



ESSEL HOUSING PROJECTS PVT. LTD.

**SPEED POST**

Date: 1.06.2017

**The Director(s),  
Northern Regional Office  
Ministry of Environmental & Forests,  
Bays No. 24-25, Sector -31A  
Dakhsin Marg,  
Chandigarh – 160030**

**Sub:** Submission of six monthly compliance Report ending May, 2017, in respect of stipulated Environmental Conditions for “Essel Tower” Group Housing complex at village sukhrali & Sarhaura, Sector – 28, Gurgaon, Haryana.

**Ref:** Environmental Clearance letter No. SEIAA/HR/2013/950 DT. 15.10.2013

**Sir,**

In reference of above referred “EC” dt. 15.10.2013, the six monthly compliance report ending May, 2017, of stipulated Environmental Condition in respect of Essel Tower at sector – 28A, Gurgaon are as under.

**PART –A**

**SPECIFIC CONDITIONS:**

**CONSTRUCTION PHASE:**

Page 1 of 12

SP GALLERIA PH 4 <122009>

EH583705959114

Counter No:1,DP-Code:03

To:DIRECTOR,N R O

CHAN, PIN:160017

From:ESSAL HOUSING PROJECT , GRG

Wt:110grams,

Ant:48.00 ,13/06/2017 ,10:31

Taxes:Rs.6.00<Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)>>

भारतीय डाक



India Post

SP GALLERIA PH 4 <122009>

EH583705945114

Counter No:1,DP-Code:03

To:ADJL DIRECTOR,M E F GOI

DELHI, PIN:110001

From:ESSAL HOUSING PROJECT , GRG

Wt:110grams,

Ant:29.00 ,13/06/2017 ,10:32

Taxes:Rs.4.00<Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)>>

भारतीय डाक



India Post

SP GALLERIA PH 4 <122009>

EH583705928114

Counter No:1,DP-Code:03

To:MEMBER SECRETRY,H S P C B

PANCHKULA, PIN:134109

From:ESSAL HOUSING PROJECT , GRG

Wt:110grams,

Ant:46.00 ,13/06/2017 ,10:30

Taxes:Rs.6.00<Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)>>

भारतीय डाक



India Post

SP GALLERIA PH 4 <122009>

EH583705914114

Counter No:1,DP-Code:03

To:MEMBER SECRETRY,H S P C B

PAN, PIN:134109

From:ESSAL HOUSING PROJECT , GRG

Wt:110grams,

Ant:46.00 ,13/06/2017 ,10:31

Taxes:Rs.6.00<Track on [www.indiapost.gov.in](http://www.indiapost.gov.in)>>

भारतीय डाक



India Post

S.NO.	CONDITIONS	REPLY
1.	"Consent for Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.	CTE obtained. Copy submitted vide our letter dt. 20.12.2015.
2.	A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.	First Aid Room Provided.
3.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	Adequate drinking water and sanitary facilities are provided for construction workers at site. No labour camp provided at site. Labour comes daily from their homes and return back in evening. No open defecation by the labours are allowed. Proper arrangement of safe disposal of waste water and solid wastes are ensured.
4.	All the topsoil excavated during construction activities should be stored for used in horticulture / landscape development within the project site.	Topsoil excavation will be used in Horticulture work.
5.	The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighbouring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people. Only in approved sites with the approval of competent authority.	The building material required are being stored within project area duly covered with polythenes. It is being ensured that disposal of construction waste should not create any adverse effect on the neighbouring communities and is being disposed off after talking necessary precautions for general safety and health on approved site. The trucks are being covered with tarpolines.

6.	Construction spoils, including bituminous material and other hazardous material, must not be allowed to contaminate watercourse and the dump sites for such material must be secured so that they should not leach into 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.	<b>This condition is being complied fully. Contamination of water courses is strictly not allowed. The result of test report of Ground Water is in order. For Hazardous waste disposal, approved agency M/s Shruti Petrochem Industries.</b>
7.	The diesel generator sets to be used during construction phase should be of ultra-low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	<b>Ultra low Sulphur diesel will be use in D.G. Sets.</b>
8.	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.	<b>Diesel storage facility at site is not required. As and when diesel will required, the same will be brought from nearby petrol pump.</b>
9.	Ambient noise levels should conform to the 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 taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated residential standards.	<b>Ambient noise levels are confirming to residential standards during day and night time. Ambient air and noise qualities are being monitored and test results are in order.</b>
10.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended	<b>Fly ash bricks are being used.</b>

