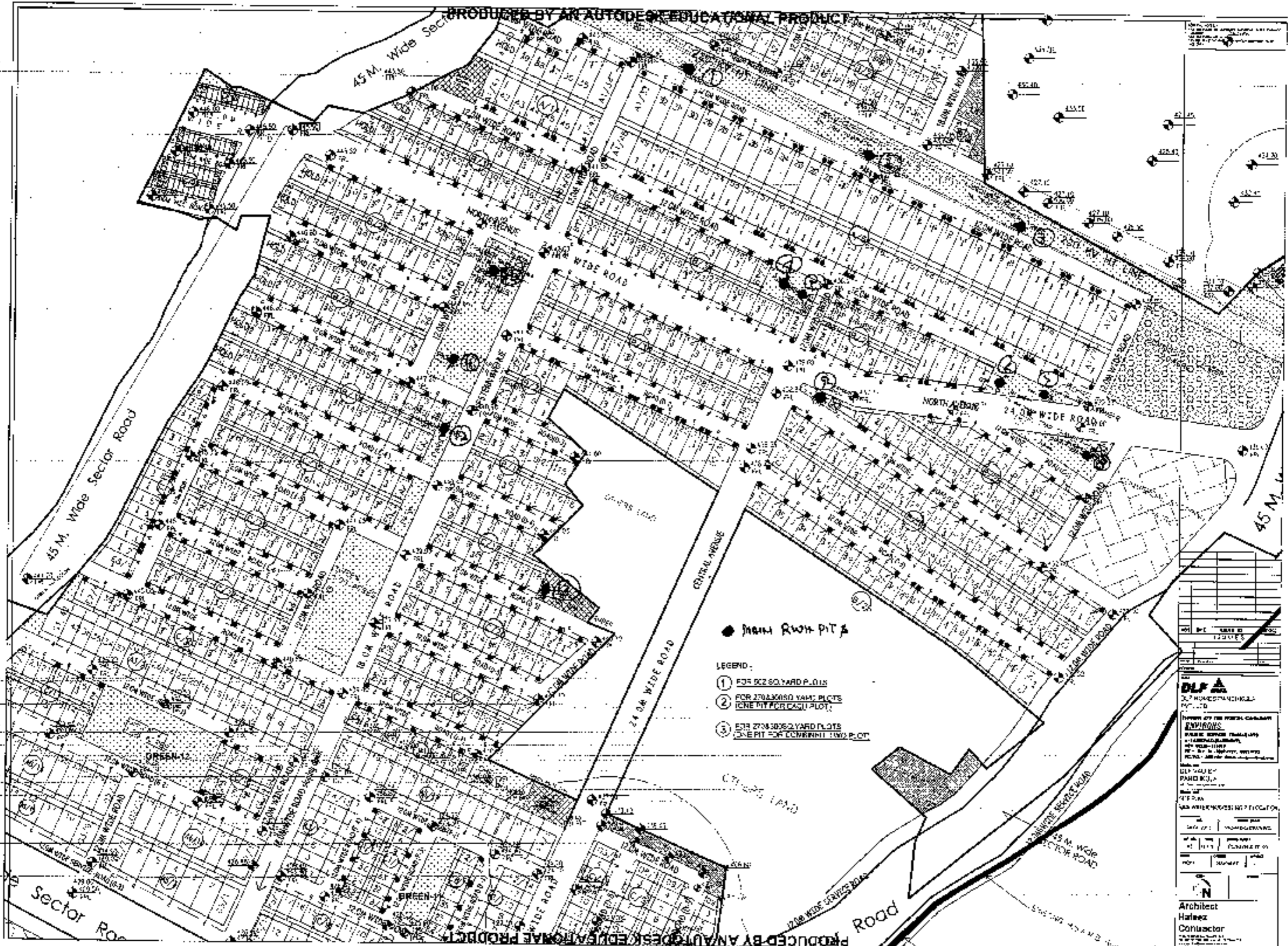
1. 1. Unit will operate & maintain their STP efficiently & regularly. 2. Unit will keep the parameters within limit. 3. Unit will comply with the conditions of the Environmental clearance and submit six monthly report to board.

