by SPeed Pass



ENGINEERING DEPARTMENT (NORTH CAMPUS) UNIVERSITY OF DELHI

DELHI - 110007

PHONE: 27667157, 27667725-EXT.1700-1705

FAX NO: 911 - 27666007

REF. NO. UE/] S]9

/DU/ C-328

(2013-14)

DATED: 19.09.2013

The Secretary
Delhi Pollution Control Committee
4th floor, ISBT building
Kashmere Gate
Delhi-110006

Sub: Development of Infrastructure facilities for Institutional buildings at Delhi University - Submission of periodic Environmental monitoring reports-Construction phase.

Dear Sir,

With reference to the SEIAA approval letter No. F.No. 82/DPCC/SEIAA-SEAC/10/2545-2549 dt. 16.03.2012, enclosed please find herewith the original copies of Environmental Monitoring Reports (23 sheets) for the environment monitoring conducted at respective construction sites of Institutional buildings project for the period June 2013 to August 2013, which has been conducted by M/s EKO Pro Engineers Pvt. Ltd. accredited and MoEF approved lab and in-line with DPCC requirement.

Thanking you,

Yours faithfully

University Engineer

Encl: Environmental Monitoring Reports (23 Sheets)

Copy to:

1. Advisor (Infrastructure) for information please.

2. Dean, (Works) for information please.

3. Site Incharge, M/s EIL for information & necessary action please.

University Engineer

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Than 109

EIL/Infra/DU/Inst./278 Dated: 17.09.2013

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Annexure- A

SL. No	Location	Report Code	Report Title	
1.	Examination building	40030081309		
2.	Chemistry building	40030081308	Amalaiant Ain Analysis	
3.	Botany building	40031081305	Ambient Air Analysis Report	
4.	Art & Social Science building	40031081306	Keport	
5	Dhaka Labour Camp	40031081307		
6	Chemistry building	30031081306		
7.	Art & Social Science building	30031081308		
8.	Dhaka Labour Camp (62.5 KVA DG Set)	30031081307	Stack Emission Analysis Report	
9.	Dhaka Labour Camp (125 KVA DG Set)	30031081309		
10.	Chemistry building	110002091322		
11.	Botany building	110002091321	- Illumination	
12.	Examination building	110002091323	— Monitoring Report	
13.	Art & Social Science building	110002091325	_ Worldonlig Report	
14.	Dhaka Labour Camp	110002091324		
15.	Chemistry building-Ambient Noise	70030081322		
16.	Chemistry building-DG Noise	70031081311		
17.	Botany building-Ambient Noise	70031081306		
18	Examination building	70030081323		
19.	Art & Social Science building DG Noise	70031081310	Noise Monitoring	
20.	Art & Social Science building - Ambient Noise	70031081307	Report	
21.	Dhaka Labour Camp	70031081308		
22.	Dhaka Labour Camp-DG Noise (62.5 KVA)	70031081309		
23.	Dhaka Labour Camp- DG Noise (125 KVA)	70031081312		

SHAILENDER)



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Office & Laboratory: 30741, South Side of G. T. Road, UPSHO Industrial Area, Ghaziabad - 201 009, UP, INDIA. e-majt tabs@ckepro.in, ckeproengineers@gnait.com, epeptgzb@gmait.com, epeptgzb@yahoo.com, www.ekopro.in, Totofax: +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

