

# DLF HOMES PANCHKULA PRIVATE LIMITED

SCO - 190 -192, Sector 8 - C, Chandigarh

Dated: 04.06.2015

To

Director (S)

Ministry of Environment, Forests and Climate Change,  
Regional Office (North)  
Government of India  
Bay No. 24-25, Sector-31A  
Chandigarh  
Kind Atten: Dr. Surendra Kumar

**Subject:** Submission of six monthly compliance report for period ending 31.03.2015 for "DLF Garden City" at Bhagwanpur, Pinjore, Distt- Panchkula, Haryana.

Sir,


We are hereby submitting six monthly report ending 31.03.2015 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 and noise levels are also submitted. The soft copy of complete report in CD also enclosed along.

Thanking you

Sincerely

For M/s DLF Homes Panchkula Pvt. Ltd.

  
(Authorized Signatory)

CC to: Member Secretary, SEIAA Haryana

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# **SIX MONTHLY COMPLIANCE REPORT**

**(Period ending 31.03.2015)**

**For**

**DLF GARDEN CITY  
Bhagwanpur, Pinjore  
DISTT: PANCHKULA (HARYANA)**

**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**

**Prepared by:**



**Eco Laboratories and Consultants Private Limited**  
E-207, Industrial Area, Phase-VIIIB (Sector-74), S.A.S Nagar (Mohali) Punjab  
[ems@ecoparyavaran.org](mailto:ems@ecoparyavaran.org), [www.ecoparyavaran.org](http://www.ecoparyavaran.org)  
Phone: 0172-4616225, 8872043178

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

**DATA SHEET**

1.	<b>Project Type</b>	Integrated Township Construction Project
2.	<b>Name of the Project</b>	DLF Garden City, Bhagwanpur, Pinjore, Distt. Panchkula, Haryana Project By: M/s DLF Homes Panchkula Pvt. Ltd
3.	Clearance letter (s)/O.M No. & dates	21/08/2007-IA.III dated 12 <sup>th</sup> November, 2008. Copy has already been submitted to Regional Office (North), MoEF.
4.	Location	
	a) District (s)	Panchkula
	b) State (s)	Haryana
	c) Latitudes/ Longitudes	30 <sup>o</sup> 45'08.66"N 76 <sup>o</sup> 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.	<b>Salient features</b>	
	<b>a) of the project</b>	The project will comprise the construction of multistoried residential building plus Crèche, Nursery, Primary School, High School, dispensary, Club Community Centre, Sub Post office and religious buildings. The total plot area is 809665.2 sqm and total built up area will be 881517.73 sqm. The parking space proposed for parking of car is 6507.ECS. The total design population 25526.
	<b>b) of the environmental management plans</b>	The total water requirement will be 6241 KLD. The total wastewater generation from the project will be 4143 KLD which will be treated in a STP of 4200 KLD capacity to be installed within project premises. The treated wastewater will be used for AC & DG cooling, horticulture purposes and unused wastewater will be discharged in public sewer. The total quantity of solid waste generation will be 9953 kg/day, which will be segregated into organic and inorganic waste. The recyclable solid waste will be handed over to authorized vendor for recovery and recyclable material and organic biodegradable waste will be sent to solid waste converter for conversion into manure.
7.	<b>Break-up of the project area</b>	
	a) Submergence area: Forest and Non-forest	Not applicable
	b) Others	Not applicable

8.	Break-up of project affected population with enumeration of those losing houses/dwelling units only, agricultural land only both dwelling units and agricultural land and landless labourers/artisans.	Not applicable																
	a) SC/ST/Adivasis	Not applicable																
	b) Others (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)	Not applicable																
9.	<b>Financial details:</b>																	
	a) Project cost as originally planned and subsequent revised estimates and the year of price reference.	Total cost: Rs. 594 Crore																
	b) Allocations made for environmental management plans with item wise and year wise break up.	<p>b) Expenditure on typical Environmental Measures:</p> <table border="1" data-bbox="703 1525 1433 1937"> <thead> <tr> <th data-bbox="703 1525 1166 1599">Details</th> <th data-bbox="1166 1525 1433 1599">Capital Rs. Lac</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 1599 1166 1644">Sewage Treatment Plant</td> <td data-bbox="1166 1599 1433 1644">290</td> </tr> <tr> <td data-bbox="703 1644 1166 1688">Fire Fighting</td> <td data-bbox="1166 1644 1433 1688">125</td> </tr> <tr> <td data-bbox="703 1688 1166 1733">Landscaping &amp; Tree Plantation</td> <td data-bbox="1166 1688 1433 1733">200</td> </tr> <tr> <td data-bbox="703 1733 1166 1778">Rain Water Harvesting:</td> <td data-bbox="1166 1733 1433 1778">300</td> </tr> <tr> <td data-bbox="703 1778 1166 1823">Solid Waste Management:</td> <td data-bbox="1166 1778 1433 1823">57</td> </tr> <tr> <td data-bbox="703 1823 1166 1868">Gen sets with acoustic enclosure</td> <td data-bbox="1166 1823 1433 1868">375</td> </tr> <tr> <td data-bbox="703 1868 1166 1937"><b>TOTAL:</b></td> <td data-bbox="1166 1868 1433 1937"><b>1374 Lacs</b></td> </tr> </tbody> </table>	Details	Capital Rs. Lac	Sewage Treatment Plant	290	Fire Fighting	125	Landscaping & Tree Plantation	200	Rain Water Harvesting:	300	Solid Waste Management:	57	Gen sets with acoustic enclosure	375	<b>TOTAL:</b>	<b>1374 Lacs</b>
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Gen sets with acoustic enclosure	375																	
<b>TOTAL:</b>	<b>1374 Lacs</b>																	