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

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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● MAIN RWX PIT #

LEGEND:

- ① FOR 602 60 YARD PLOTS
- ② FOR 270 & 300 YARD PLOTS
(ONE FOR EACH PLOT)
- ③ FOR 270 & 300 YARD PLOTS
(ONE FOR CONCRETE 100% PLOT)

Scale: 1" = 100'

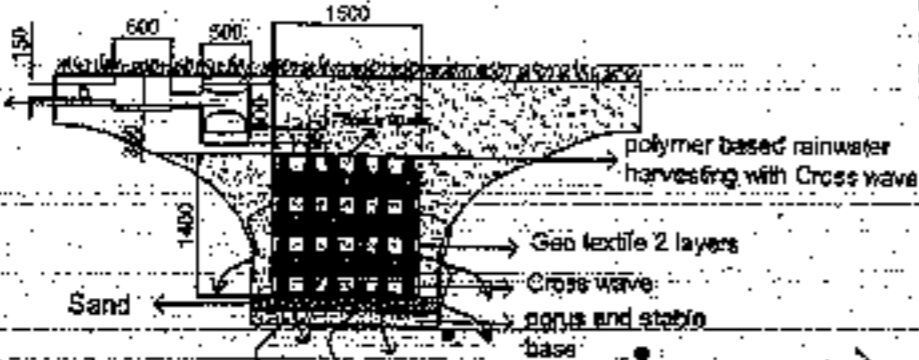
DLP
 2,7 HONGKONG ROAD
 HONG KONG

DESIGNED BY THE ARCHITECT
 ENGINEER
 ARCHITECT
 HONG KONG

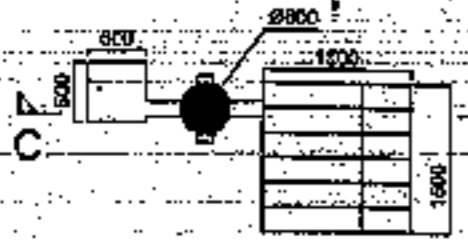
DATE: 1971
 DRAWING NO.: 100/100

Architect
 HONG KONG
 Contractor
 HONG KONG

FRP filter with stainless steel 304 grade strainer and fiber pad



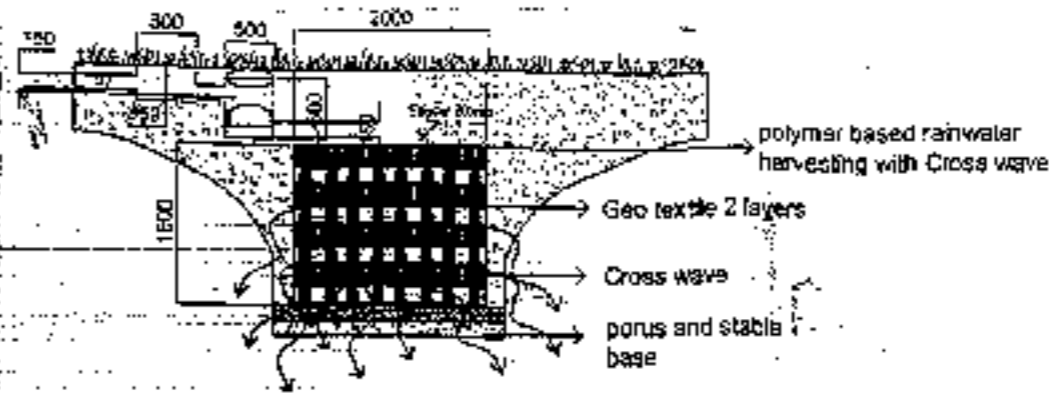
Section at CC'



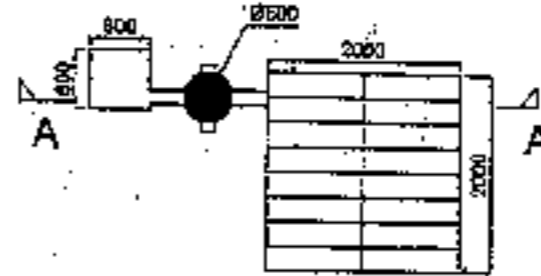
Plan

② RECHARGE WELL (1.5x1.4m)
FOR 270&300SQ YARD PLOTS
(ONE PIT FOR EACH PLOT)