	TEST REPORT	
	Ambient Air Quality Analysis	
Report Code: 40030081309		Issue Date : 04/09/2013
ssued To	: UNITY INFRAPROJECTS LTD.	•
	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	~
roject Name	: Delhi university north campus, Delhi	
Sample Description	: Ambient Air	•
Sample Drawn on	: 29/08/2013 To 30/08/2013	
Sample Drawn By	: EPEPL (Mr. Alok)	
Sample Received on	: 30/08/2013	
Sampling Location	: Near Examination Building	
Sampling Plan & Procedure	: SOP-AAQ/15	
Analysis Duration	: 30/08/2013 To 03/09/2013	
Sampling Time	: 24 Hrs.	
Ambient Temperature (deg°C)	: 32.0	
Average Flow Rate of SPM (m³/min.)	: 1.1	
Average Flow Rate of Gases (lpm.)	: 1.0	
Neather Conditions	: Clear	
	RESULTS	

		a grad day on the b		
3.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	142.6	μg/m ³
2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	62.5	μg/m³
3	Sulphur dioxide (as SO ₂)	IS: 5182 (P-2) Improved West & Geake	13.6	μg/m³
4	Nitrogen dioxide (as NO _x)	IS: 5182 (P-6)	29.6	μg/m³
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m³
	Grab Sampling			3
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 O_3)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
•	,	APHA - AIR Indophenol Blue Method	< 20.0	µg/m³
10	Ammonia (as NH ₃)		< 1.0	µg/m³
11	Benzene (as C ₆ H ₆)	IS : 5182 (P-11)		
12	Benzo (α) Pyrine-Particulate Phase only	IS: 5182 (P-12)	< 1.0	ng/m³
	Orny			**Fnd of Repor

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- 4. The 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.



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TEST REPORT

*************************	IEST KEPUKI	
	Ambient Air Quality Analysis	***************************************
Report Code: 40030081308		Inque Deta : 04/00/00 to
Issued To	: UNITY INFRAPROJECTS LTD.	Issue Date : 04/09/2013
•	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	
Project Name	: Delhi university north campus, Delhi	
Sample Description	: Ambient Air	
Sample Drawn on	: 29/08/2013 To 30/08/2013	
Sample Drawn By	: EPEPL (Mr. Alok)	
Sample Received on	: 30/08/2013	
Sampling Location	: Near Chemistry Building	
Sampling Plan & Procedure	: SOP-AAQ/15	
Analysis Duration	: 30/08/2013 To 03/09/2013	
Sampling Time	: 24 Hrs.	
Ambient Temperature (deg°C)	: 32.0	

RESULTS

: 1.1

: 1.0

: Clear

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	119.4	μg/m ³
2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	71.4	μg/m³
3	Sulphur dioxide (as SO ₂)	IS : 5182 (P-2) Improved West & Geake	12.4	μg/m³
4	Nitrogen dioxide (as NO _x)	IS: 5182 (P-6)	29.4	µg/m³
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m ³
	Grab Sampling	` ,		g
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 O ₃)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
10	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	µg/m³
11	Benzene (as C ₆ H ₆)	IS : 5182 (P-11)	< 1.0	μg/m³
12	Benzo (α) Pyrine-Particulate Phase only	IS : 5182 (P-12)	< 1.0	ng/m³ _.

End of Report

Notes :

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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Average Flow Rate of SPM (m³/min.)

Average Flow Rate of Gases (Ipm.)

Weather Conditions

- 4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.
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Telefax:: +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

	TEST REPORT	
	Ambient Air Quality Analysis	
Report Code: 40031081305		Inque Data - OFICE ISS
ssued To	: UNITY INFRAPROJECTS LTD.	Issue Date : 05/09/2013
	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	
Project Name	: Delhi university north campus, Delhi	
Sample Description	: Ambient Air	
Sample Drawn on	: 30/08/2013 To 31/08/2013	
Sample Drawn By	: EPEPL (Mr. Anuj)	
Sample Received on	: 31/08/2013	
Sampling Location	: Near Botany Building	
Sampling Plan & Procedure	: SOP-AAQ/15	
Analysis Duration	: 31/08/2013 To 04/09/2013	
Sampling Time	: 24 Hrs.	
Ambient Temperature (deg°C)	: 31.0	·
Average Flow Rate of SPM (m³/min.)	: 1.1	
Average Flow Rate of Gases (lpm.)	: 1.0	