	on 27 <sup>th</sup> Aug, 2003.	
11.	Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.	<b>Storm water is being reused in construction.</b>
12.	Water demand during construction should be reduced by use of premixed concrete, curing agents and other best practices.	<b>Premixed concrete and curing agents are being used to reduce water demand.</b>
13.	In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC form CGWA specifying water extraction quantities and assurances from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non – potable. Assurances is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MoEF, Chandigarh before the start of construction.	<b>No ground water will be abstracted as such NOC from CGWA is not required. For construction only treated water received from our STP at Suncity Township is being used. For operation, only HUDA water will be use.</b>
14.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	<b>Bricks coba shall be provided on Roof.</b>
15.	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 desirable for non-air- conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	<b>There will not be any Air conditioned space. However thermal insulation material will be use to full fill the requirement.</b>
16.	The approval of the competent	<b>The copy of structural stability</b>

	<p>authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire 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 obtained from the competent Authority.</p>	<p>certificate was submitted vide our letter dated 20.12.2015. There is no forest land is involve in this project site.</p>
17.	<p>Over exploited groundwater and impending severe shortage of water supply in region requires the developer to redraw the water and energy conservation plan Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency/ savings measures as well as water reuse/ recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MoEF, GOI, Chandigarh.</p>	<p><b>All measures of water conservation are being taken.</b></p>
18.	<p>The project proponent as stated in the proposal shall construct 04 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.</p>	<p><b>This condition will be comply fully.</b></p>
19.	<p>The project proponent shall provide for adequate fire safety measures and equipments as required by</p>	<p><b>Adequate Fire Safety measures are being taken. Nearby Fire Station have already been intimated.</b></p>

	Haryana Fire Services Act, 2009 and instructions issued by the local Authority/ Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/ NOC from competent Authority as required.	
20.	The project proponent shall obtain assurance from the DHBVN for supply of 1602.48 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.	<b>Permission from DHBVN have already been taken.</b>
21.	Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.	<b>Detail calculation shall be made available in due course of time.</b>
22.	The project Proponent shall not raise any construction in the natural land depression / Nallah/ water course and shall ensure that the natural flow from the Nallah/ water course is not obstructed.	<b>We will not raise any construction in natural land depression/ Nallah/ Water course and will ensure natural flow from Nallah/ water course.</b>
23.	The Project Proponent shall keep the Plinth level of the building blocks sufficiently above the level of the approach road to the Project as per prescribed by-laws. Levels of the other areas in the Projects shall be kept suitably so as to avoid flooding.	<b>The plinth level of the building blocks is sufficient above the approach road.</b>
24.	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country	<b>Due to construction of this project destiny of population will not exceed from the norms of DGTC, Haryana.</b>

	Department Haryana.	
25.	The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.	<b>Affidavit was submitted to SEIAA vide our letter Dt. 29.10.2013.</b>
26.	The Project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.	<b>There is no tree at project site.</b>
27.	The Project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.	<b>3 meter high barricade around the project site is provided. All stored material are being covered with polythene sheets.</b>
28.	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	<b>Sedimentations basin shall be provided.</b>
29.	The project proponent shall provide proper Rasta of proper width and proper strength for each project before the start of construction.	<b>Proper rasta of proper width and strength is provided.</b>
30.	The project proponent shall ensure that the U-value of the glass is less than 30177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.	<b>The prescribed U-Values will be ensure.</b>
31.	The project proponent shall adequately control construction dusts like silica dust, non-silica dust, wood dust, Such Dusts shall not spread outside project premises. Project proponent shall provide respiratory protective equipment to all construction workers.	<b>Masks are provided to the Labourers. However all precautions are taken to control construction dusts.</b>
32.	The project proponent shall ensure	<b>The Plinth level is sufficiently above</b>