FRP filter with stainless steel 304 grade strainer and fiber pad



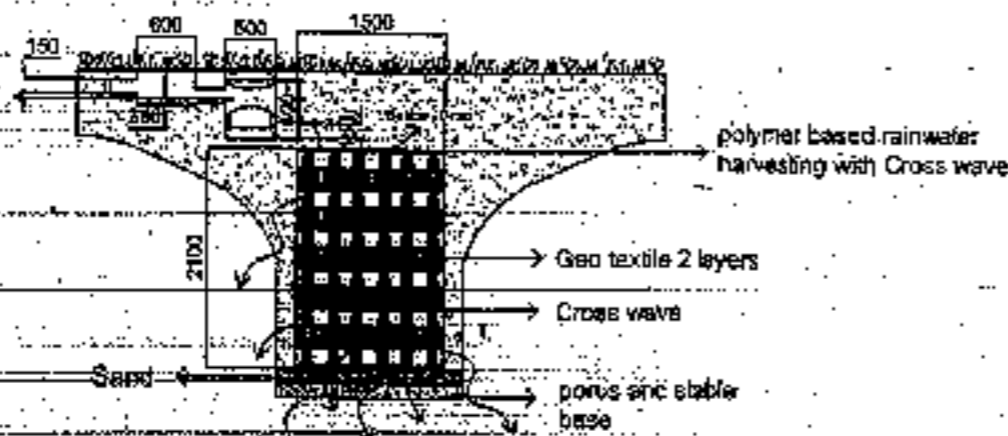
Section at AA'



Plan

③ RECHARGE WELL (2.0x1.6m)
FOR 270&300SQ YARD PLOTS
(EQUIVALENT ONE PIT FOR TWO PLOT)

FRP filter with stainless steel 304 grade strainer and fiber pad



Section at BB'



Plan

① RECHARGE WELL (1.5x2.1m)
FOR 502 SQ YARD PLOTS

DLE ENGINEERING LTD. DESIGN	GOOD FOR CONSTRUCTION	OTHERS
	3/03/2014	
<p>DLE ENGINEERING LTD. D/4, WING B, PANDURGA PUNE - 411 004</p> <p>ARCHITECT</p> <p>DESIGNER</p> <p>CHECKED BY</p> <p>APPROVED BY</p> <p>DATE</p> <p>SCALE</p> <p>PROJECT NAME</p> <p>PROJECT NO.</p> <p>CLIENT NAME</p> <p>CLIENT ADDRESS</p> <p>PROJECT LOCATION</p> <p>PROJECT AREA</p> <p>PROJECT PERIOD</p> <p>PROJECT STATUS</p>		

250mm RCC PIPE
INVERT LEVEL AS/SITE

560mm CUTOUT FOR
MANHOLE

MANHOLE

250mm RCC PIPE
SLOPE AS/CONNECTION
3 Nos. 300x300mm CUTOUT
BAFFLE WALL THICKNESS
AS PER STRUCTURE

OIL PIT

PLAN RAIN WATER HARVESTING WELL

RECHARGE PIT

180MM OD
SLOTTED UPVC PIPE

560mm D.A. SFRC MANHOLE
COVER AND FRAME (TYP.)
PVC ENCAPSULATED
FOOT REST @300C/C

DLF INDIA LTD.
DESIGN & COORDINATION
CLEAR

DATE
21/02/13
BY ELECT HYD STRUCT

352
25/2/13

GENERAL NOTE:-
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

NO	REV	DATE	BY	CHKD	ISSUES

DLF
DLF HOMES PANCHKULA
PVT. LTD.