RESULTS

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	139.3	μg/m ³
2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	68.6	μg/m³
3	Sulphur dioxide (as SO ₂)	IS: 5182 (P-2) Improved West & Geake	14.3	μg/m³
4	Nitrogen dioxide (as NO _x)	IS : 5182 (P-6)	25.2	µg/m³
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m ³
	Grab Sampling			3
6	Lead (as Pb)	IS: 5182 (P-22)	< 0.1	μg/m³
7	Nickel (as Ni)	SOP-AAQ/89/02	< 15.0	ng/m ³
8	Arsenic (as As)	SOP-AAQ/89/03	< 5.0	ng/m³
9	Ozone (as O ₃)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
10	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	μg/m³
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	< 1.0	µg/m³
12	Benzo (α) Pyrine-Particulate Phase only	IS : 5182 (P-12)	< 1.0	ng/m³

End of Report

Notes :

Weather Conditions

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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TEST REPORT Ambient Air Quality Analysis

leport Code: 40031081306		Incura Data - OFICO IOCA
ssued To	: UNITY INFRAPROJECTS LTD.	Issue Date : 05/09/2013
	NEAR - CHHATRA MARG	
•	OPP PATEL CHEST INSTITUTE	•
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	•
roject Name	: Delhi university north campus, Delhi	
ample Description	: Ambient Air	
ample Drawn on	: 30/08/2013 To 31/08/2013	
Sample Drawn By	: EPEPL (Mr. Anuj)	
Sample Received on	: 31/08/2013	

iampling Locationi. Near Art & Social Science Buildingiampling Plan & Procedureii. SOP-AAQ/15

nalysis Duration : 31/08/2013 To 04/09/2013

Sampling Time : 24 Hrs. which Temperature (deg°C) : 31.0 | verage Flow Rate of SPM (m³/min.) : 1.1 | verage Flow Rate of Gases (lpm.) : 1.0 | Veather Conditions : Clear

RESULTS

3.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	110.4	μg/m³
2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	70.4	μg/m³
3	Sulphur dioxide (as SO ₂)	IS : 5182 (P-2) Improved West & Geake	13.4	μg/m³
4	Nitrogen dioxide (as NO _x)	IS: 5182 (P-6)	26.4	μg/m³
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m³
	Grab Sampling			•
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 O ₃)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
10	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	μg/m³
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	< 1.0	μg/m³
12	Benzo (α) Pyrine-Particulate Phase only	IS : 5182 (P-12)	< 1.0	ng/m³

End of Report

Notes:

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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	TEST REPORT			
	Ambient Air Quality Analysis			
Report Code: 40031081307		Issue Date : 05/09/2013		
ssued To	: UNITY INFRAPROJECTS LTD.			
	NEAR - CHHATRA MARG			
•	OPP PATEL CHEST INSTITUTE			
	UNIVERSITY CAMPUS			
	NEW DELHI - 110007			
Project Name	: Delhi university north campus, Delhi			
Sample Description	: Ambient Air			
Sample Drawn on	: 30/08/2013 To 31/08/2013			
Sample Drawn By	: EPEPL (Mr. Anuj)			
Sample Received on	: 31/08/2013			
Sampling Location	: Near Labour Camp (Dhaka)	•		
Sampling Plan & Procedure	: SOP-AAQ/15			
Analysis Duration	: 31/08/2013 To 04/09/2013			
Sampling Time	: 24 Hrs.			
Ambient Temperature (deg°C)	: 31.0			
Average Flow Rate of SPM (m³/min.)	: 1.1			
Average Flow Rate of Gases (lpm.)	: 1.0	·		
Weather Conditions	: Clear			
	RESULTS			

