

प्राप्त किया

संविधान एवं मन संविधान  
सर्व क्षेत्रीय कार्यालय, पणजी

Ref: PDL/ Strategic Planning/EIA/3079

Date: 29/11/2014

✓ *24/12/14*  
**Mr. Surendra Kumar,**  
Director(s),  
Northern Regional Office  
Ministry of Environment, Forests & Climate Change  
Bays No. 24-25, Sec.31-A, Dakshinmarg,  
Chandigarh-160030

**Subject: Compliance report for Residential Township "Parsvnath City Dharuhera" in sector 1, 1B & 2B at Dharuhera City Bus Stand. Adjoining Village Kharkhera, District Rewari by Parsvnath Developers Ltd**

**Ref: SEIAA EC No.DEH/09/SEIAA/474 dated 26/05/2009.**

Sir,

With reference of the above mentioned Environmental Clearance, we are herewith submitting the compliance of the conditions stipulated under Specific Condition & General Conditions.

Please find enclosed copy of six monthly progress report for the month of December 2014.

Thanking you,

Yours faithfully,  
**For Parsvnath Developers Ltd.**

*[Signature]*  
(Authorized signatory)

Enclosed: Compliance report in hard & soft (CD) copy

Cc:

- Regional Officer, Haryana State Pollution Control Board, Lala Nemi Chand Singhal Enclave, Sohna Road, Hanuman Mandir, Dharuhera, District-Rewari
- SEIAA, Haryana

**Parsvnath Developers Limited**

CIN: L45201DL1990PLC040945

**Corporate Office:** 6th Floor, Arunachal Building, 19, Barakhamba Road, New Delhi-110001, Ph. : 011-43686600, 43684800, Fax : 011-23315400

**Registered Office:** Parsvnath Metro Tower, Near Shahdara Metro Station, Shahdara, Delhi - 110032, Ph. : 011-43050100, 43010500, Fax : 011-43050473

E-mail : mail@parsvnath.com, Visit us at: www.parsvnath.com

*Environmental Clearance  
&  
Renewal Application*

**GOVERNMENT OF HARYANA  
STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY  
DEPARTMENT OF ENVIRONMENT, HARYANA  
SCO NO. 1-3, SECTOR-17-D, CHANDIGARH.**

No. DEH/09/SEIAA/ 474

Dated: 26/5/09

To

M/S Parsvnath Developers Ltd.  
6<sup>th</sup> Floor "Arunchal Building" 19, Barakhamba Road,  
New Delhi-110001.

**Subject: Environmental Clearance proposed construction project  
"Parsvnath City Dharuhera in Sector-1, 1B & 2B at  
Dharuhera City Bus Stand, adjoining Village Kharkhera,  
District- Rewari.**

Dear Sir,

This has reference to your application no. PDL/ Strategic Planning/ EIA/ 444, Dated 05.11.07 addressed to Director, (IA Division) MOEF-GOI, received by MS SEIAA Haryana on 30.06.08 and subsequent letters dated 10.09.08, 05.12.08, 09.03.09 and 03.04.09 seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A & Conceptual Plan and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 21.4.2008, in its meetings held on 16.09.08 27.01.09 and 17.04.09 awarded "Silver " grading to the project.

[2] It is, interalia, noted that the project involves construction of proposed Township "Parsvnath City" at Sector-1, 1B and 2B at Dharuhera. on a total plot area of 112.956 acres ( 457113.2 sqmt) Total built-up area 229465.028 sqmt excluding plot development comprising 630 plots including 130 EWS. The proposal is for development of Group Housing- 1 and Group Housing-II. The composition of which as under:-

**Group Housing-I**

G+14 Towers (5) **Total Units 600** Main Units: 510 (including 52 EWS)

G+18 Towers (4) EWS :: 90

**Group Housing II**

9 Towers (with no. of story varying from 8 to 18)

**Total Units 531** Main Units: 451(including 57 EWS)

EWS: 80

The total water requirement will be 2932 Cubic Mtr. Per day. Which will be met from Ground water/Municipal Supply. The total waste water generation will be 2176 cubic mtrs which will be treated in STP of capacity 2400 cubic mtrs. The 1678 cubic mtrs treated water will be recycled/ reused for flushing landscaping cooling of Group Housing and commercial area balanced treated water will be reused for green belt development along the sector road parks leading to zero discharge. Total solid waste generation will be 9.25 MT. The collected solid waste would be segregated and transported to a Govt. designated waste disposal site. The power requirement is 12700 KVA which will be supplied by Haryana Vidyut Vitran Nigam Ltd. The total parking spaces proposed are for 2189 ECS. In commercial area phase-I Total cost of the project is Rs. 231.2 crores.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority hereby accords 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:-**

- [i] A first aid room as proposed in the project report will be provided in both during construction and operation of the project.
- [ii] Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open desiccation by the laborers strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [iii] All the topsoil excavated during construction activities should be stored for use in horticulture/land scape development within the project site.
- [iv] Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

- [v] Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- (vi) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [vii] The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
- [viii] Ambient noise levels should conform to commercial 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 made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards.
- [ix] Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27<sup>th</sup> August 2003.
- [x] Ready mixed concrete must be used in building construction.
- [xi] Storm water control and its re-use as per CGWB and BIS standards for various applications.
- [xii] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- [xiii] Permission from Competent Authority for supply of water shall be obtained prior to construction/operation of the project.
- [xiv] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.
- [xv] Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [xvi] The approval of the competent authority shall be obtained for fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is

involved in the proposed site, clearance under Forest Conservation Act shall be taken from the competent Authority.

- [xvii] The project proponent will use the water for construction phase through tankers. However, this area does not fall under the dark category as declared by CGWA and will be using the water of the already existing two tubewells for construction/ operation phase till the water is supplied by the Local Authority/HUDA.
- xviii. During Construction phase, the project proponent will use the water brought to the site by tankers from safe areas. However, if any existing tubewell/borewell is to be used, then prior permission from CGWA will be obtained.

#### **Operation Phase:**

- [i] The STP be installed for the treatment of the sewage generated to the prescribed standards including odour and treated effluent will be recycled to achieve zero discharge. The STP should be installed at the farthest place in the project area.
- [ii] Separation of the gray and black water should be done by the use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done ensuring that the recirculated water should have BOD maximum 10 pm and the recycled water will be used for flushing, gardening and HVAC makeup and DG set cooling.
- [iii] For disinfections of the treated wastewater ultra violet radiation or ozonization should be used.
- [iv] The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/ inert solid waste should be disposed off to be approved sites for land filling after recovering recyclable material.
- [v] Diesel power generating 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 should be in the basement as promised by the project proponent with appropriate stack height i.e above the roof level as per the CPCB norms. The diesel used for DG sets should be of low sulphur contents (maximum 0.25%).
- [vi] 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 Commercial Complex.
- [vii] The project proponent should maintain at least 15% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species so as to provide protection against particulates and noise. The open spaces



- inside the plot should be preferably landscaped and covered with vegetation/grass.
- [viii] Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.
  - [ix] 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 must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. Above the highest ground water table.
  - [x] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
  - [xi] There should be no traffic congestion near the entry and exist points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.
  - [xii] A report on the energy conservation measures conforming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the IA Division of Environment Department, Haryana in three months time.
  - [xiii] Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.
  - [xiv] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000. The project proponent will subject the solid waste generated from the complex to the following process with in the complex site .
    - a) Segregation into bio/degradable and non bio/degradable solid waste
    - b) In situ composting of the bio/degradable waste at the compost pits
    - c) Transportations of non bio/degradable waste to an authorized dumping site/ solid waste management plan.
  - Xv The provision of the solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block.
  - XVI The project will be operationalized only after completion of infrastructure including supply of water by HUDA or with the

permission of the CGWA for using ground water from the tubewell.

**PART-B. GENERAL CONDITIONS:**

- (i) The environmental safeguards contained in the EIA/EMP Report should be implemented in letter and spirit.
- (ii) Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MOEF, GOI, Northern Region, Chandigarh and a copy to the Regulatory Authority of Haryana.
- [iii] The project proponent will sent one copy of the EMP Report to Additional Director, Regional Office, MOEF, GOI, Sector 31, Chandigarh and to the Chairman, Haryana State Pollution Control Board, Panchkula for their reference.
- [iv] 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.
- [v] 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, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vi] These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, Forest Conservation Act, 1980 and EIA Notification, 2006.



- [vii] The Project proponent will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts.

*Member*  
Member Secretary,  
State Level Environment Impact  
Assessment Authority, Haryana,  
Chandigarh. *MS*

Endst. No. DEH/09/SEIAA/

Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MOEF, GOI, CGO Complex, Lodi Road, New Delhi.
2. The Regional officer, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, Pkl.

*Member*  
Member Secretary,  
State Level Environment Impact  
Assessment Authority, Haryana,  
Chandigarh.



Ref: PDL/Strategic Planning/EIA/2931

Date 29/04/2014

**Chairman**

State Environment Impact Assessment Authority  
Bays No. 55-58, Paryatan Bhawan  
1<sup>st</sup> floor, Sector 2,  
Panchkula, Haryana

**Subject: Request for Extension of Validity of Environmental Clearance for proposed construction of Township project "Parsvnath City, Dharuhera" at Sector 1, 1B & 2B, near village Kharkhera, Distt. Rewari, Haryana.**

Ref: SEIAA EC Ref No. DEH/09/SEIAA/474 dated 28.05.2009

Dear Sir,

This has the reference of referred Environmental Clearance granted to our project cited under subject, on 28.05.2009, which is expiring on 27.05.2014.

In connection of the above, herewith we are submitting the following for extension of the validity of the Environmental Clearance:

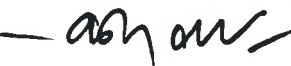
- Updated Form I & IA,
- Copy of Environmental Clearance,
- Affidavit illustrating construction status.
- Soft copy of application (CD)

Further, it is also stated that there is no variation in plan and proposals of the project from the earlier approved Environmental Clearance.