DESIGNED AND FOR REVIEW APPROVED
ENVIRONS
DESIGNED BY: HAFEEZ CONTRACTORS
A-11, INDUSTRIAL AREA, PHASE-III
NEW DELHI-110028
PH: 011-26100000, 26100001
WWW.ENVIRONS.COM

ENVIRONS
Approved For Construction
Date: 20/2/13 Sign: [Signature]

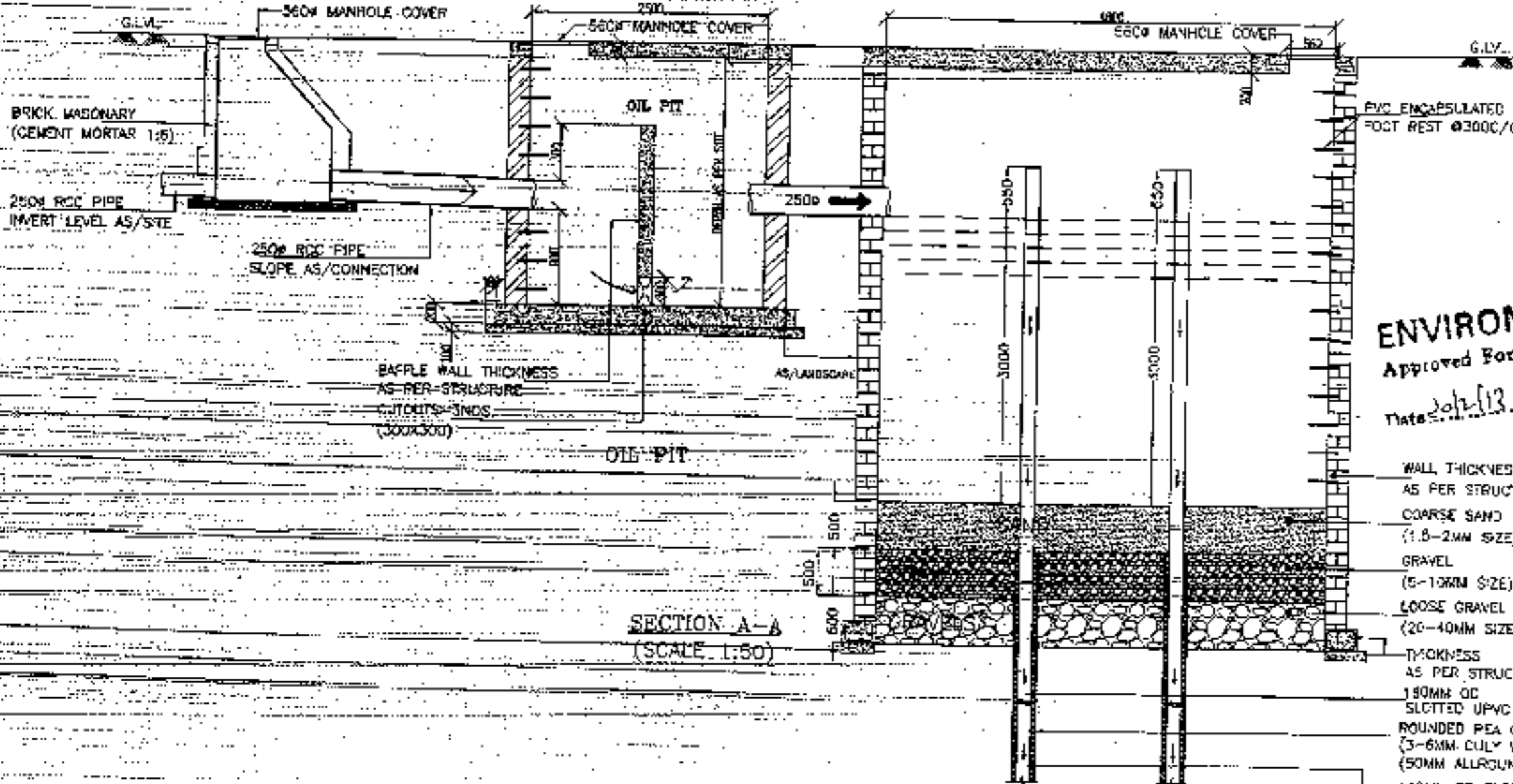
PROJECT NO.
DLF VALLEY
PANCHKULA
INDUSTRIAL AREA

SCALE: 1:50
TYPICAL DETAIL
FOR RAIN WATER HARVESTING

NO. OF SHEETS: 01
OF: 01
DATE: 21/02/13
BY: HAFEEZ
CHKD: HAFEEZ

ARCHITECT
HAFEEZ CONTRACTORS

Architect
Hafeez
Contractor



SECTION A-A
(SCALE 1:50)