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	154.4	μg/m³
2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	85.4	μg/m³
3		IS: 5182 (P-2) Improved West & Geake	19.5	μg/m³
4	Nitrogen dioxide (as NO _x)	IS: 5182 (P-6)	40.5	μg/m³
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m³
	Grab Sampling	IS: 5182 (P-22)	< 0.1	μg/m³
6	Lead (as Pb)	SOP-AAQ/89/02	< 15.0	ng/m³
7	Nickel (as Ni) Arsenic (as As)	SOP-AAQ/89/03	< 5.0	ng/m³
8 9	Ozone (as O_3)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
10	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	μg/m³
11	Benzene (as C ₆ H ₆)	IS: 5182 (P-11)	< 1.0	μg/m³
12	Benzo (α) Pyrine-Particulate Phase	IS: 5182 (P-12)	< 1.0	ng/m³
	only			**End of Report*

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	TEST REPORT	
	Stack Emission Analysis	
eport Code : 30031081306 sued To	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG	Issue Date : 04/09/2013
	OPP PATEL CHEST INSTITUTE UNIVERSITY CAMPUS	
roject Name	: Delhi university north campus, Delhi	
ample Description	: Stack Emission (UIL/G01-2/12)	
ample Drawn on	: 30/08/2013	·
ample Drawn By	: EPEPL (Mr. Ranjeet)	
ample Received on	: 31/08/2013	
ime of Sampling (Minutes)	: 30	
ampling Plan & Procedure	: SOP-SE/09	
ampling Location	: Chemistry Building	
nalysis Duration	: 31/08/2013 To 03/09/2013	
ource of Emission	: Stack Attached To D.G. Set	
apacity	: 125 KVA	
Operating Load	: Normal	
Iormal Operation Schedule	: As per requirement	
ype of Stack	: Metal/Circular	
Diameter of Stack (meter)	: 0.12	
leight of Stack from Ground Level (meter)	: 3.1	
leight of Stack from Roof Level (meter)	: -	
leight of Sampling Location (meter)	: Sampling done from Top of the Stack	
ype of Fuel Used	: HSD	
uel Consumed per Hour	: 8.0 lph	
mbient Temperature (deg.C)	: 31.0	
tack Temperature (deg.C)	: 116.0	
verage Velocity of Flue Emission (m/sec)	: 12.4	
verage Flow Rate (lpm)	: 18.1	
Control Measures (if any)	: Nil	

RESULTS

: At the time of sampling Temporary Platform provided by the customer

PARAMETER	TEST METHOD	RESULT	UNIT
Particulate Matter (PM)	Gravimetric Method	38.7	mg/Nm ³
Sulphur dioxide (as SO ₂)	Titrametric Method	18.0	mg/Nm³
Oxides of Nitrogen (as NO _x)	Spectrophotometric Method	56.4	mg/Nm ³
Carbon monoxide (as CO)	Orsat Method	< 0.2	% v/v
Lead (as Pb)	AAS Method	< 1.0	mg/Nm³
Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nm³
	Particulate Matter (PM) Sulphur dioxide (as SO ₂) Oxides of Nitrogen (as NO _x) Carbon monoxide (as CO) Lead (as Pb)	Particulate Matter (PM) Sulphur dioxide (as SO ₂) Oxides of Nitrogen (as NO _x) Carbon monoxide (as CO) Lead (as Pb) Gravimetric Method Spectrophotometric Method Orsat Method AAS Method	Particulate Matter (PM)Gravimetric Method 38.7 Sulphur dioxide (as SO_2)Titrametric Method 18.0 Oxides of Nitrogen (as NO_x)Spectrophotometric Method 56.4 Carbon monoxide (as CO)Orsat Method < 0.2 Lead (as Pb)AAS Method < 1.0

Remark (if any)

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
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TEST DEDODT