	that the plinth level of the building block to be 105 meter above 100 years flood level of the said Najafgarh Jheel.	the HFL.
33.	The project proponent shall obtain NOC from HUDA as well as Irrigation Department before the start of construction, regarding possible adverse effect of project proposal on the said Nazafgarh Jheel.	<b>Due to this residential project, there is no adverse effect on Nazafgarh Jheel, as no effluent will be dispose off in any drain.</b>
34.	The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain water recharge arrangements, Strom Water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/ flats thereafter.	<b>We will provide all infrastructure work.</b>
35.	The project proponent shall provide one refuse area till 24 meter, one till 39 meter and one after every 15 meter as per National Building Code.	<b>Refuse area shall be provided as per NBC.</b>
36.	The project proponent shall provide fire Control room and fire officer for building above 30 meter as per National Building Code.	<b>Fire room and Fire Officers shall be provided.</b>
37.	The project proponent shall obtain permission on Mines and Geology Department for excavation of soil before the start of construction.	<b>Permission for Mines and Geology Department is enclosed.</b>
38.	The project proponent shall seek specific prior approval from concerned local Authority/ HUDA regarding provision of storm drainage and sewerage system including their	<b>Services plans have already been approved by HUDA.</b>

	integration with external services of HUDA/ Local Authorities beside other required services before taking up any construction activity.	
39.	The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the Authority within one month.	<b>The location of Solid waste management have already been earmarked on layout plan.</b>
40.	The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly.	<b>Noted for compliance, if required.</b>
41.	The project proponent shall submit revised water calculation @ 5 persons for EWS and revised water balance diagram before the start of construction.	<b>Submitted to SEIAA.</b>

**PART –B. GENERAL CONDITIONS:**

i)	The project Proponent shall ensure the commitments made in Form-1, Form -1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environment safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally on the point shall be taken as commitment by project proponent.	<b>Noted for compliance.</b>
ii)	Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MoEF, GOI, Northern Region, Chandigarh and a copy to the SEIAA, Haryana.	<b>Six monthly compliance report of stipulated Environmental conditions are being submitted to all concern.</b>
iii)	STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt	<b>Noted for compliance.</b>

	shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measures, if required, without delay.	
iv)	The SEIAA, Haryana reserve the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserve the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/ MoEF.	<b>Noted Please.</b>
v)	The Project proponent shall not violate any judicial orders/ pronouncements issued by any Court/ Tribunal.	<b>Noted Please.</b>
vi)	All other statutory clearance such as the approvals for storage of diesel from chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.	<b>NOC for storage of Diesel is not regarded from Chief Controller of Explosives because we will not store diesel at project site. As an when diesel will required the same will be brought from nearby Petrol pump. Copy of NOC, for Fire Department, Civil Aviation DFO, were submitted vide our letter dt. 20.12.2015</b>
vii)	The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the	<b>Advertised in "DAINIK BHASKAR" and "THE TRIBUNE" on 30.10.2013</b>

	region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environmental Clearance conditions shall also be put on project proponent's web site for public awareness.	The copy of advertisement were submitted to SEIAA vide our letter dt. 31.10.2013.
viii)	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environment Clearance.	The construction was started after obtaining, EC and CTE.
ix)	Any appeal against the this Environmental Clearance shall lie with the National Green Tribunal, if preferred, Within a period of 30 days as prescribed Under section 16 of the National Green Tribunal Act, 2010.	Noted Please.
x)	The project proponent shall put in place Corporate Environmental Policy as mentioned in MoEF, Gol OM No. J-11013/41/2006-IA II (I) dated 26.04.2012 within 3 months period. Latest Corporate Environmental Policy should be submitted to SEIAA within 3 months of issuance of this letter.	Noted for compliance in due course of time.
xi)	The ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/ RO MoEF Gol under rules prescribed for Environment Audit.	Noted for compliance.
xii)	The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O. 121/PA2/1900/S.4/97 dated 28.11.1997.	Noted for compliance.
xiii)	The project proponent shall ensure that no vehicle during construction / operation phase enter the project premises without valid "Pollution Under Control" certificate from competent Authority.	It has been ensure that no vehicle enter the project site without "PUC" certificate from competent Authority.
xiv)	The project proponent is responsible for	Noted Please.

	compliance of all conditions in Environmental Clearance letter and project proponent cannot absolve himself/ herself of the responsibility by shifting it to any contractor engaged by project proponent.	
xv)	The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.	<b>Noted please</b>
xvi)	Besides the developer/ applicant, the responsibility ensure the compliance of Environmental safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the license/ licenses in whose name/ names the license/ CLU has been granted by the Town & Country Planning Department, Haryana.	<b>Noted Please</b>

Thanking you,

Yours faithfully,

For M/s Essel Housing Projects Pvt. Ltd.

  
Authorized Signatory

 Encl: Copy of test reports & soft copy.