TYPICAL DETAIL OF RAIN WATER HARVESTING WELL

WALL THICKNESS
AS PER STRUCTURE

COARSE SAND
(1.5-2MM SIZE)

GRAVEL
(5-10MM SIZE)

LOOSE GRAVEL
(20-40MM SIZE)

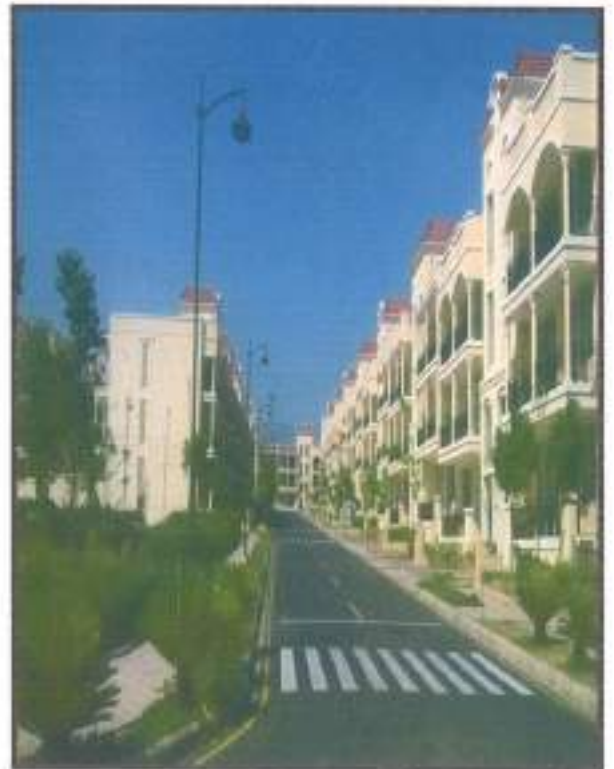
THICKNESS
AS PER STRUCTURE

180MM OD
SLOTTED UPVC PIPE

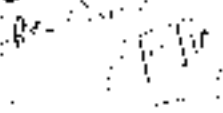
ROUNDED PEA GRAVELS
(3-6MM CULY WASHED)
(50MM ALLROUND THE PIPE)

180MM OD SLOTTED PIPE
TO BE LEFT UPTO 27M FROM
TOP OF PIPE (TYPICAL)

PHOTOGRAPHS



DLF HOMES PANCHKULA PRIVATE LIMITED



NO. 190/29 Section 8 (Company)

Date 13/12/2016

To
✓
Ministry of Environment & Forests Region, Office (North)
Government of India
Ro. No. 11/25 Sector 11A
Chandigarh

Subject: Six Monthly Report Submission for the project namely " DLF Garden City" at Bhagwanpur, Panchkula, Distt-Panchkula

Sir,

We are hereby submitting six monthly report for period ending 30/09/2016 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 PDF is also enclosed along

Thanking you,

Sincerely,

M/s DLF Homes Panchkula Pvt. Ltd.

(Authorized Signatory)

Mr Manpreet Wahi
9988061070
wahi-manpreet@dlf.in

To: Member Secretary, SCLYA Haryana, Gov Haryana Pollution Control Board, Paryat Bhawan, Sector 17, Panchkula Haryana

ALL-INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

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

पुणे जिल्हा ?

PUCO No.

D400280103244

पुणे नगर

पुणे नगर

Vehiclc No.