	c) Benefit cost ratio/internal rate of return and the year of assessment	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. 406 Crores (Up to April 2015)
	f) Actual expenditure incurred on the environmental management plans so far.	Rs. 15 Laes (In last six months)
10.	<b>Forest land requirement:</b>	
	a) the status of approval for diversion of forest land for non-forestry use	Not Applicable.
	b) the status of clear felling, if any	Not Applicable.
	c) the status of compensatory afforestation, if any.	Not Applicable.
	d) Comments on the viability & sustainability of compensatory Afforestation programme in the light of actual field experience so far.	Not Applicable.
11.	The status of clear felling in non forest areas (such as submergence area of reservoir, approach road) if any, with	Not applicable

	<b>quantitative information</b>	
12.	<b>Status of construction:</b>	
	<b>a) Date of commencement (actual and/or planned)</b>	October, 2011 ( Actual )
	<b>b) Date of completion (actual and/or planned)</b>	February 2016 (Proposed)
13.	<b>Reasons for the delay, if the project is yet to start</b>	Not applicable



## Compliance report on conditions imposed in Environmental Clearance for Period ending 31.03.2015

### Part A - Specific conditions

#### I. Construction Phase

S.No.	EC Conditions	Compliance Status
1	Vehicles hired for bringing construction materials to the site and other machinery to be used during construction should be in good condition and should conform to applicable air and noise emission standards.	The vehicles hired for bringing construction material are well maintained. The copy of PUC check certificates is attached at <b>Annexure-1</b> .
2	All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site in the project.	Topsoil excavated is used for landscaping and horticulture.
3	Ready mixed concrete shall be used in building construction as far as possible.	At site, Ready Mix Concrete (RMC) is used for civil construction purposes.
4	Water demand during construction should be reduced by use of pre mixed concrete, curing agents and other best practices referred.	Measures are taken to reduce the water demand during construction.
5	Permission to draw and use ground water for construction work shall be obtained from competent authority prior to construction/operation of project.	Approval of CGWA has already been submitted.
6	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensors based control.	Fixtures for showers, toilet flushing and drinking are being installed. Details will be submitted in the due course of time.
7	Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	The limited use of glass is being done in making houses. Normal windows are provided for appropriate light in day time.

8	Roof should meet the perspective requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.	Agreed, The section plan of roof design has already been submitted.
9	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 aspiration for non air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	Adequate thickness has been provided for appropriate insulation. The details have already been submitted.
10	Storm water control and its use should be as per Central Ground Water Board and BIS Standards for various applications.	Details of storm water control has already been submitted.
11	All required sanitary and hygienic measures including portable toilets/ septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.	Hutments with proper facilities are provided to labors. The sanitary measures are followed inside the premises. Proper toilets along with septic tanks are provided. The safe drinking water facilities are available.
12	Soil and Ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching heavy metals and other toxic contaminants.	There is no provision left for leaching of heavy metals and other toxic contaminants in to the ground water. Test reports are attached at <b>Annexure-3</b> .
13	A first aid room will be provided at the project site both during construction and operation of the project.	First Aid room has been provided at the site.
14	Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of waste water and solid wastes generated using the construction phase should be ensured.	There is adequate drinking water supply to the workers at construction site.

15	Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.	There is no provision for basement in the proposed housing structures. Soil is excavated only for routine foundations and backfilled.
16	Diesel power generating sets used during construction phase should be of "enclosed type" to prevent noise and should conform to rules made under Environment (Protection) act 1986, prescribed for air and noise emission standards.	5 DG sets (125 KVA), 2 DG sets (82.5 KVA), 3 DG sets (62 KVA) and 1 DG set (45 KVA) with proper acoustic enclosure have been provided at site. Photographs are enclosed at <b>Annexure-2</b> .
17	Ambient noise levels should conform to standards both during day and night when measured at boundary wall of the premises. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.	Ambient noise levels conform to standards. Test reports are attached at <b>Annexure-3</b> .
18	The construction agencies shall use fly ash based material products as per the provisions of fly ash notification of 14.9.1999 and as amended on 27.8.2003.	Fly ash based material (PPE) is used in the construction.
19	Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.	PUC check certificate is attached at <b>Annexure-1</b> .
20	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.	Agreed. There are no hazardous materials recorded in the residential project. However, the various materials are stored in properly earmarked place to prevent any pollution.
21	Any hazardous waste generated during construction phase should be disposed of as per applicable rules & norms with necessary approvals of the State Pollution Control Board.	Spent Oil from DG sets will be stored and disposed as per norms of Haryana State Pollution Control Board /Central Pollution Control Board i.e. will be stored under lock & Key & given to authorized recycler.