- CC: 1. The Additional Director (IA Division), Ministry of Environment & Forests, GOI, Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110003.**
- 2. The Member Secretary, Haryana State Pollution Control Board, Sector – 6, Panchkula – 134109.**
- 3. The Member Secretary, SEIAA, Bays No. 55-58, Paryatan Bhawan, Sector -2, Panchkula – 134151.**



Contact : +91 - 9810243870

# EKO PRO ENGINEERS PVT. LTD.

Environmental Consultants and Analytical Laboratory

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Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
 Contact No. : 9711159210, 9711159427 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

## TEST REPORT

### Water Sample Analysis

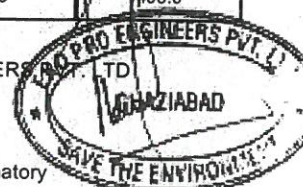
Test Report No. : EK0/EV-WA/101/210417 Issue Date 26/04/2017  
 Issued To PLATINUM TOWER  
 SECTOR- 28  
 GURGAON  
 HARYANA

Sample Description Ground Water  
 Sample Drawn on 20/04/2017  
 Sample Drawn by EPEPL (Mr. Harish Kumar)  
 Sample Received on 21/04/2017  
 Sampling Location Near Project Site  
 Sampling Plan & Procedure SOP-W/66  
 Sample Quantity 3.0 Litre  
 Environmental Condition Normal  
 Analysis Duration 21/04/2017 To 25/04/2017  
 Remark (if any) NA

## RESULTS

S.No.	PARAMETER	Test Methods	Result	Units	IS: 10500 : 2012 (Limits)*	
					Acceptable	Permissible
1	Colour	IS : 3025 (P-4)	<5.0	Hazen	5.0	15.0
2	Odour	IS : 3025 (P-5)	Agreeable	-	Agreeable	Agreeable
3	Taste	IS : 3025 (P-7)	Agreeable	-	Agreeable	Agreeable
4	Turbidity	IS : 3025 (P-10)	<1.0	NTU	1.0	5.0
5	pH	IS : 3025 (P-11)	7.48	-	6.5-8.5	No relaxation
6	Total Hardness (as CaCO <sub>3</sub> )	IS : 3025 (P-21)	236.0	mg/L	200.0	600.0
7	Calcium (as Ca)	IS : 3025 (P-40)	65.8	mg/L	75.0	200.0
8	Iron (as Fe)	IS : 3025 (P-53)	<0.1	mg/L	0.3	No relaxation
9	Chloride (as Cl)	IS : 3025 (P-32)	60.2	mg/L	250.0	1000.0
10	Residual Free Chlorine	IS : 3025 (P-26)	<0.2	mg/L	0.2	1.0
11	Fluoride (as F)	IS : 3025 (P-60)	<1.0	mg/L	1.0	1.5
12	Total Dissolved Solids	IS : 3025 (P-16)	552.0	mg/L	500.0	2000.0
13	Magnesium (as Mg)	IS : 3025 (P-46)	17.5	mg/L	30.0	100.0
14	Copper (as Cu)	IS : 3025 (P-42)	<0.01	mg/L	0.05	1.5
15	Manganese (as Mn)	IS : 3025 (P-59)	<0.1	mg/L	0.1	0.3
16	Sulphate (as SO <sub>4</sub> )	IS : 3025 (P-24)	76.2	mg/L	200.0	400.0

For EKO PRO ENGINEERS



Authorized Signatory



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 Contact No. : 9711159210, 9711159427 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in