HR02B 6176

पुणे नगर

पुणे नगर

Make

SWARAJ

पुणे नगर

Model

735

पुणे नगर

Category

Others

पुणे नगर

Year

01/01/2009

पुणे नगर

Fuel

Diesel

पुणे नगर

Date

27/May/2017

पुणे नगर

Time

03:25:46 PM

पुणे नगर

Valid upto
 26/Nov/2017
 VALID FOR 6 MONTH
 Validity Delhi (6 months) **RS 100/-**

Sl.No.	RPM(Min)	RPM(Max)	# test	%SD%	Temp
1.	0365	3254	0.51#	45.8%	66
2.	0532	4544	0.35#	35.4%	70
3.	0365	3254	0.51#	45.0%	66
4.	0337	2944	0.354	35.4%	70
5	0365	3254	0.51#	45.8%	66
6.	0532	4544	0.35#	35.4%	70
7.					
8.					
9.					
10					
Mean		PASS	0.45#	42.4%	



EMERGENCY

REKHA SINGH
 NH-12, PUNE (M) (Haryana)
 98100 98100

AUTHORIZED SIGNATORY
 अधीन हस्ताक्षर

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

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

प्राप्ति संख्या: १००२००११११००

Vehicle No. १००२००११११००

Make Model SWARAJ 735

Category Others Year 01/01/2007

Fuel Diesel Date 27/May/2017

Time 02:34:04 PM

Valid upto 26/Nov/2017

VALID FOR 6 MONTHS
www.ecdcl.in (Swaraj)

Flushing Cycle Mean RPM Min 1273 Max 6598

S.No.	RPM(45s)	RPM(MAN)	Km-1	MSU%	Temp
1.	0365	3254	0.51#	42.6%	66
2.	0532	2544	0.35#	41.2%	70
3.	0365	3254	0.51#	42.6%	66
4.	0532	2544	0.35#	41.4%	70
5.	0365	3254	0.51#	42.5%	66
6.	0532	2544	0.35#	41.0%	70
7.					
8.					
9.					
10.					
Mean		FAVS	0.45#	43.2%	



PKL-D-0045
Nalka Pollution Dept
M-22, Pandhara (Kalyana)
Mobile: 9866151913

AUTOMATIC STATION
संयंत्रण प्रमाणपत्र

८६

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

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

स्वयंसेवा केंद्र १

पुणे महानगरपालिका
अवकाश क्षेत्र, पुणे

PUC No.

पुणे ११११११११

Vehicle No

HR 49A 8843

Make

SWARAJ

Model

739

Category

Other

Year

01/01/2008

Fuel

Diesel

Date

27/May/2017

Time

02:31:16 PM

Valid Upto

26/Nov/2017



Flushing Cycle Maps RPM Min 1223 Max 6596

S.No.	RPM(Min)	RPM(Max)	g m-1	HSI%	Temp
1.	0365	3254	0.514	42.6%	65
2.	0532	2522	0.359	41.4%	70
3.	0365	3254	0.514	42.6%	66
4.	0532	2504	0.357	41.4%	70
5.	0365	3254	0.514	42.6%	66
6.	0532	2514	0.357	41.4%	70
7.					
8.					
9.					
10.					
Mean		PMSS	0.456	43.4%	



KEIKE SHIMAZU & CO.
NIT-22, Panvel, Maharashtra.
Molore: 985057919

पुणे महानगरपालिका
अवकाश क्षेत्र, पुणे

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

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

PUC No.
प्रमाणपत्र संख्या

000230515-0055 संख्या का CO

Vehicle No.
वाहन संख्या

HR49A 7346
वाहन की संख्या (2)
के अंतर्गत वाहन के लक्षण हैं

Make
ब्रांड

SWARAJ
रेजियनल ट्रांसपोर्ट
अथवा Regional Tpt. Authority
परिचालित वाहन का ब्रांड है

Model
मॉडल

Z33
Certified for this vehicles CO
emission test conform to the
standards prescribed in the Rule
115 (2) of CM Rules, 1989
in case of any complaint, please
write District, Transport Authority
Punjab