In light of the above mentioned facts, we would like to request you to kindly look into the matter and provide us a further validity of Environmental Clearance for five years.

Thanking you,

Yours faithfully,  
**For Parsvnath Developers Ltd.**



(Authorized signatory)

Encl: As stated above



**Parsvnath Developers Limited**

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E-mail : mail@parsvnath.com, Visit us at: www.parsvnath.com

## *Compliance Report*

**HALF YEARLY ENVIRONMENTAL MONITORING AND ENVIRONMENTAL COMPLIANCE REPORT  
Of  
"Parsvnath City" at Dharuhera, Haryana**

**1. INTRODUCTION**

**Introduction**

Parsvnath Developers endeavors to bring an international quality of housing at an affordable price to meet the growing demand of accommodation for the urban population thereby providing an exclusive living experience. The township project "Parsvnath City" will spread over an area of 112.956 acres of land located at Sec. 1, 1B and 2B Dharuhera, Haryana.

The project will be developed according to the highest international standards, offering well designed exclusive living comfort and splendors of modern amenities matched with lush verdant expanse.

The project is planned and designed keeping in view the best of urban planning, with state of the art technology to optimize energy requirement, entitled user access and adequate safety of the premises. The globally accepted norms have been used for the services and communication infrastructure.

**Description of the Project**

The project land falls in the approved urbanized area of Dharuhera. The project site is basically a vacant land located in serene and pollution free surroundings.

The proposed Group Housing project will comprise of 2, 3, 4 bedroom spacious apartments, designed on the basis of Swiss architecture. Spread over an area of approximately 112.956 acres, the project will include residential units which will have access to several amenities like, children's play area, gymnasium, green courts and open spaces. It will also have an exclusive state of the art club, community center, and few shop/retail outlets to cater to the daily needs of the residents together with a nursery school. Modern lifestyle amenities, 24 hours security with intercom facility, drinking water through R.O. plant, and broadband connectivity will be provided.

The details of the proposed project are given in the Table-1 below:

<b>Name of the Developer</b>	<b>Parsvnath Developers Limited</b>
<b>Project Address</b>	<b>Parsvnath City at Sector 1, 1B &amp; 2B , Dharuhera , Haryana</b>
<b>Total Area</b>	<b>457113.2 M<sup>2</sup> (112.956 acres)</b>
<b>Total Built-up Area</b>	<b>229465.028 M<sup>2</sup></b>
<b>No. of ECS</b>	<b>130 ECS</b>
<b>Total water requirement</b>	<b>2932 m<sup>3</sup>/d</b>
<b>Water Source</b>	<b>Municipal water supply augmented by bore well</b>
<b>STP</b>	<b>2400 m<sup>3</sup>/d capacity</b>
<b>Total Power requirement</b>	<b>12700 KVA</b>
<b>Power Source</b>	<b>Haryana Vidyut Vitran Nigam Ltd.</b>



## Present Status of Project

Development works in progress / construction of villas & floors is in progress.

Floors		PACKET A			
SN	Description	Plot Area	Qty in Nos		Area in (Sft)
1	GF Slab	402 Sqyrd	2	1990	3980
2	B/W	300 Sqyrd	33	1485	49005
3	Ready to Hand Over	300 Sqyrd	27	1485	40095
4	Finishing Balance	240 Sqyrd	9	1188	10692
			Total		103772
Villas					
1	Simplex	240 Sqyrd	4	1375	5500
2	Duplex	240 Sqyrd	6	2393	14358
			Total		19858

POCKET B					
1	GF Slab Simplex	240 Sqyrd	34	1375	46750
2	FF Slab Duplex	240 Sqyrd	3	2393	7179
3	B/W	240 Sqyrd	4	1375	5500
4	Ready to Hand Over	240 Sqyrd	1	1375	1375
5	Finishing Balance	240 Sqyrd	3	1375	4125
			<b>Total</b>		<b>64929</b>
			<b>G. Total</b>		<b>188559</b>
1	Built-up area		7	5567	38969
			<b>Total</b>		<b>38969</b>

## Purpose of the Study

The study has been carried out under recommendation from Ministry of Environment and Forests in its clearance notification vide letter No.DEH/09/SEIAA/474, dated 28<sup>th</sup> May 2009, under clause (ii) of Part B- General Condition.

Further, the study will envisage the environmental impacts that have generated in the local environment due to commencement of the project. The approved environmental impact assessment study carried out earlier has been considered as baseline environmental condition prevailing in the area.

Additional section of environmental audit has also been conducted to verify:

- The contractor following the environmental management guidelines as suggested in the approved environmental impact assessment report.
- Insufficiencies in the environmental management plan which turn out to be futile in the practical working condition to abate environmental degradation and vis a vis to amend the environmental management plan.

### **ENVIRONMENTAL CONSIDERATIONS**

1. Air Quality – Ambient Air & Stack Monitoring (Monitoring Reports are attached)
2. Water Quality (Monitoring Reports are attached)
3. Noise Level Survey (Monitoring Reports are attached)
4. Soil Quality (Monitoring Reports are attached)

### **Chapter 3: Compliance of Environmental Clearance (EC) Conditions**

#### **Specific Conditions**

As per the environment clearance letter from SEIAA vide letter No.DEH/09/SEIAA/474 dated 28<sup>th</sup> May 2009, certain conditions have been taken into consideration to make the construction supervisor accountable for better environmental state during construction phase:

#### **I. (Construction Phase):**

<b>S.N.</b>		<b>Description</b>
<b>1</b>	<b>A first aid room as proposed in the project report will be provided in both during construction and operation of the project.</b>	As directed a First Aids room and facility have been provided at the site for any emergency situation.
<b>2</b>	<b>Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open desiccation by the laborers strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.</b>	We are adhering to this point.
<b>3</b>	<b>All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.</b>	Topsoil is planned in such a manner to use entirely within the project site for horticulture purpose.
<b>4</b>	<b>Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.</b>	Necessary precautions have been taken towards disposal of muck.
<b>5</b>	<b>All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.</b>	All excavated top soil is being used in developing landscaping in our township project.
<b>6</b>	<b>Construction spoils, including bituminous material and other hazardous materials, must</b>	Proper precautionary measures have been provided to prevent any contamination of

S.N.		Description
	not be allowed to contaminate water course and the dump sites for such material must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.	ground water.
7	The Diesel generating sets to be used during construction phase should be low sulphur diesel type & should conform to Environment (Protection) Rules, prescribed for air and noise emission standards	We are using low sulphur diesel and the DG sets are provided an adequate stack height.
8	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosive shall be taken.	We have earmarked a separate place for storage of diesel at our site. Our storage quantity does not falls under permission purview.
9	Ambient noise levels should conform to residential 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 made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards.	We are adhering to this point and the ambient noise report is attached as annexure-I.
10	The construction agencies should use fly ash based building material/products in the construction as per provisions of Fly Ash Notification of September 1999 & amended as on August 2003	We are using the RMC made by pozzolina cement only, Which already contains about 15% fly ash by volume in it as well we are also using fly ash bricks for partition wall purpose.
11	Ready mix concrete must be used in building construction	We are adhering to this point.
12	Storm water control and its reuse as per CGWB and BIS standards for various applications	We are adhering to this point.
13	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	We are adhering to this point.
14	Permission from the competent authority for supply of water shall be obtained prior to construction /operation of the project.	We are adhering to this point.
15	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement	We are adhering to this point.
16	Opaque wall should meet prescribed	We are adhering to this point.

S.N.		Description
	requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	
17	The approval of the competent authority shall be obtained for fighting equipment, etc. as per National Building Code including protection measures from lightening etc. if any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be taken from the competent Authority.	We are adhering to this point.
18	The project proponent will use the water for construction phase through tanker. However, this area does not fall under the dark category as declared by CGWA and will be using the water of the already existing two tube wells for construction /operation phase till the water is supplied by the Local Authority/HUDA.	We are adhering to this point.
19	During construction phase, the project proponent will use the water brought to the site by tankers from safe areas. However, if any existing tube wells/ bore well is to be used, then prior permission from CGWA will be obtained.	We are adhering to this point.

## **II. Operation Phase**

Not applicable since the project is under construction.

### **Part- B.**

#### **General Conditions :**

S.N.		Description
1	The Environmental safe guards contained in the EIA/EMP Report should be implemented in letter and spirit.	We are adhering to all points stipulated in the documents
2	Six monthly compliance report should be submitted to the HSPCB and Regional Office, MoEF, GoI, Northern Region, Chandigarh and a copy to regulatory Authority Haryana.	Six monthly monitoring report is being enclosed
3	The Project Proponent will sent one copy of the EMP Report to Additional Director,	We are adhering to this point.

	Regional Office, MoEF, GoI, Sector 31, Chandigarh and to the Chairman, Haryana State Pollution Control Board, Panchkula for their reference.	
4	The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environment Clearance granted will be revoked if it is found that false information has been given for getting approval of this project.	Agreed.
5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller Explosives, Fire Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, PLPA, 1900, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.	Accepted.
6	These stipulations would be enforced among others under the provisions of Water (Prevention and control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991, Forest Conservation Act, 1980 and EIA Notification, 2006.	We are adhering to this point.
7	The Project proponent will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts.	We are adhering to this point.