	TEST REPORT
	Stack Emission Analysis
eport Code : 30031081308	Issue Date : 04/09/2013
sued To	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG OPP PATEL CHEST INSTITUTE UNIVERSITY CAMPUS NEW DELHI - 110007
roject Name	: Delhi university north campus, Delhi
ample Description	: Stack Emission (UIL/G01-2/83)
ample Drawn on	: 30/08/2013
ample Drawn By	: EPEPL (Mr. Ranjeet)
ample Received on	: 31/08/2013
ime of Sampling (Minutes)	: 30
ampling Plan & Procedure	: SOP-SE/09
ampling Location	: Art & Social Science Building
nalysis Duration	: 31/08/2013 To 03/09/2013
ource of Emission	: Stack Attached To D.G. Set
apacity	: 62.5 KVA
)perating Load	: Normal
Iormal Operation Schedule	: As per requirement
ype of Stack	: Metal/Circular
Diameter of Stack (meter)	: 0.09
leight of Stack from Ground Level (meter)	: 2.8
leight of Stack from Roof Level (meter)	:
leight of Sampling Location (meter)	: Sampling done from Top of the Stack
Type of Fuel Used	: HSD
Fuel Consumed per Hour	; 5.0 lph
Ambient Temperature (deg.C)	: 31.0
Stack Temperature (deg.C)	; 98.0
Average Velocity of Flue Emission (m/sec)	: 12.4
Average Flow Rate (Ipm)	: 18.9
Control Measures (if any)	: Nil
Remark (if any)	: At the time of sampling Temporary Platform provided by the customer

RESULTS

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM)	Gravimetric Method	31.6	mg/Nm ³
2	Sulphur dioxide (as SO ₂)	Titrametric Method	13.2	mg/Nm³
2	Oxides of Nitrogen (as NO _x)	Spectrophotometric Method	38.7	mg/Nm ³
-	Carbon monoxide (as CO)	Orsat Method	< 0.2	% v/v
5	Lead (as Pb)	AAS Method	< 1.0	mg/Nm³
6	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nm ³
	Hydrocarbon (d3 170)			* * Fnd of Report * *

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withithe of the Laboratory is limited to the involved amount only





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TEST DEDORT

	TEST REPORT
	Stack Emission Analysis
Report Code: 30031081307	Issue Date : 04/09/2013
ssued To	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG
	OPP PATEL CHEST INSTITUTE
	UNIVERSITY CAMPUS NEW DELHI - 110007
P. L. (N.)	
Project Name	: Delhi university north campus, Delhi : Stack Emission (UIL/G01-2/62)
Sample Description	: 30/08/2013
Sample Drawn on	
Sample Drawn By	: EPEPL (Mr. Ranjeet) : 31/08/2013
Sample Received on	: 30
Time of Sampling (Minutes)	: SOP-SE/09
Sampling Plan & Procedure	: Labour Camp (Dhaka)
Sampling Location	: 31/08/2013 To 03/09/2013
Analysis Duration Source of Emission	: Stack Attached To D.G. Set
_	: 62.5 KVA
Capacity	: Normal
Operating Load Normal Operation Schedule	: As per requirement
Type of Stack	: Metal/Circular
Diameter of Stack (meter)	: 0.1
Height of Stack from Ground Level (meter)	: 3.2
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	: 6.0 lph
Ambient Temperature (deg.C)	: 31.0
Stack Temperature (deg.C)	; 103.0
Average Velocity of Flue Emission (m/sec)	: 11.2
Average Flow Rate (lpm)	: 16.9
Control Measures (if any)	: Nil
Remark (if any)	: At the time of sampling Temporary Platform provided by the customer

		KESUL15		
S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM)	Gravimetric Method	27.6	mg/Nm ³
2	Sulphur dioxide (as SO ₂)	Titrametric Method	10.0	mg/Nm³
3	Oxides of Nitrogen (as NO _x)	Spectrophotometric Method	40.2	mg/Nm³
_	Carbon monoxide (as CO)	Orsat Method	< 0.2	% v/v
4 5	Lead (as Pb)	AAS Method	< 1.0	mg/Nm ³
-		APHA -AIR	< 1.0	mg/Nm³
6	Hydrocarbon (as HC)			* * End of Report * *