Category
वर्ग

Others

Year
वर्ष

01/05/2007

Fuel
ईंधन

Diesel

Date
दिनांक

27/May/2017

Time
समय

05:32-46 PM

Valid upto
वैधता तक

26/Nov/2017

VALID FOR 6 MONTH
वाहन के लिए 6 महीने के लिए वैधता
Rs. 100/-

Polluting Cycle Mean RPM Min 1279 Max 6999

S.No.	RPM(Min)	RPM(Max)	K m-1	MG% Tare
1.	0532	2544	0.35#	43.4%
2.	0355	3254	0.51#	44.5%
3.	0532	2544	0.35#	43.4%
4.	0365	3254	0.51#	44.6%
5.	0532	2544	0.35#	43.4%
6.	0365	3254	0.51#	44.6%
7.				
8.				
9.				
10.				
Mean		PASS	0.45#	42.4%



DRP PUNJAB

Kalka-Shimla Road,
NH-22, Panonkula (Farvahan),
Mobile : 9850451913

AUTHORISED LABORATORY

अनुमोदित प्रयोगशाला कर्ता

ALL INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

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

PUGC No.

प्राणपत्र संख्या

Vehicle No.

वाहन पंजी सं.

Make

ब्रेक

Model

मॉडल

Category

वर्ग

Year

सं.

Fuel

ईंधन

Date

दिनांक

Time

समय

जारी के जा. सं.

00022011866

पंजी सं. CO

उत्प्रे. सं. 00. 00

REGD. ए. डी. सं.

MASSP 7500

सं. निगमिता. ए. डी. सं. 0000 00

सं. सं. सं. सं. सं. सं. सं. सं.

पं. सं. Regional P.C. Authority

Panchkula सं. सं. सं. सं.

Certified that the vehicle's CO

emissions are compliant to the

standards prescribed under Rule

115 of CM Rules, 1989.

In case of any complaint, please

write District Transport Authority,

Panchkula

Revving Cycle Mean RPM Min 1055 Max 5469

S.No.	RPM(Min)	RPM(Max)	K.m-h	VELU%	Temp
1.	0532	2544	0.357	23.4%	70
2.	0365	3254	0.517	32.5%	66
3.	0532	2544	0.357	23.4%	70
4.	0365	3254	0.517	32.5%	66
5.	0532	2544	0.357	23.4%	70
6.	0365	3254	0.517	32.5%	66
7.					
8.					
9.					
10.					
Mean		PASS	0.457	32.4%	



PANCHKULA

AUTHORISED SIGNATORY

अधिकृत हस्ताक्षर कर्ता

Kalku Shimla Road

NH-22, Panchkula (Haryana)

Mobile : 9350451813

Valid upto 26/Nov/2017

वैधता

VALID FOR 5 MONTHS Rs. 100/-

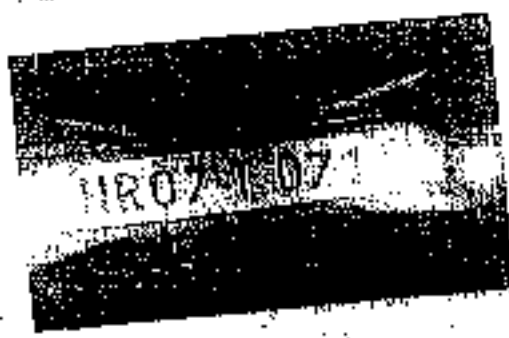
Valid in Distt (3 month)

REGISTRATION CERTIFICATE

Vehicle No
 Make
 Model
 Category
 Year
 Fuel
 Date
 Time
 Valid until

00C2300R298
 MR 07T-0711
 TACA
 SAFARI
 Car
 01/01/2011
 Diesel
 16/Mar/2017
 07:10:55 PM
 14/Sep/2017

Trashing Cycle No.	Max RPM	Min RPM	Max MSQ	Min MSQ	Temp
1.	0538	2544	0.350	35.4%	70
2.	0261	3254	0.314	29.6%	65
3.	0032	2544	0.354	35.4%	66
4.	0305	3254	0.314	29.6%	70
5.	0522	2544	0.354	35.4%	65
6.	0305	3254	0.314	29.6%	
7.					
8.					
9.					
10.					
Mean			PASS	0.45%	11.4%