*Environmental Monitoring  
Data Analysis*

**A. Ambient Air**

**Ambient Air Monitoring Report:**

S. No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM <sub>10</sub> )	IS : 5182 (P-23)	78.3	µg/m <sup>3</sup>
2	Particulate Matter (PM <sub>2.5</sub> )	SOP-AAQ/89/01	42.2	µg/m <sup>3</sup>
3	Sulphur dioxide (as SO <sub>2</sub> )	IS : 5182 (P-2) Improved West & Greak	10.8	µg/m <sup>3</sup>
4	Nitrogen dioxide (as NO <sub>x</sub> )	IS : 5182 (P-6)	35.4	µg/m <sup>3</sup>
5	Carbon monoxide (as CO)	IS : 5182 (P-10)	<1.15	mg/m <sup>3</sup>
6	Lead (as Pb)	IS : 5182 (P-22)	<0.1	µg/m <sup>3</sup>
7	Nickel (as Ni)	SOP-AAQ/90/02	<15.0	µg/m <sup>3</sup>
8	Arsenic (as As)	SOP-AAQ/89/03	<5.0	µg/m <sup>3</sup>
9	Ozone (as O <sub>3</sub> )	IS : 5182 (P-9)/Chemical Method	<10.0	µg/m <sup>3</sup>
10	Ammonia (as NH <sub>3</sub> )	APHA-AIR Indophenol Blue Method	<20.0	µg/m <sup>3</sup>
11	Benzene (as C <sub>6</sub> H <sub>6</sub> )	IS : 5182 (P-11)	<1.0	µg/m <sup>3</sup>
12	Benzo (α) Pyrene-Particulate Phase only	IS : 5182 (P-12)	<1.0	µg/m <sup>3</sup>

**Report Analysis:**

**1. Particulate Matter (PM<sub>10</sub>)**

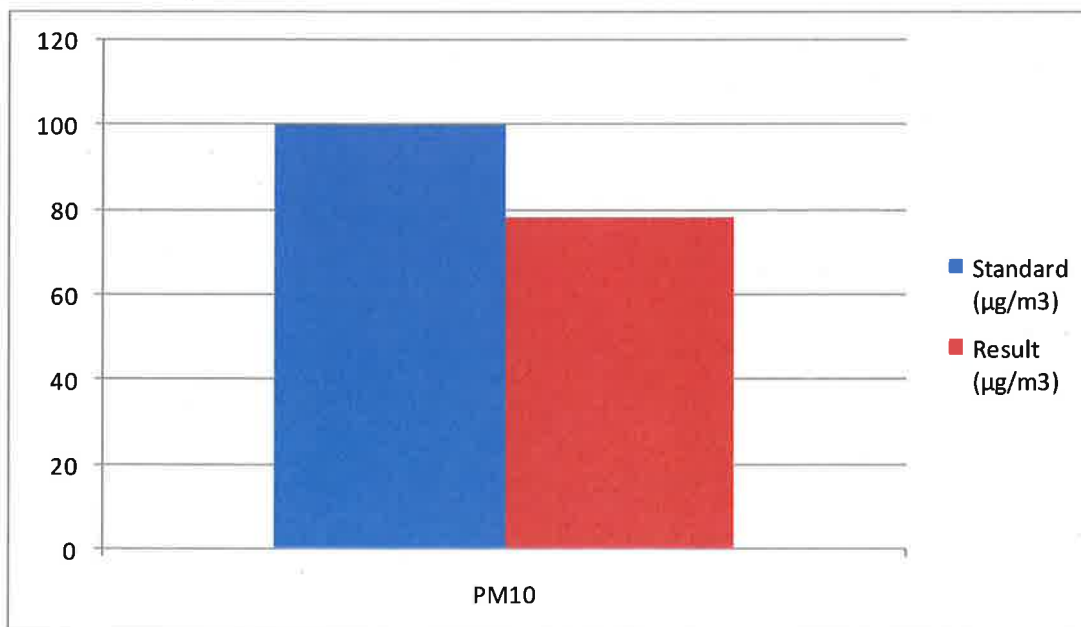
Monitoring of Ambient Air Quality was done from 08.11.2014 to 09.11.2014 on the project site. The value of PM10 is 78.3 µg/m<sup>3</sup>, which is within the standards of 100 µg/m<sup>3</sup> as prescribed by the NAAQS 2009.

Table 2 shows the values of PM10 (µg/m<sup>3</sup>) on the project site. Figure 1 shows graphical representation of the values of PM10 (µg/m<sup>3</sup>) on the project site.

**Table 2**

<b>Standard</b>	100 µg/m <sup>3</sup>
<b>Result</b>	78.3 µg/m <sup>3</sup>

**Figure**



## 2. Particulate Matter (PM<sub>2.5</sub>)

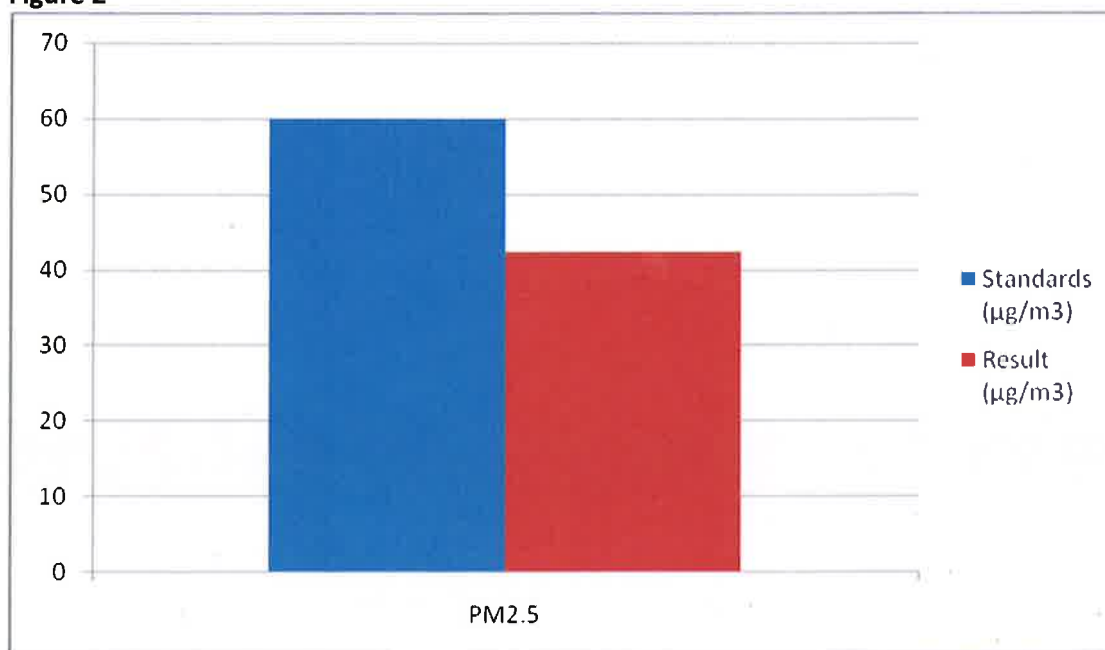
Monitoring of Ambient Air Quality was done from 08.11.2014 to 09.11.2014 on the project site. The observed value of PM<sub>2.5</sub> is 42.2 µg/m<sup>3</sup>, which is within the standards of 60 µg/m<sup>3</sup> as prescribed by the NAAQS 2009.

Table 3 shows the values of PM<sub>2.5</sub> (µg/m<sup>3</sup>) on the project site. Figure 2 shows graphical representation of the values of PM<sub>2.5</sub> (µg/m<sup>3</sup>) on the project site.

Table 3

<b>Standard</b>	60 µg/m <sup>3</sup>
<b>Result</b>	42.2 µg/m <sup>3</sup>

Figure 2



## 3. Sulphur dioxide (as SO<sub>2</sub>)

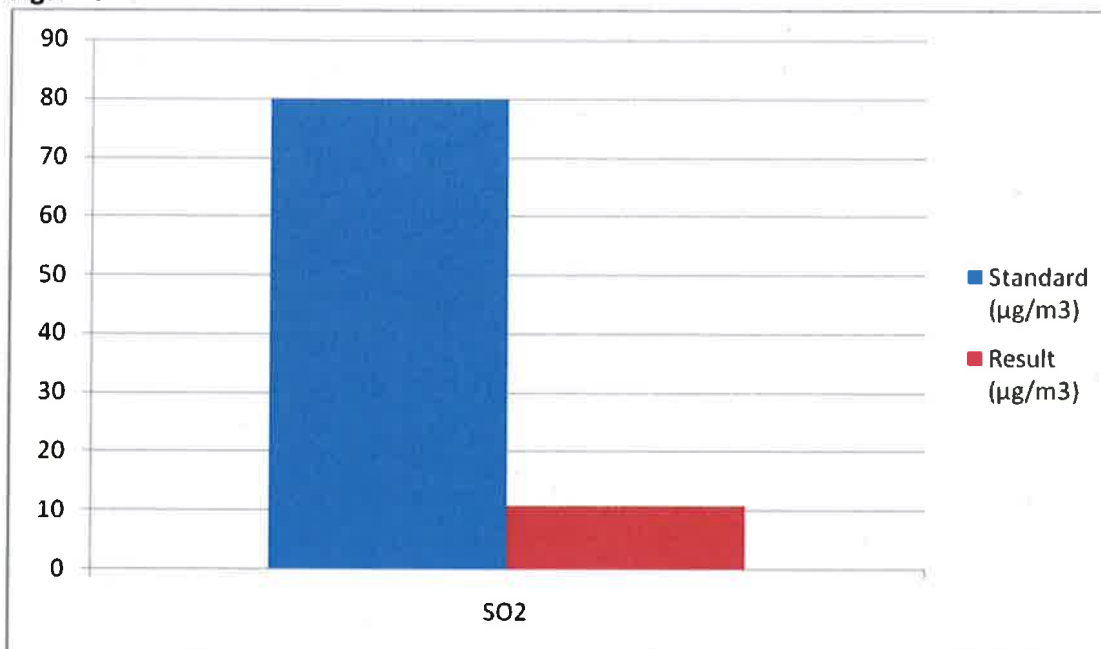
Monitoring of Ambient Air Quality was done from 08.11.2014 to 09.11.2014 on the project site. The observed value of SO<sub>2</sub> is 10.8 µg/m<sup>3</sup>, which is within the standards of 80 µg/m<sup>3</sup> as prescribed by the NAAQS 2009.

Table 4 shows the values of SO<sub>2</sub> (µg/m<sup>3</sup>) on the project site. Figure 3 shows graphical representation of the values of SO<sub>2</sub> (µg/m<sup>3</sup>) on the project site.