Test Report No. : EKO/EV-WA/101/210417

Issue Date 26/04/2017

S.No.	PARAMETER	Test Methods	Result	Units	IS : 10500 : 2012 (Limits)*	
					Acceptable	Permissible
17	Nitrate (as NO <sub>3</sub> )	IS : 3025 (P-34)	6.48	mg/L	45.0	No relaxation
18	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	IS : 3025 (P-43)	<0.001	mg/L	0.001	0.002
19	Mercury (as Hg)	IS : 3025 (P-48)	<0.001	mg/L	0.001	No relaxation
20	Selenium (as Se)	IS : 3025 (P-56)	<0.005	mg/L	0.01	No relaxation
21	Arsenic (as As)	IS : 3025 (P-37)	<0.005	mg/L	0.01	0.05
22	Cyanide (as CN)	APHA 4500 CN 22nd Ed.	Absent	mg/L	0.05	No relaxation
23	Lead (as Pb)	IS : 3025 (P-47)	<0.005	mg/L	0.01	No relaxation
24	Zinc (as Zn)	IS : 3025 (P-49)	<0.05	mg/L	5.0	15.0
25	Total Chromium (as Cr)	IS : 3025 (P-52)	<0.01	mg/L	0.05	No relaxation
26	Total Alkalinity (as CaCO <sub>3</sub> )	IS : 3025 (P-23)	312.0	mg/L	200.0	600.0
27	Aluminium (as Al)	APHA 3125 B 22nd Ed.	<0.01	mg/L	0.03	0.2
28	Boron (as B)	IS : 3025 (P-57)	<0.25	mg/L	0.5	1.0
29	Cadmium (as Cd)	IS : 3025 (P-41)	<0.001	mg/L	0.003	No relaxation
30	Anionic Detergents (as MBAS)	APHA 5540	<0.05	mg/L	0.2	1.0

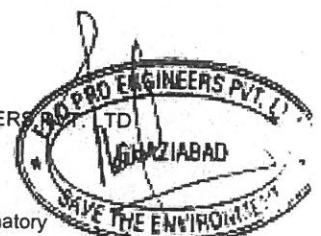
\* For details pl see IS : 10500-2012.

**Notes :**

**\*\*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.
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.

For EKO PRO ENGINEERS PVT. LTD.



Authorized Signatory



Contact : +91 - 9810243870

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## TEST REPORT

### Water Sample Analysis

**Test Report No. :** EK0/EV-WA/102/210417 **Issue Date** 26/04/2017  
**Issued To** PLATINUM TOWER  
 SECTOR- 28  
 GURGAON  
 HARYANA

**Sample Description** Ground Water  
**Sample Drawn on** 20/04/2017  
**Sample Drawn by** EPEPL (Mr. Harish Kumar)  
**Sample Received on** 21/04/2017  
**Sampling Location** Near Project Site  
**Sampling Plan & Procedure** SOP-W/66  
**Sample Quantity** 500 ml  
**Environmental Condition** Normal  
**Analysis Duration** 21/04/2017 To 25/04/2017  
**Remark (if any)** NA

## RESULTS

S.No.	PARAMETER	Test Methods	Result	Units	IS: 10500 : 2012 (Limits)*	
					Acceptable	Permissible
1	Total Coliform	IS : 1622 : 1981	< 2	MPN/100 mL	Shall not be detectable in 100ml sample	-
2	E.coli	IS : 1622 : 1981	Absent	Per 100 mL	Shall not be detectable in 100ml sample	-

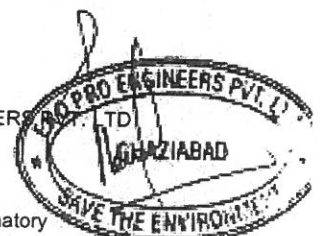
\* For details pl see IS : 10500-2012.

#### Notes :

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For EKO PRO ENGINEERS PVT. LTD.



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**EKO PRO ENGINEERS PVT. LTD.**

Environmental Consultants and Analytical Laboratory

(An ISO 9001:2008 Certified Company)

Office & Laboratory : 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.  
Contact No. : 9711159210, 9711159427 E-mail : email@ekopro.in, ekoproengineers@gmail.com, website : www.ekopro.in**TEST REPORT****Ambient Air Quality Monitoring**

Test Report No. : EK0/EV-AA/101/210417 Issue Date 26/04/2017  
Issued To PLATINUM TOWER  
SECTOR- 28  
GURGAON  
HARYANA

Sample Description Ambient Air  
Sample Drawn on 20/04/2017 To 21/04/2017  
Sample Drawn by EPEPL (Mr. Harish Kumar)  
Sample Received on 21/04/2017  
Sampling Location Near Main Gate  
Sampling Plan & Procedure SOP-AAQ/15  
Analysis Duration 21/04/2017 To 25/04/2017  
Sampling Time 24 Hrs.  
Ambient Temperature (deg °C) 37.0  
Average Flow Rate of SPM (m<sup>3</sup>/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	Limits as per EPA*
1	Particulate Matter (PM10)	IS:5182 (P-23)	219.2	µg/m <sup>3</sup>	100.0
2	Particulate Matter (PM2.5)	SOP-AAQ/89/01	104.5	µg/m <sup>3</sup>	60.0
3	Sulphur dioxide (as SO <sub>2</sub> )	IS:5182 (P-2)	12.8	µg/m <sup>3</sup>	80.0
4	Nitrogen Dioxide (as NO <sub>2</sub> )	IS:5182 (P-6)	26.7	µg/m <sup>3</sup>	80.0
5	Carbon Monoxide (as CO)	IS:5182 (P-10) Grab Method	<1.15	mg/m <sup>3</sup>	4.0
6	Lead (as Pb)	IS:5182 (P-22)	<0.1	µg/m <sup>3</sup>	1.0