22	Under provision of Environmental (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project had started without obtaining environmental clearance.	Project has been granted environment clearance vide letter no 21/08/2007-IA.III dated 12th November 2008 and construction was started after it.
23	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.	The diesel is stored for usage in DG set only and no bulk storage is there.
24	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 are made by approved structural consultant Vintec Consultants N Delhi engaged by us and duly approved by town and planning department, Haryana and taking into consideration that buildings are in Zone-IV w.r.t earthquakes. However there is no forest land involved in this project.
25	Regular supervision of above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.	Agreed and accepted.

**II. Operation Phase:** The project is still under construction phase so compliances of operation phase is not applicable.

**Part B. General conditions**

Sr. No.	Conditions	Reply
1	The environmental safe guards contained in the documents should be implemented in letter and spirit.	Environment safeguards are being implemented in true spirit.
2	Provisions should be made for the supply of kerosene or gas and pressure cooker to the labors during construction phase.	Workers have food in canteen provided by the contactor.
3	Six monthly monitoring report should be submitted to the ministry and its regional	Agreed, the six monthly reports are regularly submitted to the Regional

	office.	Office MoEF.
4	Officials from the Regional Office of MOEF, Chandigarh who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents /data by the project proponents during their inspection. A complete set of all the documents submitted MOEF should be forwarded to the CCF, Regional Office of MoEF, Chandigarh.	Agreed, Authorities will be given full cooperation, facilities and documents /data.
5	In the case of any change(s) in the scope of project, the project would require a fresh appraisal by this ministry.	Agreed and accepted.
6	The ministry reserve the right to modify /add additional Environmental Safeguards subsequently, if found necessary. Environment clearance granted will be revoked if it is found that false information has been given for approval of the project.	Agreed and accepted.
7.	Necessary permission shall be obtained from the state fire department for providing fire safety measures before allotment of premises for Residential purpose in the town ship.	Agreed, permission shall be obtained.
8.	These stipulations would be endorsed among others under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention Control of Pollution) Act 1981, the Environment Protection Act 1986 and the Public Liability Insurance act, 1991.	Agreed and accepted.
9	The project proponent shall entre in to MoU with all buyers of the property if any to ensure operation & Maintenance of the STP and other assets.	Agreed
10	This environmental clearance is subject to the decision of the Hon'ble Supreme court	Agreed and accepted.

	in the Matter of Writ Petition (Civil) 460/2004 of Goa Foundation v/s Union of India.	
11	Any Appeal against this environment clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 Days as prescribed under section 11 of the National Environment Appellate Act, 1997.	Agreed & Accepted

ASHWIN - 1113

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# प्रदूषण नियंत्रण प्रमाणपत्र

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

P.U.C.C. No.

प्रमाणन संख्या

Vehicle No.

वाहन पंजी सं०

Make

ब्रेक

Model

मॉडल

Category

वर्ग

Year

वर्ष

Fuel

ईंधन

Date

दिनांक

Time

समय

Valid upto

वैधता

09/Sep/2015  
FEERS 357

प्रमाणित किया जाता है

000450215 किडरवाहन का Co

उत्सर्जन को सी वा

1989 सी.105 (2)

HR 69A 08863 निम्नलिखित स्तर के अनुसार है।

यदि आप को कोई शिकायत है

तो कृपया Regional Tpt. Authority

Panchkula में संपर्क करें।

JCB

3D

Others

10/03/2009

Diesel

10/Mar/2015

Flushing Cycle Mean RPM Min 1245 Max 1245

S.No.	RPM(Min)	RPM(Max)	K m-1	HSU%	Temp
1.	0641	2546	1.34	55.5%	0065
2.	0744	2451	1.25	53.6%	0066
3.	0641	2546	1.34	40.5%	0065
4.	0744	2451	1.25	44.6%	0066
5.	0641	2546	1.24	40.5%	0065
6.	0744	2451	1.25	52.6%	0066
7.					
8.					
9.					
10.					
Mean		PASS	1.31	52.8%	

Certificate that this vehicles CO emission level conforms to the standards prescribed under Rule 115 (2) of CIM Rules, 1989. In case of any complaint, please write District, Transport Authority, Panchkula