VALID UNTIL 14/SEP/2017
 VALID UNTIL 14/SEP/2017

A.I. INDIA VALID

प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE
AUTHORISED BY TRANSPORT CONTROLLER
Licence No. PKL-P-0044

PUGC No.
प्रदूषण संख्या

संस्था का नाम है
PU027018547 Co
अधिकारी का नाम

Vehicle No
वाहन संख्या

HR01AH0040 HS (2)
वे डिपॉजिट कर के अनुसार है।

Make
ब्रेक

Maruti है। यह जो ब्रेक सिस्टम है
को द्वारा Regional Tgl. Authority
Panchkula में स्थापित है।

Model
मॉडल

Swift Certified that this vehicles CO
emission level conforms to the
standards prescribed under Rule

Category
वर्ग

4W 115 (2) of CM Rules, 1981
In case of any complaint, please
contact District Transport Authority,
Panchkula

Year
वर्ष

01/01/2013

Fuel
ईंधन

PETROL

Date
दिनांक

27/05/2017

Time
समय

02:28 PM

Test Gases	Prescribed Value	Measured Value
CO %		3% 0.23
HC PPM		6000 959

अधिकारी का नाम



Valid upto
वैधता
Nov 26, 2017

VALID FOR 6 MONTH
Valid in Delhi (3 months)

AUTHORIZED SIGNATORY
अधिकृत हस्ताक्षरकर्ता
के.डी.ए. टू व्हील्स (6 महीने)
एच.डी.ए. थ्री व्हील्स (3 महीने)

M/s. INDEKS SUPPLIES CORPORATION
Kalka - Shimla Road,
No-22, Panchkula (Haryana)
Mobile - 9356451913



DP/SEL

**प्रदूषण नियंत्रित प्रमाणपत्र
Pollution Under Control Certificate**

परिवहन विभाग दिल्ली सरकार

D103002013

TRANSPORT DEPARTMENT, GOVT. OF NCT OF DELHI

संख्या
S. No. **DL13CA2894**

युक्त त्वरण विधि द्वारा निर्धारित धूम धनत्व सीमा 65% MSU

प्रमाणपत्र संख्या
PUCC No. MUL **MARUTI UDYOG**

Prescribed Smoke Density 1.007AT Area Accreditation

DL

वाहन प्रतीकरण संख्या
Vehicle Reg. No. V. (CAR)

प्रमाणित किया जाता है कि	मान	Temp
इस वाहन का धूम धनत्व	1.492	19
मोटर वाहन नियम 1989 के नियम 115 (2) (ग) में निर्धारित स्तर के अनुसार है।	1.492	19
	Mean	19.9

ब्रेक

Make **4w**

मॉडल

Model **05/2011**

श्रेणी

Category **DIESEL**

वर्ष

Year **29-01-2017**

ईंधन

Fuel **12:47:35 PM**

दिनांक

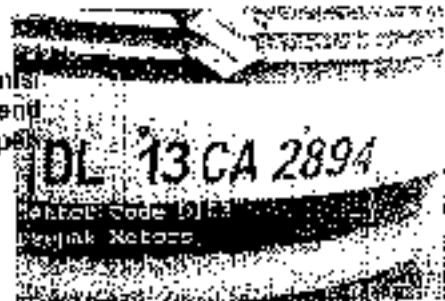
Date

समय

Time **28-01-2018**

वैधता
Valid upto

यदि आपको कोई शिकायत
या टिप्पणी है तो कृपया
भेद दिये प्रारूप के अनुसार



अधिकृत हस्ताक्षर

Authorised Signatory

नाम

Name

**BHUPESH
KUMAR**

अधिकृत कोड कोड
Authorised Centre Code

D103

**DEEPAK MOTORS, I.O.C. Filling Cum Service Station
Road No. 56, (Surya Nagar)
Opp. Vivek Vihar, New Delhi-110095**

Prescribed Pollution Checking Charge : Diesel Rs.100/- + 15% Service Tax Rs. 115/-

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