\*Details as per EPA-1986 National Ambient Air Quality Standards, date 18.11.2009

**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 use 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.

\*\*End of Report\*\*

For EKO PRO ENGINEERS PVT. LTD. GHAZIABAD





Contact : +91 - 9810243870

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## TEST REPORT Soil Sample Analysis

Test Report No. : EK0/EV-S0/101/210417 Issue Date 26/04/2017  
 Issued To PLATINUM TOWER  
 SECTOR- 28  
 GURGAON  
 HARYANA

Sample Description Soil Sample  
 Sample Drawn on 20/04/2017  
 Sample Drawn by EPEPL (Mr. Harish Kumar)  
 Sample Received on 21/04/2017  
 Sampling Location Project Site  
 Sampling Plan & Procedure SOP-S/50  
 Sample Quantity 500 gm  
 Environmental Condition Normal  
 Analysis Duration 21/04/2017 To 25/04/2017  
 Remark (if any) NA

### RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH (1 : 2.5 Suspension)	IS : 2720 (P-26)	7.32	-
2	Colour	SOP-S/92/14	Brown	-
3	Chloride (as Cl <sup>-</sup> )	SOP - S/96/06	129.6	mg/kg
4	Calcium Exchangeable (as Ca)	Ministry of Agriculture Manual 2011	1638.2	mg/kg
5	Sodium Available (as Na)	SOP-S/96/13	146.4	mg/kg
6	Potassium Available (as K)	Ministry of Agriculture Manual 2011	182.7	mg/kg
7	Organic Matter	IS : 2720 (P-22)	0.65	% by mass
8	Magnesium Exchangeable (as Mg)	Ministry of Agriculture Manual 2011	284.6	mg/kg
9	Total Kjehldal Nitrogen	Ministry of Agriculture Manual 2011	1954.2	mg/kg
10	Phosphours (as P)	SOP - S/96/13	72.8	mg/kg
11	Bicarbonate	SOP-S/92/17	139.4	mg/kg
12	Sulphate (as SO <sub>4</sub> )	IS : 2720 (P-27)	317.6	mg/kg
13	Moisture content	IS : 2720 (P-2)	0.102	% by mass
14	Nitrate (as NO <sub>3</sub> )	IS 14684:1999	24.8	mg/kg

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Test Report No. : EK0/EV-S0/101/210417

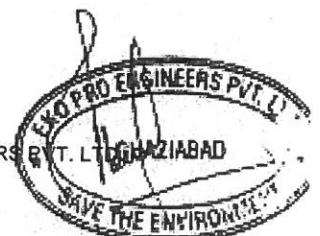
Issue Date 26/04/2017

**Notes :**

\*\*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.
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 use 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/105/210417  
Issued To : PLATINUM TOWER  
SECTOR- 28  
GURGAON  
HARYANA  
Issue Date : 24/04/2017

Sample Description : Ambient Noise  
Sample Drawn on : 20/04/2017 To 21/04/2017  
Sample Drawn by : EPEPL (Mr. Harish Kumar)  
Sample Received on : 21/04/2017  
Sampling Location : Near Main Gate  
Sampling Plan & Procedure : SOP-N/01  
Environmental Condition : Normal  
Analysis Duration : 21/04/2017 To 22/04/2017  
Remark (if any) : NA

### RESULTS

S.No.	PARAMETER	Test Methods	Results	Units	LIMITS AS PER EPA *
1	L Day	SOP-N/94/01	60.8	dB (A)	65.0
2	L Night	SOP-N/94/01	48.2	dB (A)	55.0

\* Details as per EPA -1986 Ambient Noise Quality Standards, Schedule-III, (Rule-3)

#### Notes :

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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. Responsibility of the Laboratory is limited to the invoiced amount only.

\*\*End of Report\*\*

For EKO PRO ENGINEERS PVT. LTD.



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