Table 4

<b>Standard</b>	80 µg/m <sup>3</sup>
<b>Result</b>	10.8 µg/m <sup>3</sup>

Figure 3



#### 4. Nitrogen dioxide (as NO<sub>2</sub>)

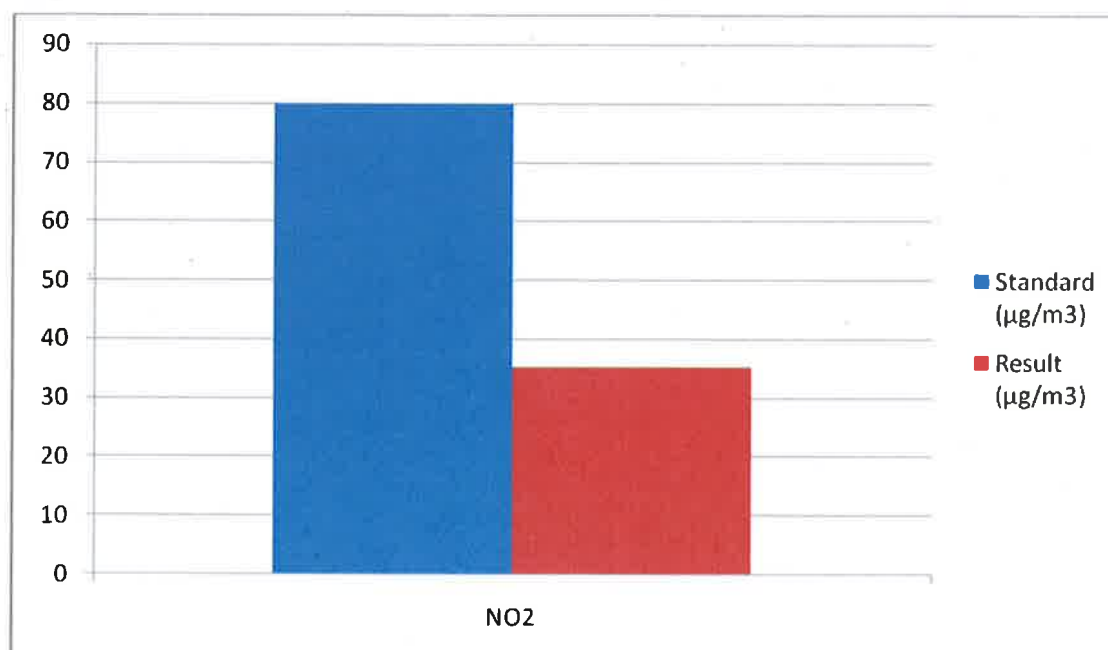
Monitoring of Ambient Air Quality was done from 08.11.2014 to 09.11.2014 on the project site. The observed value of NO<sub>2</sub> is 35.4 µg/m<sup>3</sup> which is within the standards of 80 µg/m<sup>3</sup> as prescribed by the NAAQS, 2009.

Table 5 shows the values of NO<sub>2</sub> (µg/m<sup>3</sup>) on the project site. Figure 4 shows graphical representation of the values of NO<sub>2</sub> (µg/m<sup>3</sup>) on the project site.

Table 5:

Standard	80 µg/m <sup>3</sup>
Result	35.4 µg/m <sup>3</sup>

Figure 4:



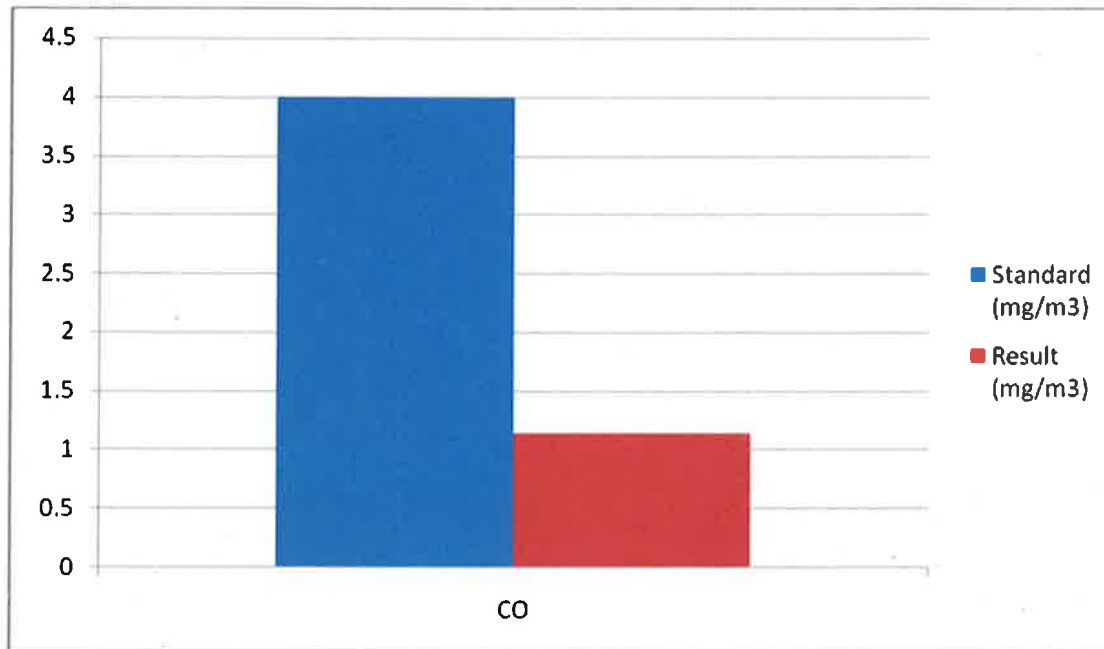
**5. Carbon monoxide (as CO):**

Monitoring of Ambient Air Quality was done 08.11.2014 to 09.11.2014 on the project site. The observed value of CO is  $<1.15 \mu\text{g}/\text{m}^3$ , which is within the standards as prescribed by the NAAQs 2009. Table 6 shows the values of CO (mg/m<sup>3</sup>) on the project site.

**Table 6**

<b>Standard</b>	4 mg/m <sup>3</sup>
<b>Result</b>	$<1.5 \text{ mg}/\text{m}^3$

**Figure 5**



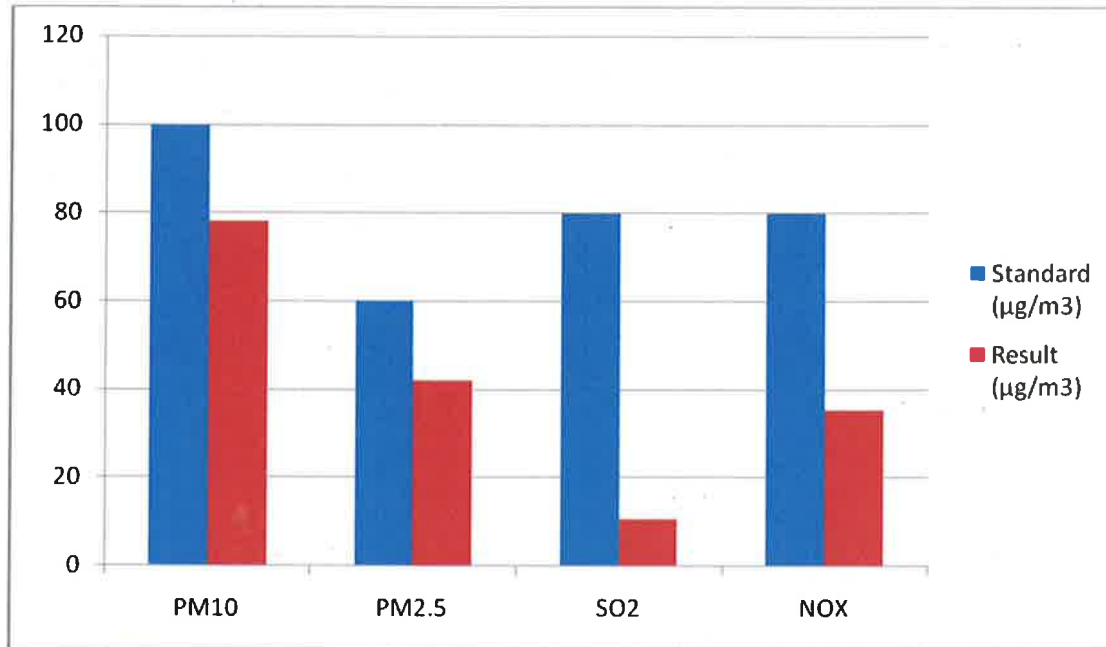
**6. Lead (as Pb), Nickel (as Ni), Arsenic (as As), Ozone (as O<sub>3</sub>), Ammonia (as NH<sub>3</sub>), Benzene (as C<sub>6</sub> H<sub>6</sub>) & Benzo (α) Pyrene-Particulate Phase only**

All the above mentioned parameters are found below the detectable limit on the project site.