SUPPLIERS  
CORP. LTD.  
NH-22, Kaika-Shimla Road  
Ph. : 93564-51913

AUTHORISED SIGNATORY  
अधिकृत/स्वाक्षर (संज्ञक)  
Valid in Delhi (6 Months)

08/23158 P74  
09/Sep/2015  
FEERS 357

A-1

8-7-2015

**INDIAVALID** प्रदूषण नियंत्रित प्रमाण पत्र S.No-1991  
**POLLUTION UNDER CONTROL CERTIFICATE**

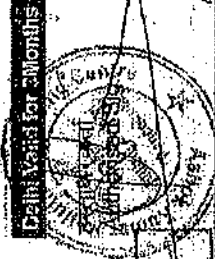
परिवहन विभाग, हरियाणा सरकार  
AUTHORISED BY: TRANSPORT COMMISSIONER, HARYANA

प्रमाणन संख्या PUCC. No. DL	प्रमाणित किया जाता है कि इसकाहन का CO ,एन HC उत्सर्जन स्तर के, मो.वा.के नियम 115 (2) में निर्धारित स्तर के अनुसार है।
वाहन की संख्या Vehicle Reg. No.	यदि आपको कोई शिकायत है तो कृपया सचिव, प्रादेशिक परिवहन प्राधिकारी को लिखें।
नेक Make	
मॉडल Model	
वर्ग Category	
इंजिन स्ट्रोक Engine Stroke	
पंजीकरण की तिथि Date of Regn.	
उत्सर्जन मानक Emission	
इंधन Fuel	
दिनांक Date	
समय Time	
वैधता Valid upto	

Test Cycle	
Avg 1 min Max	
3.490.1.1 Min Max	1. % mp lpc
2.1755.3002.64.3.8.288	1
2.2559.2250.61.3.1.388	2
3.2689.3029.25.1.7.288	3
4.2755.2338.48.2.2.288	4
5.2752.3058.33.3.6.288	5
6.2650.3108.46.5.7.288	2
USEN	44.7%



Your Centre Name : 0055



अधिकृत. केन्द्र. कोड  
Authoriser Centre Code

P	K	L	D	0	0	9	1
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H.R. Pollution Checking Centre, C/o Target Fuel Point, Vill.-Lohgarh, Panchkula



ASHWATHA - TRACTOR TRAILER

ALL INDIA VALID

# प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE  
AUTHORISED BY TRANSPORT CONTROLLER

Licence No. PKL-D-0045

PUC No.

प्रमाणपत्र संख्या

Vehicle No.

वाहन पंजी सं०

Make

नेक

Model

मॉडल

Category

वर्ग

Year

वर्ष

Fuel

ईंधन

Date

दिनांक

Time

समय

Valid upto

वैधता

FEERS. 35/

D0045015-2008

कि सवाहन का Co  
उत्पन्न के सी को

HR 49A 2008-09-की-115-(2)

के निर्धारित स्तर के अनुसार है।  
यदि आप को कोई शिकायत है

तो कृपया Regional Tpt. Authority  
Panchkula में सम्पर्क करें।

Certificate that this vehicles CO  
emission level conforms to the  
standards prescribed under Rule  
115 (2) of CM Rules, 1989.

In case of any complaint, please  
write District, Transport Authority,  
Panchkula

10/02/2008

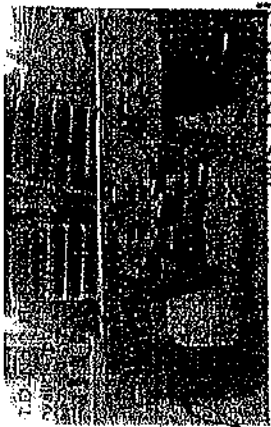
Diesel

10/Mar/2015

06:23:02 PM

09/sep/2015

S.No.	RPM(Min)	RPM(Max)	K.m-1	HSU%	Temp
1.	0744	2451	1.25	45.6%	0066
2.	0641	2546	1.34	42.5%	0065
3.	0744	2451	1.25	43.6%	0066
4.	0641	2546	1.34	55.5%	0065
5.	0744	2451	1.25	43.6%	0066
6.	0641	2546	1.34	40.5%	0065
7.					
8.					
9.					
10.					
Mean		PASS	1.31	50.8%	



HR'S TRACTOR SUPPLIERS  
CORP. LTD.  
NH-22, Kaika-Shimla Road  
Ph : 93564-51913

AUTHORISED SIGNATORY

अधिकृत हस्ताक्षर कर्ता

Valid in Delhi (3 Months)