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



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	TEST REPORT
	Stack Emission Analysis
Report Code: 30031081309	Issue Date : 04/09/2013
Issued To	: UNITY INFRAPROJECTS LTD.
	NEAR - CHHATRA MARG
	OPP PATEL CHEST INSTITUTE
	UNIVERSITY CAMPUS
	NEW DELHI - 110007
Project Name	: Delhi university north campus, Delhi
Sample Description	: Stack Emission (UIL/G01-2/89)
Sample Drawn on	: 30/08/2013
Sample Drawn By	; EPEPL (Mr. Ranjeet)
Sample Received on	: 31/08/2013
Time of Sampling (Minutes)	: 30
Sampling Plan & Procedure	: SOP-SE/09
Sampling Location	: Labour Camp (Dhaka)
Analysis Duration	: 31/08/2013 To 03/09/2013
Source of Emission	: Stack Attached To D.G. Set
Capacity	: 125 KVA
Operating Load	: Normal
Normal Operation Schedule	: As per requirement
Type of Stack	: Metal/Circular
Diameter of Stack (meter)	; 0.11
Height of Stack from Ground Level (meter)	: 3.1
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 (deg.C)	; 31.0
Stack Temperature (deg.C)	: 122.0
Average Velocity of Flue Emission (m/sec)	: 13.4
Average Flow Rate (lpm)	: 19.2
Control Measures (if any)	: Nil
Remark (if any)	: At the time of sampling Temporary Platform provided by the customer

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
 1	Particulate Matter (PM)	Gravimetric Method	43.4	mg/Nm ³
	Sulphur dioxide (as SO₂)	Titrametric Method	19.6	mg/Nm³
_	Oxides of Nitrogen (as NO _x)	Spectrophotometric Method	59.3	mg/ N m³
-	Carbon monoxide (as CO)	Orsat Method	< 0.2	% v/v
5	Lead (as Pb)	AAS Method	< 1.0	mg/Nm³
•	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nm ³
0	Tyulocalboli (as 110)	~		* * Fnd of Report * *

RESULTS

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



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Office & Labor-Gory, 30741, South Side of G. T. Road, 4PGIDC Industrial Area, Ghaziabad - 201,009, UP, INDIA, c-mail: labs@ekopro.in, ekoproengineers@gmail.com, epoplyzb@gmail.com, epoplyzb@yahoo.com, www.ekopro.in, Tolcha: 1491-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

TEST REPORT

	Illumination Monito	oring			
Report Code: 110002091322 Issued To	: UNITY INFRAPI NEAR - CHHAT OPP PATEL C UNIVERSITY CA NEW DELHI - 1	ROJECTS RA MARG CHEST IN: AMPUS	i	Issue Date	: 04/09/2013
Project Name Sample Description Sample Drawn On Sample Drawn by Sample Received On Sampling Location Sampling Plan & Procedure Environmental Conditions Analysis Duration	: Delhi university (Light Intensity (Lig	north cam UX)	pus, Delhi		
	RESULTS				
S.No. PARAMETER	TEST METHOD	Max	RESULT Min	Avg.	UNIT
1 Light Intensity (Day Time)	SOP-IL/97/01	305	210	245	LUX

* * End of Report * *

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
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- 4. Responsibility of the Laboratory is limited to the invoiced amount only.





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TEST REPORT

	Illumination Monitoring	
Report Code : 110002091321		Issue Date : 04/09/2013
ssued To	: UNITY INFRAPROJECTS LTD.	
	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	
Project Name	: Delhi university north campus, Delh	

Sample Description : Light Intensity (LUX) 31/08/2013 Sample Drawn On : EPEPL (Mr. Sunil) Sample Drawn by 02/09/2013 Sample Received On

: Botany Building Sampling Location Sampling Plan & Procedure SOP-M/02 Normal **Environmental Conditions** : 03/09/2013 **Analysis Duration** RESULTS

S.No. PARAMETER	TEST METHOD	Max	RESULT Min	Avg.	UNIT
1 Light Intensity (Day Time)	SOP-IL/97/01	210	146	184	LUX