## Ambient Air analysis

The Ambient air analysis for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> & NO<sub>2</sub> is shown below:



## B. Ambient Noise Monitoring

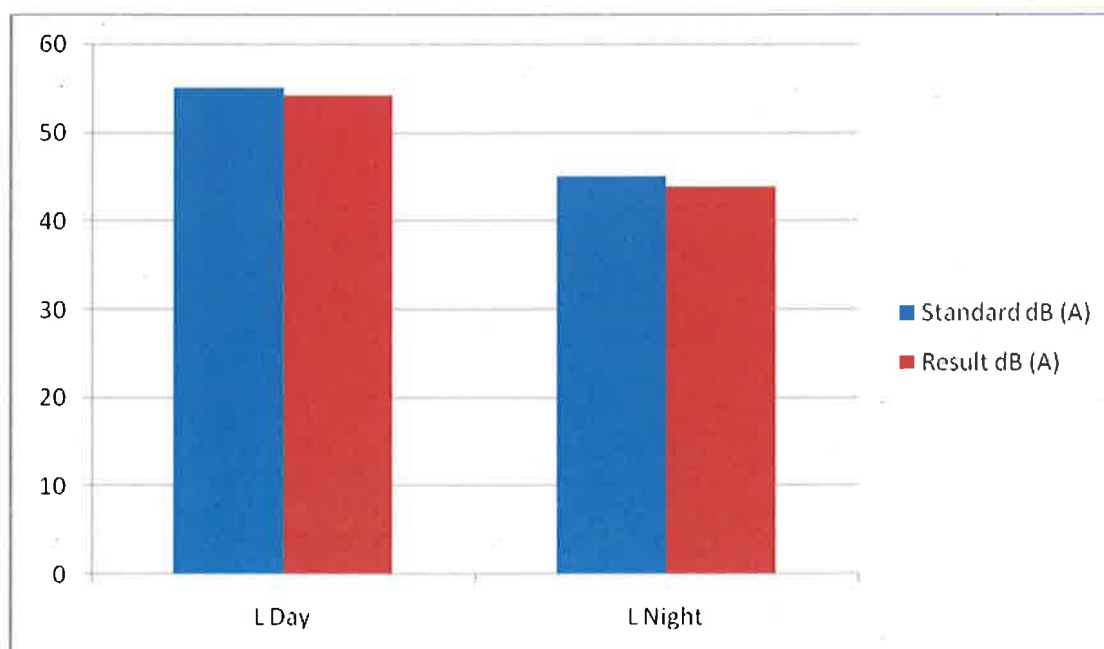
Noise Monitoring has been conducted at the Project site on 08.11.2014 to 09.11.2014, and the result of the same is illustrated in the below given table 7.

Table: 7

S. No.	Parameters	Result dB (A)
1	L eq (24 hr)	51.7
2	L Day	54.2
3	L Night	43.9
4	L dn	49.1
5	L max (24 hr)	66.3
6	L min (24 hr)	38.2
7	L 90	45.8
8	L 50	50.3
9	L 10	53.7

Ambient Noise Level Analysis: Table: 8

Parameter	Standard dB (A)	Result dB (A)
L Day	55	54.2
L Night	45	43.9



**C. DG Set Monitoring & Analysis**

We have installed one DG set of capacity of 82.5 KVA, for all construction activity, whereas the main source of power is Dakshin Haryana Bijli Vitran Nigam. The DG set is of acoustically enclosed type and having the stack height of 4.6 meter. The stack monitoring was conducted on 08/11/2014 and following report is being observed. The result is given in Table 9:

**Table: 9**

S. No.	Parameters	Result	Unit
1	Particulate Matter (as PM)	18.3	mg/Nm <sup>3</sup>
2	Sulphur Dioxide (as SO <sub>2</sub> )	9.6	mg/Nm <sup>3</sup>
3	Carbon monoxide (as CO)	< 0.2	% v/v
4	Lead (as Pb)	< 1.0	mg/Nm <sup>3</sup>
5	Oxides of Nitrogen (as NO <sub>x</sub> )	54.9	mg/Nm <sup>3</sup>

**D. Water Monitoring**

Ground water sample was extracted from the site to check the any chance of contamination in the ground water. Following result is observed from the sample taken on 08/11/2014 as given in table 10:

S. No.	Parameters	Result	Unit
1	Colour	< 5.0	Hazen
2	Odour	Agreeable	----
3	Taste	Agreeable	----
4	Turbidity	< 1.0	NTU
5	pH	7.19	----
6	Total Hardness (as CaCO <sub>3</sub> )	420	mg/L
7	Calcium (as Ca)	90.2	mg/L
8	Iron (as Fe)	< 0.1	mg/L
9	Chloride (as Cu)	192.6	mg/L
10	Residual Free Chlorine	<0.2	mg/L
11	Fluoride (as F)	< 1.0	mg/L
12	Total Dissolve Solids	862	mg/L
13	Magnesium (as Mg)	47.4	mg/L
14	Copper (as Cu)	< 0.01	mg/L
15	Manganese (as Mn)	< 0.1	mg/L
16	Sulphate (as SO <sub>4</sub> )	124.7	mg/L
17	Nitrate (as NO <sub>3</sub> )	5.84	mg/L
18	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	< 0.001	mg/L
19	Mercury (as Hg)	< 0.001	mg/L
20	Selenium (as Se)	< 0.005	mg/L
21	Arsenic (as As)	< 0.005	mg/L
22	Cynide (as CN)	< 0.05	mg/L
23	Lead (as Pb)	< 0.005	mg/L
24	Zinc (as Zn)	< 0.05	mg/L
25	Alkalinity (as CaCO <sub>3</sub> )	360	mg/L
26	Chromium (as Cr <sup>+6</sup> )	< 0.05	mg/L
27	Aluminium (as Al)	< 0.05	mg/L
28	Boron (as B)	< 0.25	mg/L
29	Cadmium (as Cd)	< 0.001	mg/L
30	Anionic Detergent (as MBAS)	< 0.05	mg/L
31	Total Coliform	Absent	MPN/100 mL
32	<u>E. coli</u>	Absent	MPN/100 mL

**E. Soil Monitoring**

Soil sample was taken from the project site on 08/11/2014 and the analysis report is illustrated below in table 11:

S. No.	Parameters	Result	Unit
1	pH (1:2.5 Suspension)	6.59	-----
2	Conductivity (1:5 Susp.)	524	μS/cm
3	Water Holding Capacity	48.6	% by mass
4	Bulk Density	1.24	gm/cc.
5	Sodium Available (as Na)	192.6	mg/Kg
6	Potassium Available (as K)	220.5	mg/Kg
7	Organic Matter	0.46	% by mass
8	Total Kjeldal Nitrogen	1290.7	mg/Kg.
9	Phosphorous (as P)	86.9	mg/Kg.
10	Zinc (as Zn)	25.2	mg/Kg.
11	Lead (as Pb)	< 1.0	mg/Kg.
12	Copper (as Cu)	< 1.0	mg/Kg.
13	Cation Exchange Capacity	9.6	meq/100 gm.
14	Moisture Content	13.7	% by mass
15	Iron (as Fe)	0.032	% by mass



*Environmental Monitoring  
Reports*

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**TEST REPORT****Water Sample Analysis**

Test Report No. : EKO/EV-WA/103/101114

Issue Date 15/11/2014

Issued To

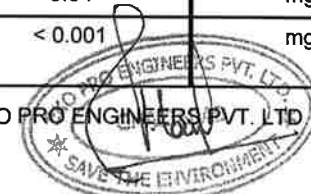
PARSVANATH DEVELOPERS LIMITED  
 6th FLOOR, ARUNANCHAL BUILDING  
 19, BARAKHAMBA ROAD (NEW DELHI)  
 Proj. Name - Parsvnath Developers, Dharuhera City  
 Sector - 1, 1B & 2B, Daruhera

Sample Description Ground Water  
 Sample Drawn on 08/11/2014  
 Sample Drawn by EPEPL(Mr. Mukul Kumar)  
 Sample Received on 10/11/2014  
 Sampling Location NA  
 Sampling Plan & Procedure SOP-W/66  
 Sample Quantity 5.0 Litre  
 Environmental Condition Normal  
 Analysis Duration 10/11/2014 To 14/11/2014  
 Remark (if any) NA

**RESULTS**

S.No.	PARAMETER	Test Methods	Result	Units
1	Colour	IS : 3025 (P-4)	< 5.0	Hazen
2	Odour	IS : 3025 (P-5)	Agreeable	-
3	Taste	IS : 3025 (P-7)	Agreeable	-
4	Turbidity	IS : 3025 (P-10)	< 1.0	NTU
5	pH	IS : 3025 (P-11)	7.19	-
6	Total Hardness (as CaCO <sub>3</sub> )	IS : 3025 (P-21)	420.0	mg/L
7	Calcium (as Ca)	IS : 3025 (P-40)	90.2	mg/L
8	Iron (as Fe)	IS : 3025 (P-53)	< 0.1	mg/L
9	Chloride (as Cl)	IS : 3025 (P-32)	192.6	mg/L
10	Residual Free Chlorine	IS : 3025 (P-26)	< 0.2	mg/L
11	Fluoride (as F)	IS : 3025 (P-60)	< 1.0	mg/L
12	Total Dissolved Solids	IS : 3025 (P-16)	862.0	mg/L
13	Magnesium (as Mg)	IS : 3025 (P-46)	47.4	mg/L
14	Copper (as Cu)	IS : 3025 (P-42)	< 0.01	mg/L
15	Manganese (as Mn)	IS : 3025 (P-59)	< 0.1	mg/L
16	Sulphate (as SO <sub>4</sub> )	IS : 3025 (P-24)	124.7	mg/L
17	Nitrate (as NO <sub>3</sub> )	IS : 3025 (P-34)	5.84	mg/L
18	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS : 3025 (P-43)	< 0.001	mg/L

For EKO PRO ENGINEERS PVT. LTD.