ALL INDIA VALID

# प्रदूषण नियंत्रण प्रमाणपत्र

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

PUC No.  
प्रमाणपत्र संख्या

0004501328

Vehicle No.  
वाहन पंजी सं०

DL 1E 1887

Make  
ब्रेक

MAHINDRA

Model  
मॉडल

475 DI

Category  
वर्ग

Others

Year  
वर्ष

01/06/2011

Fuel  
ईंधन

Diesel

Date  
दिनांक

09/Jun/2015

Time  
समय

03:14:04 PM

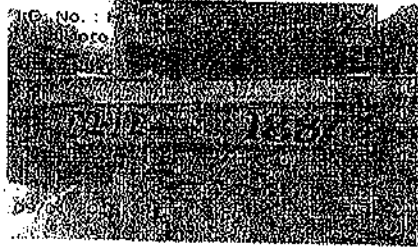
Valid upto.  
वैधता

08/Jul/2015

संश्लेषित विवरण जस्ता है  
कि सवाहन का Co  
उत्सर्जन को सी. पी.  
1989 की 115 (2)  
में निर्धारित स्तर को अनुसरण है।  
यदि आप को कोई शिकायत है  
तो कृपया Regional Tpl. Authority  
Panchkula में संपर्क करें।  
Certificate that this vehicles CO  
emission level conforms to the  
standards prescribed under Rule  
115 (2) of CM Rules, 1989  
In case of any complaint, please  
write District, Transport Authority,  
Panchkula

Flushing Cycle Mean RPM Min 0737 Max 3600

S.No.	RPM(Min)	RPM(Max)	Km-1	HSU%	Temp
1.	0744	2451	1.25	40.5%	0060
2.	0641	2546	1.34	41.5%	0065
3.	0744	2451	1.25	40.5%	0060
4.	0641	2546	1.34	41.5%	0065
5.	0744	2451	1.25	40.5%	0060
6.	0641	2546	1.34	41.5%	0065
7.					
8.					
9.					
10.					
Mean		PASS	1.31	41.0%	



AUTHORISED SIGNATORY  
अधिकृत हस्ताक्षर (बत)  
Valid in Delhi : 12Months

M/s TRUCK SUPPLIERS  
CORP. LTD.,  
NH-22, Kalka-Shimla Road  
Ph 93564-61913

ALL INDIA VALID

# प्रदूषण नियंत्रण प्रमाणपत्र

POLLUTION CONTROL CHECK CERTIFICATE  
AUTHORISED BY TRANSPORT CONTROLLER

Licence No. PKL-D-0045

PUC No.

प्रमाणपत्र संख्या

DC04501593818 विना जग है

कि स्वामी का Co

उत्पादन के भी या

Vehicle No.

वाहन पंजी सं०

HR 71 030989 की 115 (2)

में निर्धारित रेट के अनुसार है।

यदि आप को कोई शिकायत है

तो कृपया Regional Tpt. Authority

Panchkula में संपर्क करें।

Make

ब्रेक

SWARAJ

Model

मॉडल

735FE

Category

वर्ग

others

Certificate that this vehicles CO  
emission level conforms to the  
standards prescribed under Rule  
115 (2) of CM Rules, 1989.

In case of any complaint, please  
write District, Transport Authority,  
Panchkula

Year

वर्ष

10/03/2008

Fuel

ईंधन

Diesel

Date

दिनांक

10/Mar/2015

Time

समय

01:06:25 PM

Valid upto 09/Sep/2015

वैधता

Valid in Delhi (3 Months)

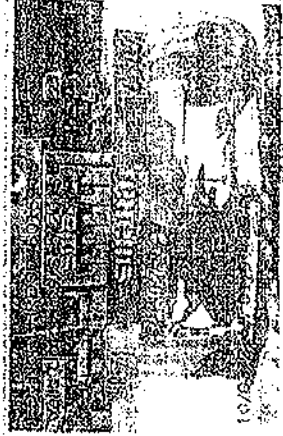
Valid in Delhi (3 Months)

अधिकार क्षेत्र में

वैधता

Flushing Cycle Mean RPM Min-1245 Max 1245

S.No.	RPM(Min)	RPM(Max)	K m-1	HSB%	Temp
1.	0641	2546	1.34	53.5%	0065
2.	0744	2451	1.25	42.5%	0060
3.	0641	2546	1.34	35.5%	0065
4.	0744	2451	1.25	40.5%	0060
5.	0641	2546	1.34	25.5%	0065
6.	0744	2451	1.25	51.5%	0060
7.					
8.					
9.					
10.					
Mean		PASS	1.31	51.4%	



WIS TRONKA SUPPLIER

CO. LTD.

NH-22, Kalra-Shimla Road

Ph : 93564 31113

WIS TRONKA SUPPLIER

CO. LTD.