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(Analytical Division)

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Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

Test Report No. : EKO/EV-WA/103/101114

Issue Date 15/11/2014

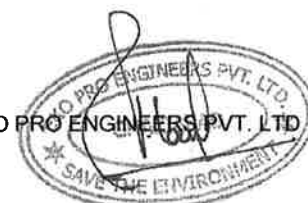
S.No.	PARAMETER	Test Methods	Result	Units
19	Mercury (as Hg)	IS : 3025 (P-48)	< 0.001	mg/L
20	Selenium (as Se)	IS : 3025 (P-56)	< 0.005	mg/L
21	Arsenic (as As)	IS : 3025 (P-37)	< 0.005	mg/L
22	Cyanide (as CN)	APHA 4500 CN-C	< 0.05	mg/L
23	Lead (as Pb)	IS : 3025 (P-47)	< 0.005	mg/L
24	Zinc (as Zn)	IS : 3025 (P-49)	< 0.05	mg/L
25	Alkalinity (as CaCO <sub>3</sub> )	IS : 3025 (P-23)	360.0	mg/L
26	Chromium (as Cr+6)	IS : 3025 (P-52)	< 0.05	mg/L
27	Aluminium (as Al)	IS : 3025 (P-55)	< 0.01	mg/L
28	Boron (as B)	IS : 3025 (P-57)	< 0.25	mg/L
29	Cadmium (as Cd)	IS : 3025 (P-41)	< 0.001	mg/L
30	Anionic Detergents (as MBAS)	APHA 5540-C	< 0.05	mg/L
31	Total Coliform	IS : 1622	Absent	Per100 mL
32	E.coli	IS : 1622	Absent	Per 100 mL

\*\*End of Report\*\*

**Notes :**

1. The results given above are related to the tested sample, as received & mentioned parameters.  
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.
3. This test report will not be used for any publicity/legal purpose.
4. This test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.  
Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

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**TEST REPORT****Noise Monitoring****Test Report No. :** EK0/EV-NM/108/101114**Issue Date** 12/11/2014**Issued To**

PARSVANATH DEVELOPERS LIMITED  
 6th FLOOR, ARUNANCHAL BUILDING  
 19, BARAKHAMBA ROAD (NEW DELHI)  
 Proj. Name - Parsvnath Developers, Dharuhera City  
 Sector - 1, 1B & 2B, Daruhera

**Sample Description** Ambient Noise  
**Sample Drawn on** 08/11/2014 To 09/11/2014  
**Sample Drawn by** EPEPL(Mr. Mukul Kumar)  
**Sample Received on** 10/11/2014  
**Sampling Location** Near Batching Plant  
**Sampling Plan & Procedure** SOP-N/01  
**Environmental Condition** Normal  
**Analysis Duration** 10/11/2014 To 11/11/2014  
**Remark (if any)** NA

**RESULTS**

S.No.	PARAMETER	Test Methods	Results	Units
1	Leq (24 Hrs.)	SOP-N/94/01	51.7	dB (A)
2	L Day	SOP-N/94/01	54.2	dB (A)
3	L Night	SOP-N/94/01	43.9	dB (A)
4	L dn	SOP-N/94/01	49.1	dB (A)
5	L Max (24 Hrs.)	SOP-N/94/01	66.3	dB (A)
6	L Min (24 Hrs.)	SOP-N/94/01	38.2	dB (A)
7	L 90	SOP-N/94/01	45.8	dB (A)
8	L 50	SOP-N/94/01	50.3	dB (A)
9	L 10	SOP-N/94/01	53.7	dB (A)

**Notes :****\*\*End of Report\*\***

- The results given above are related to the tested sample, as received & mentioned parameters.  
The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.
- This test report will not be used for any publicity/legal purpose.
- Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD.  
  
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 Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

**TEST REPORT****Soil Sample Analysis****Test Report No. :** EK0/EV-S0/103/101114**Issue Date** 15/11/2014**Issued To**

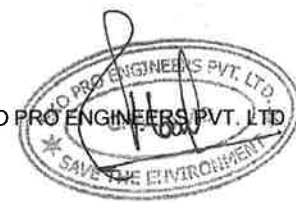
PARSVANATH DEVELOPERS LIMITED  
 6th FLOOR, ARUNANCHAL BUILDING  
 19, BARAKHAMBA ROAD (NEW DELHI)  
 Proj. Name - Parsvnath Developers, Dharuhera City  
 Sector - 1, 1B & 2B, Daruhera

**Sample Description** Soil Sample  
**Sample Drawn on** 08/11/2014  
**Sample Drawn by** EPEPL(Mr. Mukul Kumar)  
**Sample Received on** 10/11/2014  
**Sampling Location** On Project Site  
**Sampling Plan & Procedure** SOP-S/50  
**Sample Quantity** 1.0 Kg  
**Environmental Condition** Normal  
**Analysis Duration** 10/11/2014 To 14/11/2014  
**Remark (if any)** NA

**RESULTS**

S.No.	PARAMETER	Test Methods	Results	Units
1	pH (1 : 2.5 Suspension)	IS : 2720 (P-26)	6.59	-
2	Conductivity (1:5 Susp.)	IS : 2720 (P-21)	524.0	µs/cm
3	Water Holding Capacity	SOP-S/92/21	48.6	% by mass
4	Bulk Density	SOP-S/92/12	1.24	gm/cc
5	Sodium Available (as Na)	Ministry of Agriculture Manual 2011	192.6	mg/kg
6	Potassium Available (as K)	Ministry of Agriculture Manual 2011	220.5	mg/kg
7	Organic Matter	IS : 2720 (P-22)	0.46	% by mass
8	Total Kjeldhal Nitrogen	SOP-S/92/06	1290.7	mg/kg
9	Phosphorus (as P)	Ministry of Agriculture Manual 2011	86.9	mg/kg
10	Zinc (as Zn)	SOP-S/96/11	25.2	mg/kg
11	Lead (as Pb)	SOP-S/96/11	< 1.0	mg/kg
12	Copper (as Cu)	SOP-S/96/11	< 1.0	mg/kg
13	Cation Exchange Capacity	SOP-S/95/20	9.6	meq/100gm
14	Moisture content	IS : 2720 (P-2)	13.7	% by mass
15	Iron (as Fe)	SOP-S/96/11	0.032	% by mass

For EKO PRO ENGINEERS PVT. LTD.



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Contact : +91 - 9810243870

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Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

Test Report No. : EK0/EV-S0/103/101114

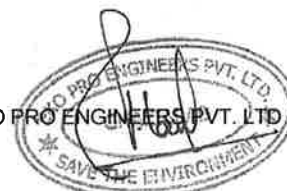
Issue Date 15/11/2014

\*\*End of Report\*\*

**Notes :**

1. The results given above are related to the tested sample, as received & mentioned parameters.  
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4. This test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.  
Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD.



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 Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

**TEST REPORT****Stack Emission Analysis****Test Report No. :** EKO/EV-SE/111/101114**Issue Date** 15/11/2014**Issued To**

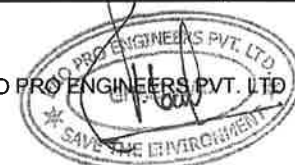
PARSVANATH DEVELOPERS LIMITED  
 6th FLOOR, ARUNANCHAL BUILDING  
 19, BARAKHAMBHA ROAD (NEW DELHI)  
 Proj. Name - Parsvnath Developers, Dharuhera City  
 Sector - 1, 1B & 2B, Daruhera

Sample Description	Stack Emission
Sample Drawn on	08/11/2014
Sample Drawn by	EPEPL(Mr. Mukul Kumar)
Sample Received on	10/11/2014
Time of Sampling (minutes)	30.0
Sampling Location	NA
Sampling Plan & Procedure	SOP-SE/09
Analysis Duration	10/11/2014 To 14/11/2014
Source of Emission	Stack Attached To DG Set
Capacity	82.5 KVA
Operating Load	Normal
Normal Operation Schedule	As per requirement
Type of Stack	Metal/Circular
Diameter of Stack (meter)	0.075
Height of Stack from Ground Level (meter)	4.6
Height of Stack from Roof Level (meter)	-
Height of Sampling Location (meter)	Sampling done from top of the Stack
Type of Fuel Used	HSD
Fuel Consumed per Hour	8.0 lph
Ambient Temperature (°C)	24.0
Stack Temperature (°C)	102.0
Average Velocity of Fuel Emission (m/sec)	9.6
Average Flow Rate (lpm)	17.5
Control Measures (if any)	Nil
Remark (if any)	Temporary Installed DG Set

**RESULTS**

S.No.	PARAMETER	Test Method	Result	Unit
1	Particulate Matter (as PM)	Gravimetric Method	18.3	mg/Nm <sup>3</sup>
2	Sulphur Dioxide (as SO <sub>2</sub> )	Titrametric Method	9.6	mg/Nm <sup>3</sup>
3	Carbon monoxide (as CO)	Orsat Method	< 0.2	% V/V
4	Lead (as Pb)	ICP Method	< 1.0	mg/Nm <sup>3</sup>
5	Oxides of Nitrogen (as NO <sub>x</sub> )	Spectrophotometric Method	54.9	mg/Nm <sup>3</sup>

For EKO PRO ENGINEERS PVT. LTD.



Authorized Signatory

EKO PRO



Contact : +91 - 9810243870 .

## EKO PRO ENGINEERS PVT. LTD.

(Analytical Division)

(An ISO 9001: 2008 Certified Company)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
e-mail: labs@ekopro.in, ekoproengineers@gmail.com, epeplgzb@gmail.com, epeplgzb@yahoo.com, www.ekopro.in,  
Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

Test Report No. : EKO/EV-SE/111/101114

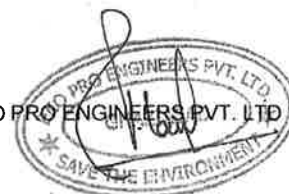
Issue Date 15/11/2014

\*\*End of Report\*\*

**Notes :**

1. The results given above are related to the tested sample, as received & mentioned parameters.  
The customer asked for the above tests only.
2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.
3. This test report will not be used for any publicity/legal purpose.
4. This test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.
5. Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD.



Authorized Signatory





Contact : +91 - 9810243876

**EKO PRO ENGINEERS PVT. LTD.**

(Analytical Division)

(An ISO 9001: 2008 Certified Company)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
e-mail: labs@ekopro.in, ekoproengineers@gmail.com, epeplgzb@gmail.com, epeplgzb@yahoo.com, www.ekopro.in,  
Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

**TEST REPORT****Ambient Air Quality Monitoring****Test Report No. :** EK0/EV-AA/110/101114**Issued To****Issue Date** 15/11/2014

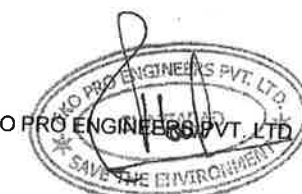
PARSVANATH DEVELOPERS LIMITED  
6th FLOOR, ARUNANCHAL BUILDING  
19, BARAKHAMBA ROAD (NEW DELHI)  
Proj. Name - Parsvnath Developers, Dharuhera City  
Sector - 1, 1B & 2B, Daruhera

Sample Description Ambient Air  
Sample Drawn on 08/11/2014 To 09/11/2014  
Sample Drawn by EPEPL(Mr. Mukul Kumar)  
Sample Received on 10/11/2014  
Sampling Location Near Site Office  
Sampling Plan & Procedure SOP-AAQ/15  
Analysis Duration 10/11/2014 To 14/11/2014  
Sampling Time 24.0 Hrs.  
Ambient Temperature (°C) 24.0  
Average Flow Rate of SPM (m³/min) 1.1  
Average Flow Rate of Gases (lpm.) 1.0  
Weather Conditions Clear  
Remark (if any) NA

**RESULTS**

S.No.	PARAMETER	Test Methods	Results	Units
1	Particulate Matter (PM10)	IS:5182 (P-23)	78.3	µg/m³
2	Particulate Matter (PM2.5)	SOP-AAQ/89/01	42.2	µg/m³
3	Sulphur dioxide (as SO2)	IS:5182 (P-2) Improved West & Geake	10.8	µg/m³
4	Nitrogen Dioxide (as NO2)	IS:5182 (P-6)	35.4	µg/m³
5	Carbon Monoxide (as CO)	IS:5182 (P-10) Grab Method	< 1.15	mg/m³
6	Lead (as Pb)	IS:5182 (P-22)	< 0.1	µg/m³
7	Nickel as Ni	SOP-AAQ/89/02	< 15.0	ng/m³
8	Arsenic (as As)	SOP-AAQ/89/03	< 5.0	ng/m³
9	Ozone (as O3)	IS:5182 (P-9) Chemical Method	< 10.0	µg/m³
10	Ammonia (as NH3)	APHA-AIR Indophenol Blue Method	< 20.0	µg/m³
11	Benzene (as C6H6)	IS:5182 (P-11)	< 1.0	µg/m³
12	Benzo (alpha) Pyrene-Particulate Phase only	IS:5182 (P-12)	< 1.0	ng/m³

For EKO PRO ENGINEERS PVT. LTD.



Authorized Signatory



Contact : +91 - 98102436

# EKO PRO ENGINEERS PVT. LTD.

(Analytical Division)  
(An ISO 9001: 2008 Certified Company)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
e-mail: labs@ekopro.in, ekoproengineers@gmail.com, epeplgzb@gmail.com, epeplgzb@yahoo.com, www.ekopro.in,  
Telefax : +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

**Test Report No. :** EK0/EV-AA/110/101114

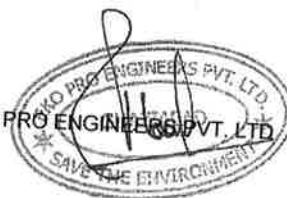
**Notes :**

**Issue Date** 15/11/2014

**\*\*End of Report\*\***

1. The results given above are related to the tested sample, as received & mentioned parameters.  
The customer asked for the above tests only.
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5. Responsibility of the Laboratory is limited to the invoiced amount only.

For EKO PRO ENGINEERS PVT. LTD.



Authorized Signatory

## *Consultant Accreditation*



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

### **CERTIFICATE OF ACCREDITATION**

## **EKO PRO ENGINEERS PRIVATE LIMITED**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2005**

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

32/41, South Side of G.T.Road, Industrial Area, Ghaziabad

in the discipline of

**BIOLOGICAL TESTING**

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

**Certificate Number** T-1419

**Issue Date** 20/11/2012



**Valid Until** 19/11/2014

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Anuja Anand  
Convenor

Anil Relia  
Director

Dr. T. Ramasami  
Chairman



# NABL

## National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

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for its facilities at

32/41, South Side of G.T.Road, Industrial Area, Ghaziabad

in the discipline of

**CHEMICAL TESTING**

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

**Certificate Number** T-1418

**Issue Date** 20/11/2012



**Valid Until** 19/11/2014

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Anuja Anand  
Convenor

Anil Relia  
Director

Dr. T. Ramasami  
Chairman

EKO PRO



Contact : +91 - 9810243870

## EKO PRO ENGINEERS PVT. LTD.

(Analytical Division)

(An ISO 9001: 2008 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
e-mail : email@ekopro.in, eia@ekopro.in, support@ekopro.in, ekoproengineers@gmail.com, www.ekopro.in  
Contact No. : 9818405427, 9711159210, 9711159337, 9871800216, 9711163422, +91-120-2867931, 2867940

National Accreditation Board for Testing and Calibration Laboratories  
Plot- 45, Sector 44,  
Gurgaon - 122002,  
Haryana

14/08/2014

Kind Atten. : Madam Anuja Anand (Accreditation Officer)

Subject: Reassessment of the Laboratory- Eko Pro Engineers Pvt. Ltd.

Madam,

As the Reassessment of the Laboratory- Eko Pro Engineers Pvt. Ltd. is due, we are submitting the application for the same, with the relevant documents and fee (Cheque no. - 000345 dt. 13.08.2014, HDFC Bank).

Kindly do the needful for the same.

Thanking You

Yours faithfully,

For Eko Pro Engineers Pvt. Ltd.

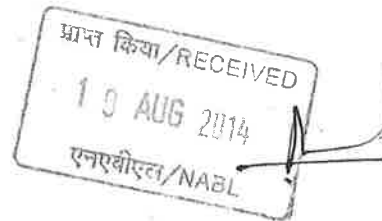
Amit Saxena  
(Quality Manager)  
9810243870

### Enclosures :

Application of three discipline, in triplicate  
Quality Manual - two copies  
Application fee- Rs. 89888/- (Cheque no- 000345)

### List of Annexures:

- Annexure 1 :- Scope of Accreditation
- Annexure 2 :- Authorized Signatory
- Annexure 3 :- Organization Chart
- Annexure 4 :- List of staff
- Annexure 5 :- List of Instruments
- Annexure 6 :- List of CRM
- Annexure 7 :- Details of PT and ILC
- Annexure 8 :- Legal Identity copy (Registration Details)
- Annexure 9 :- Details of Senior Management
- Annexure 10 :- Signed copy of NABL 131



## *Consent to Establish*

24

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

**Regd.A.D.**

**No. HSPCB/2008/TAC-A/ 80/**

**Dated: 11-1-2008**

To

M/S Parsvnath Developers Ltd,  
6<sup>th</sup> Floor, Arunachal Building 19, Barakhamba Road,  
New Delhi -110001

**Sub.: Consent to Establish from pollution Angle.**

Please refer to your 'Consent for Establish' application received in this office on dated 13.11.07 on the subject cited above.

Under the Authority of the Haryana State Pollution Control Board vide its agenda Item No. 47.8 dated 28.4.83 sanction to the issue of 'Consent for Establish' with respect to pollution control of Water and Air is hereby accorded for setting up construction project of **M/S Parsvnath Developers Ltd, Sector 1&1B, 2B, village Dharuhera , District Rewari Haryana for the construction of Plotted residential colony with Total area 112.956 Acres** with the following terms and conditions:-

- 1 The Consent to establish is hereby issued from pollution angle under Water/Air Acts only .
  - 2 **The Project has declared that the quantity of effluent shall be 2176 KL/day i.e 2176 KL/day for domestic effluent and NIL for Cooling process and NIL for trade effluent and the same should not exceed mentioned herein and same should be recycled & used in Horticulture after treatment.**
  - 3 The above "Consent to Establish" is valid for two years from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
  - 4 The unit will obtain consent before commission of the project
  - 5 The officer/official of the Board shall have the right to access and inspection of the project in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery.
  - 6 That necessary arrangement shall be made by the project proponent for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
  - 7 The UHBVN/DHBVN will give only temporary connection and permanent connection to the project/unit will be given by the UHBVN/DHBVN after verifying the consent granted by the Board both under Water Act and Air Act.
  - 8 The project proponent / unit will raise the stack height of DG Set/Boiler as per Board's norms/CPCB norms.
  - 9 That in the case of a project is located in an area is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such project in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.
  - 10 That the project or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution Control Board and Haryana State Pollution Control Board.
- M



**M/S Parsvnath Developers Ltd, Sector 1&1B, 2B, village Dharuhera  
, District Rewari Haryana**

- 11 That the project shall use the treated effluent for horticulture/Green belt and undertaking to recycle the treated effluent and remaining with treatment, if any can be discharged into public sewer and obtain permission of the authority concerned.
- 12 That all the financial dues required under the rules and policies of the Board have been deposited in by the unit for this 'Consent to Establish' and the proof of such deposits is enclosed.
- 13 That the unit will comply with all the Hazardous Waste Rules as applicable relating to Handling, Storage and Disposal as required by Central Pollution Control Board and Haryana State Pollution Control Board GOI.
- 14 Green belt of adequate area (approx 30%) including tree plantation shall be provided by the project before commissioning.
- 15 Project Proponent should adopt water conservation measures to ensure minimum recycling consumption of water in their Process. Ground water based proposals of new projects should get clearance from Central Ground Water Authority for conservation of precious resource.
- 16 This 'Consent for Establish' would be invalid if it is established in the non-conforming area or any area where such activities are prohibited.
- 17 That the unit will take all other clearances from concerned agencies whenever required.
- 18 The above 'Consent for Establish' is further subject to the conditions that the unit comply with all the laws/ rules/ decisions and competent directions of Govt. of India/State Government/ HSPCB in all respects before commissioning of the operation and during its actual working strictly.