NH-22, Kalra-Shimla Road

Ph : 93564 31113

ALL INDIA VALID

# प्रदूषण नियंत्रण प्रमाणपत्र

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

PUC No. प्रमाणपत्र संख्या  
00045027867

Vehicle No. वाहन पंजी सं  
HR 49B-0396

Make ब्रेक  
Panchkula से संकेत करें

Model मॉडल  
7J5EE

Category श्रेणी  
Others

Year वर्ष  
01/01/2007

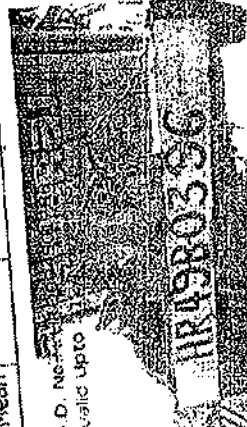
Fuel ईंधन  
Diesel

Date दिनांक  
13/May/2015

Valid upto 09:30:00 AM 13/NOV/2015  
VALID FOR 3 MONTH  
Valid in Delhi (3 months)

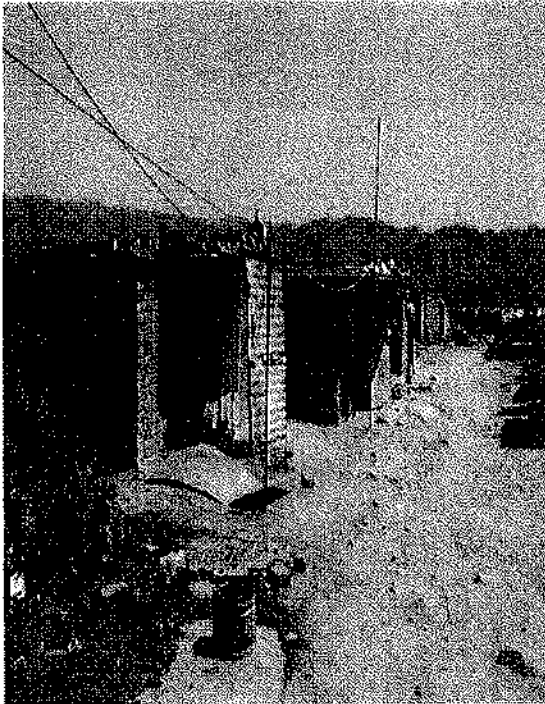
Flushing Cycle Mean RPM Min 0748 Max 3652

Swab.	RPM(Min)	RPM(Max)	K m-1	HSU%	Temp
1.	0744	2451	1.25	40.5%	0060
2.	0641	2546	1.34	41.5%	0065
3.	0744	2451	1.25	40.5%	0060
4.	0641	2546	1.34	41.5%	0065
5.	0744	2451	1.25	40.5%	0060
6.	0546	3245	1.28	39.5%	0067
7.					
8.					
9.					
10.					
Mean		PAAS	1.31	39.0%	



HR TRUCKS SUPPLIER CORPORATION  
Kalka - Shimla Road,  
NH-22, Panchkula (Haryana)  
Mobile : 9356451913

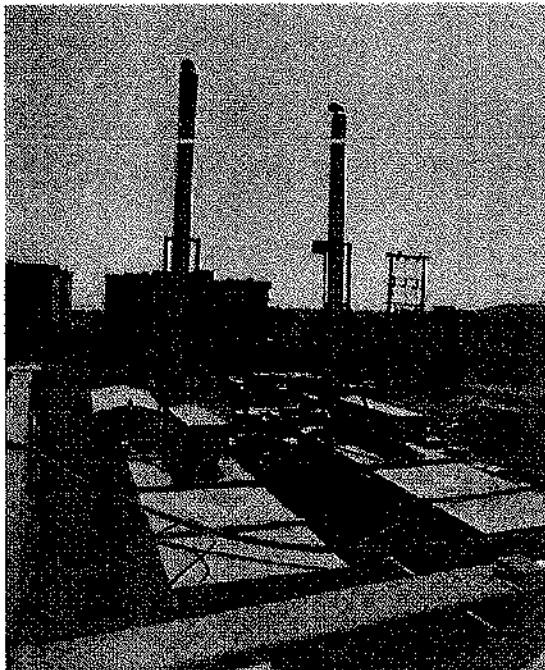
AUTHORISED SIGNATORY  
अधिकृत हस्ताक्षर करें  
Valid For 3 Month In Delhi



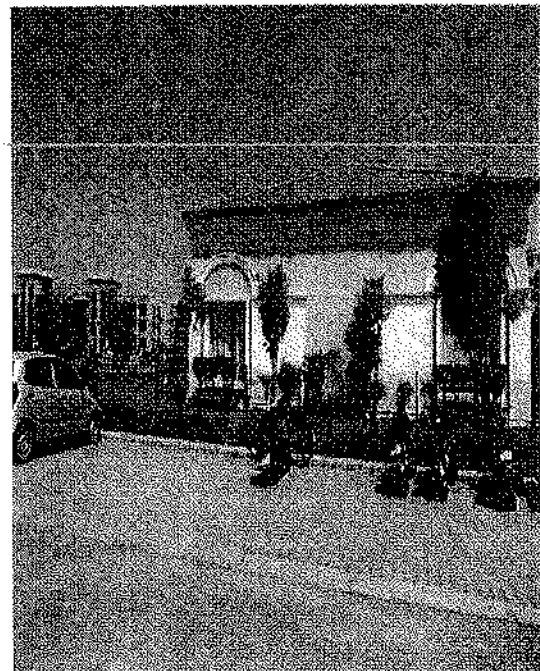
LABORERS HUTMENTS AT SITE



GREEN BELT DEVELOPMENT



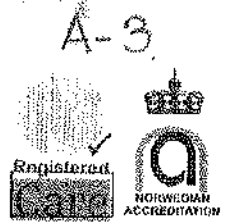
DG SETS WITH ACOUSTIC ENCLOSURES



PARKING SITE



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 Environment Due-diligence, Monitoring and Analysis Services  
 ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739



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**TEST REPORT**

EL-15-16/368	dt: 26.05.15	Lab No.	EC15051A01	Page-1/1
Customer:	Residential Plotted Colony of DLF Homes Panchkula Pvt. Ltd. Bhagwanpur Pinjore, Distt. Panchkula, Haryana			
Type of Sample:	Ambient Air			
Work Order No. & Date:	Six monthly work order			
Mode of Collection of Sample:	Sampling by Laboratory			
Sampling Location:	Near Sales Office			
Date of Sampling:	20.05.15			
Sampling Protocol:	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.			
Sampling Team:	Lab Representative: Mr. Nitin & Team Customer Representative: Capt. Kali Dass (SO)			
Date of Receipt of Sample:	20.05.15			
Date of Reporting:	25.05.15			
Testing Protocol:	National Ambient Air Quality Standards (NAAQS) 2009			
Remarks & Observation:	Sunny Day ; 8hr/ 1hr Sampling			

S.No	Test Parameters	Units	Results	Limit	Test Method
1.	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	36.25	60	Lab SOP EL-A1-PM2.5 Issue01 Dated 1.11.14 based on Manufacturer's Manual and CPCB Guidelines
2.	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	98.33	100	IS: 5182 (P-23) 2001
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	6.31	80	IS: 5182 (P-2) 2001
4.	Nitrogen Oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	13.26	80	IS: 5182 (P-6) 2006
5.	Ammonia	µg/m <sup>3</sup>	BDL	400	APHA 11nd Ed. 1977 Method 801 (DL = 10 µg/m <sup>3</sup> )
6.	Ozone	µg/m <sup>3</sup>	BDL	180	IS: 5182 (Part-9) -1974 R2003 (DL = 10 µg/m <sup>3</sup> )
7.	Carbon Monoxide (CO)	mg/m <sup>3</sup>	BDL	04	Lab SOP EL-A2-CO Issue01 Dated 1.6.14 Electrochemical Method- Manufacturer's Manual (DL = 1.5 mg/m <sup>3</sup> )

Note: BDL = Below Detection Limit; DL = Detection Limit

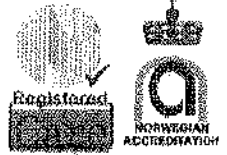
*Sanchit Singh*  
 Technical Manager III/IV



PTO



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**TEST REPORT**

EL-15-16/369	dt: 26.05.15	Lab No.	EC1505IN02	Page-1/1	
Customer:	Residential Plotted Colony of DLF Homes Panchkula Pvt. Ltd. Bhagwanpur Pinjore; Distt. Panchkula, Haryana				
Type of Sample:	Noise Levels (Ambient)				
Work Order No. & Date:	Six monthly work order				
Mode of Collection of Sample:	Sampling by Laboratory				
Sampling Location:	Average Noise Level near Construction Site				
Date of Sampling:	20.05.15				
Sampling Protocol:	IS: 9989:1981 R-2002 and as per customers requirements				
Sampling Team:	Lab Representative: Mr. Nitin & Team Customer Representative: Capt. Kuli Dass (SO)				
Date of Receipt of Sample:	20.05.15				
Date of Reporting:	25.05.15				
Testing Protocol:	Ambient Air Quality Standards for Noise				
S.No	Test	Location	Unit	Results	Test Method
1	Ambient Day Time Noise Levels 1 Hour $L_{eq}$	Average Noise Level near Construction Site	dB(A)	62.1	IS-9989:1981 R-2002

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

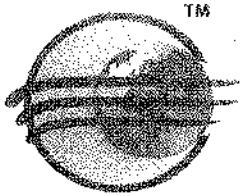
*Sachin S. S.*  
 Technical Manager III/IV

*Sachin S. S.*  
 Technical Manager III/IV

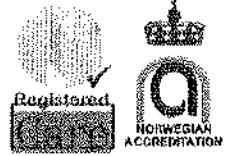
**Noise: Ambient Air Quality Standards**