**Other specific conditions:**

- 1 **The Project has declared that the quantity of effluent shall be 2176 KL/day i.e 2176 KL/day for domestic effluent and NIL for Cooling process and NIL for trade effluent and the same should not exceed mentioned herein and same should be recycled & used in Horticulture after treatment.**
- 2 The unit will install Sewerage Treatment Plant (STP) of adequate capacity & submit adequacy report from independent expert agency of the Board before the project is commissioned for operation.
- 3 The unit will maintain proper log book of Water meter/sub meter before/after commissioning.
- 4 That there is no discharge directly or indirectly from the project or the process into any interstate river or Yamuna River or River Ghaggar or any other river or either through a direct flow or indirectly without any treatment.
- 5 The unit will use only non-ozone depleting substances in Air conditioning unit of the project.
- 6 That the project shall use the treated effluent for horticulture/Green belt and give undertaking to recycle the treated effluent within 30 days.
- 7 The unit will deposit balance 'Consent for Establish' fee and RO will ensure the same.
- 8 The unit will obtain permission from Forest Deptt. in case any area falls under Forest Area, or section 4/5 of Land Prevention Act & also for cutting of trees, if any before commencing construction of project.
- 9 The unit will not obstruct natural drainage system and obtain permission from Irrigation Deptt in this regard.
- 10 The DG sets used shall conform to EPA Rules & comply with air/noise/standards and should have stack height of minimum 4 meters above the roof top.
- 11 The Solid Waste Generated shall be properly collected and segregated scientifically disposed of as per MSW Rules by using vermiculture composting method etc.

**M/S Parsvnath Developers Ltd, Sector 1&1B, 2B, village Dharuhera ,  
District Rewari Haryana**

- 12 Solar panels shall be provided for illumination of common areas, lighting for gardens and street lights in addition to solar water heating and shall take all energy conservation measures.
- 13 R.O. will file complaint under section 19 read with section 15 of EP Act for past violation of EIA notification immediately, if any, and will submit compliance within 15 days.
- 14 The unit will install all required fire fighting systems of latest technology and ensure that fire fighting system is full proof and all facilities are in house within the premises and also obtain clearance from the concerned authorities in this regard before commissioning of the project.
- 15 The project proponent will submit detailed design of Sewerage Treatment Plant alongwith sizes of various components & hydraulic design within 30 days.
- 16 The unit will obtain environmental clearance from MOEF, GOI before start of construction of the project.
- 17 The unit will provide green belt/ tree plantation in 25-30 %of total area and submit scheme for the same within 30 days.
- 18 Unit will install magnetic flow meter at inlet and outlet of the ETP.
- 19 That the unit will use CFL (Compact fluorescent Lighting) for internal building / campus lighting.
- 20 The unit will use fuel containing less than 2% of sulphur contents for DG set and keep emissions within limit.
- 21 The Board reserves the right to add any additional condition if required in future under national/Govt. of India/State Laws.
- 22 **That the unit will submit an affidavit to comply with all the general as well as specific conditions of the 'Consent to Establish' within 15 days.**

  
**Scientist 'C'-I (HQ)**  
**For Chairman**

**Endst.No.HSPCB/2007/TAC/**

**Dated:**

A copy of the above is forwarded to the following for information and necessary action:

- 1 The Regional Officer, **Dharuhera.**
- 2 Executive Engineer,(OP) Division, DHBVN, **Rewari.**
- 3 Director, Environment Department, Haryana, Sec-17,  
Chandigarh
- 4 Director Town & Country Planning Department , Haryana.
- 5 Secretary, MOEF, CGO Complex, Lodhi Road, New Delhi

  
**Scientist 'C'-I (HQ)**  
**For Chairman**



Regd No 801/11/08  
CLEAN

mps Garguamath Developers Ltd.

6th Floor Arunachal Building 19,

Banarhamba Road,

New Delhi 110011

Haryana State Pollution Control Board  
C-11, Sector 8, Panchkula



## ***CGWA Permission***



स्वच्छ सुरक्षित जल - सुन्दर खुशहाल कल  
CONSERVE WATER - SAVE LIFE

भारत सरकार  
केन्द्रीय भूमि जल प्राधिकरण  
जल संसाधन मंत्रालय

Member Secretary

Government of India  
Central Ground Water Authority  
Ministry of Water Resources

CGWA/IND/Proj/2009- 688

No.21-4(270)/NWR/CGWA/2008- 90

Dated:-

2 JUL 2009

To

M/s Parsvnath Developers Ltd.  
6th Floor, Arunachal Building  
19, Barakambha Road  
New Delhi-110001

Sub: -NOC for ground water withdrawal in respect of M/s Parsvnath Developers Ltd. for their project "Parsvnath City" at Village Dharuhera, Block Rewari, Taluka Dharuhera, District Rewari, Haryana - reg.

Sir,

Kindly refer to your letter no. PDL/Strategic Planning/EIA/788 dated 18-09-2008 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Western Region, Chandigarh vide their office letter No. 4(172)A-HR/Parsavnath/NWR/S&I/2008 -1318 dated 20-05-2009 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **M/s Parsvnath Developers Ltd. for their project "Parsvnath City" at Village Dharuhera, Block Rewari, Taluka Dharuhera, District Rewari, Haryana.** The NOC is, however subject to the following conditions:-

1. The firm may abstract **1189 m<sup>3</sup>/day of ground water for drinking/domestic use only through six (6) proposed tubewells tapping deeper aquifers only.** No new/additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. **The ground water shall not be utilized for construction purpose at any point of time.**
3. The tubewells to be fitted with water meter by the industry at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre-monsoon and post-monsoon periods.
4. **M/s Parsvnath Developers Ltd.** shall in consultation with the Regional Director, Central Ground Water Board, North Western Region, Chandigarh implement ground water recharge measures to the tune

of **133079 m<sup>3</sup>/year (as proposed)** for augmenting the ground water resources of the area. The completion of the artificial recharge structures may be done within six months period from the date of issuance of this letter.

5. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for verification and under intimation to this office.
6. The firm at its own cost shall install piezometers at suitable locations and execute ground water regime monitoring programme in and around the project area on regular basis to keep a close watch on water level trends for taking suitable measures to keep water level under controlled conditions, in consultation with the Central Ground Water Board, North Western Region, Chandigarh.
7. The ground water monitoring data in respect of S. No. 3 & 6 to be submitted to Central Ground Water Board, North Western Region, Chandigarh on regular basis at least once in a year.
8. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.
9. Action taken report in respect of S. No. 1 to 8 may be submitted to CGWA within one year period.
10. The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 9.
11. This approval is valid for two years from date of issuance of this letter. Upon review of status of compliance of the above conditions after two years, decision for revalidation of approval will be conveyed accordingly.

Yours faithfully

  
**Member Secretary**

**Copy for information to:**

1. The Secretary, State Expert Appraisal Committee Cum Joint Director, Environment Department, IA Division, SCO No. 1-2-3, 2nd Floor, Sector 17 D, Chandigarh. This has reference to your letter no. DEH/08/SEAC/222 dated 18-08-2008.
2. The Regional Director, CGWB, North Western Region, Chandigarh. This has reference to your letter No. 4(172)A-HR/Parsavnath/NWR/S&I/2008 -1318 dated 20-05-2009.
3. The TS to Chairman, CGWB, NH-IV, Faridabad.

  
**Member Secretary**

Ref: PDL/Strategic Planning/EIA/2447

Date: 23/04/2012

**The Member Secretary**

Government of India  
Central Ground Water Authority  
Ministry of Water Resources  
West Block-II, Wing-3 (Ground Floor),  
Sector-1, R. K. Puram,  
New Delhi – 110 066

**Subject: Renewal of NOC for Ground Water withdrawal in respect of our proposed project  
“Parsvnath City” at Village Dharuhera, District Rewari, Haryana.**

**Ref: 21-4 (270)/NWR/CGWA/2008-90 dated 02/07/2009**

Sir,

This has the reference to the above mentioned NOC letter, where in we had been provided the permission for Ground Water abstraction for our infrastructure project mentioned under subject. The NOC was issued with its validity up to 01/07/2011. In this regard we would like to request you to kindly revalidate our NOC for next two years.

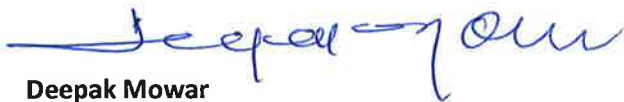
Further, we would like to ensure that the firm will comply all the conditions laid down in NOC after completion of the project.

It is once again requested please to revalidate our NOC for next two years so that we can pursue for release of other related consents from various departments.

We hope that the authority will consider our case and will provide us an extension at the earliest.

Thanking you,

Yours faithfully,  
**For Parsvnath Developers Ltd.**



**Deepak Mowar**  
(Authorized signatory)

Encl: Copy of previous NOC.

CONSERVE WATER SAVE LIFE

भारत सरकार

केंद्रीय भूमि जल प्राधिकरण  
जल संसाधन मंत्रालय

Government of India  
Central Ground Water Authority  
Ministry of Water Resources

Member Secretary

CGWA/IND/Troj/2009- 688

No.21-4(270)/NWR/CGWA/2008- 70

Dated:-

2 July 2009

To

M/s Parsvnath Developers Ltd.  
6th Floor, Arunachal Building  
19, Barakamba Road  
New Delhi-110001

Sub: -NOC for ground water withdrawal in respect of M/s Parsvnath Developers Ltd. for their project "Parsvnath City" at Village Dharuhera, Block Rewari, Taluka Dharuhera, District Rewari, Haryana - reg.

Sr.

Kindly refer to your letter no. PDL/Strategic Planning/EIA/788 dated 18-09-2008 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Western Region, Chandigarh vide their office letter No. 4(172)A-HR/Parsavnath/NWR/S&I/2008 -1318 dated 20-05-2009 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to **M/s Parsvnath Developers Ltd. for their project "Parsvnath City" at Village Dharuhera, Block Rewari, Taluka Dharuhera, District Rewari, Haryana.** The NOC is, however subject to the following conditions:-

1. The firm may abstract **1189 m<sup>3</sup>/day of ground water for drinking/domestic use only through six (6) proposed tubewells tapping deeper aquifers** only. No new/additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. **The ground water shall not be utilized for construction purpose at any point of time.**
3. The tubewells to be fitted with water meter by the industry at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre-monsoon and post-monsoon periods.
4. **M/s Parsvnath Developers Ltd.** shall in consultation with the Regional Director, Central Ground Water Board, North Western Region, Chandigarh implement ground water recharge measures to the tune



## *Site Photographs*