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

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## TEST REPORT

EL-15-16/370	Dt: 26.05.15	Lab No.	EC15051W03	Page-1/1
Customer:	Residential Plotted Colony of DLF Homes Panchkula Pvt. Ltd. Bhagwanpur Pinjore, Distt. Panchkula, Haryana			
Type of Sample:	Water			
Work Order No. & Date:	Six monthly work order			
Mode of Collection of Sample:	Sampling By Laboratory			
Packing, Marking, Seal & Identity:	Plastic Bottle & Sterilized Glass Bottle Marked 'T'			
Quantity:	2litre + 250ml			
Sampling Location:	Near B1 Block (Borewell)			
Sampling Protocol:	IS: 3025-(P-1)-1987-R-1998 Amdt-1			
Date Of Sampling:	20.05.15			
Sampling Team:	Lab Representative: Mr. Nitin & Team Customer Representative: Capt. Kali Dass (SO)			
Date of Receipt of Sample:	20.05.15			
Date of Reporting:	25.05.15			
Testing Protocol:	IS: 10500-2012			
Remarks & Observation:	Clear colorless liquid			

S.No	Test Parameters	Units	Results	Requirements		Test Method
				Desirable Limits	In Absence of Alternate Source	
1.	Colour	Hazen units	< 5	Max 5	Max 15	APHA-22nd Ed 2012-2120 B Visual Comparison (Pt Cobalt) Method
2.	Odour	--	Agreeable	Agreeable	Agreeable	IS:3025 (P-1)-1987-R-1998
3.	Taste	-	Agreeable	Agreeable	Agreeable	IS: 3025 (P-7/8)-1984 RA 1996
4.	Turbidity	NTU	0.2	Max 1	Max 5	APHA-22nd Ed 2012-2150B Nephelometric Method
5.	pH	-	7.16	6.5 to 8.5	No relaxation	APHA-22nd Ed 2012-4500 B
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	237.60	Max 200	Max 600	APHA-22nd Ed 2012-2340C EDTA Method
7.	Iron (as Fe)	mg/l	BDL	Max 0.3	No relaxation	APHA-22nd Ed 2012-3500 Fe B (DL: 0.1 mg/l)
8.	Chlorides (as Cl)	mg/l	12.3	Max 250	Max 1000	APHA-22nd Ed 2012-4500 B Argentometric Method
9.	Coliforms	MPN/100ml	Absent	Absent	--	IS: 1622-1984 RA 2003-3.3.1 Multiple tube Dilution Tube
10.	E.Coli/100ml	--	Absent	Absent	--	IS: 1622-1984 RA 2003-3.3.1 Multiple tube Dilution Tube

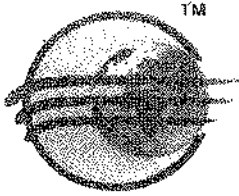
Note: BDL = Below Detection Limit; DL = Detection Limit

Technical Manager III/IV



**PTO**



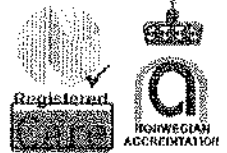


# Eco Laboratories & Consultants Pvt. Ltd.

Environment Due-diligence, Monitoring and Analysis Services

ISO-14001:2004 OHSAS-18001:2007 CIN : U74140PB2011PTC034739

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## TEST REPORT

EL-15-16/371	dt: 26.05.15	Lab No.	EL15051S04	Page-1 of 1
Customer:	Residential Plotted Colony of DLF Homes Panchkula Pvt. Ltd. Bhagwanpur Pinjore, Distt. Panchkula, Haryana			
Type of Sample:	Soil			
Work Order No. & Date:	Six monthly work order			
Mode of Collection of Sample:	Sampling by Laboratory			
Packing, Markings, Seal:	Poly Bag Marked 'I'			
Quantity:	1kg			
Date Of Sampling:	20.05.15			
Sampling Location:	Near Sales Office			
Sampling Team:	Lab Representative: Mr. Nitin & Team Customer Representative: Capt. Kali Dass (SO)			
Date of Receipt of Sample:	20.05.15			
Date of Reporting:	25.05.15			
Remarks & Observation:	Brown colored soil.			

S.No	Test Parameters	Units	Results	Test Method
1.	pH (1:2.5)	-	8.31	IS:2720 (P-26) 1987
2.	Electrical Conductivity of Saturation Extract (1:2)	mmhos/cm	0.382	IS:14767:2000
3.	Soil Moisture Content	%	7.3	IS:2720 (P-11) 1973 R 2002
4.	Soil Texture	-	Clay	IS: 2720 (Part-4) 1985
5.	Bulk Density	gm/cc	1.21	IS:2720 (Part-III): 1980
6.	Organic Matter	%	0.48	IS:2720 (Part-22) 1972 R 2010

*Sachin Singh*  
Technical Manager III/IV



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