* * End of Report * *

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
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	TEST REPORT	
	Illumination Monitoring	
Report Code: 110002091323		Issue Date : 04/09/2013
Issued To	: UNITY INFRAPROJECTS LTD.	
	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
·	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	
Project Name	: Delhi university north campus, Del	hi
Sample Description	: Light Intensity (LUX)	
Sample Drawn On	: 31/08/2013	
Sample Drawn by	: EPEPL (Mr. Sunil)	
Sample Received On	: 02/09/2013	
Sampling Location	: Examination Building	
Sampling Plan & Procedure	: SOP-M/02	
Environmental Conditions	: Normal	
Analysis Duration	: 03/09/2013	
	RESULTS	
S.No. PARAMETER	TEST METHOD RESU	LT UNIT
	Max Min	Avg.

* * End of Report * *

LUX

Notes:

1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.

2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.

SOP-IL/97/01

298

186

228

3. The test report will not be used for any publicity/legal purpose.

Light Intensity (Day Time)

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

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	TEST REPOR	RT			
	Illumination Monit	oring			
Report Code: 110002091325 ssued To	: UNITY INFRAP NEAR - CHHAT OPP PATEL (UNIVERSITY C NEW DELHI - 1	ROJECTS RA MARO CHEST IN AMPUS)	Issue Date	: 04/09/2013
Project Name Sample Description Sample Drawn On Sample Drawn by Sample Received On Sampling Location Sampling Plan & Procedure Environmental Conditions Analysis Duration	: Delhi university : Light Intensity (I : 31/08/2013 : EPEPL (Mr. Sui : 02/09/2013 : Art & Social Sci : SOP-M/02 : Normal : 03/09/2013	LUX)			
	RESULTS				~~~ _ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
S.No. PARAMETER	TEST METHOD	Max	RESULT Min	Avg.	UNIT
Light Intensity (Day Time)	SOP-IL/97/01	209	174	190	LUX

* * End of Report * *

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- 4. Responsibility of the Laboratory is limited to the invoiced amount only.



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	T	ST REPOR	RT.			
	Illumi	nation Monit	oring			
Report Code: 110002091324					Issue Date	e: 04/09/2013
Issued To		UNITY INFRAP				
		NEAR - CHHAT				
		OPP PATEL (CHEST IN	STITUTE		
		UNIVERSITY C	AMPUS			
		NEW DELHI - 1	10007			
Project Name		Delhi university	north cam	ıpus, Delhi		
Sample Description	:	Light Intensity (I	_UX)			
Sample Drawn On	:	31/08/2013				
Sample Drawn by	:	EPEPL (Mr. Sui	nil)			
Sample Received On	2	02/09/2013				
Sampling Location		Labour Camp (I	Dhaka)			
Sampling Plan & Procedure	:	SOP-M/02				
Environmental Conditions	;	Normal				
Analysis Duration	9	03/09/2013				
		RESULTS				
S.No. PARAMETER	7	EST METHOD	Max	RESULT Min	Avg.	UNIT

S.No.	PARAMETER	TEST METHOD	Max	RESULT Min	Avg.	UN!T
1	Light Intensity (Day Time)	SOP-II_/97/01	254	182	212	LUX

* * End of Report * *

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
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TEST REPORT

	Noise Monitoring	
eport Code: 70030081322		Issue Date : 02/09/2013
sued To	: UNITY INFRAPROJECTS LTD.	
	NEAR - CHHATRA MARG	
	OPP PATEL CHEST INSTITUTE	
	UNIVERSITY CAMPUS	
	NEW DELHI - 110007	
roject Name	: Delhi university north campus, Delhi	
ample Description	: Ambient Noise (24 Hrs)	

: 29/08/2013 To 30/08/2013 ample Drawn on EPEPL (Mr. Alok) ample Drawn By

30/08/2013 ample Received on

Chemistry Building ampling Location

SOP-N/01 ampling Plan & Procedure : Clear Veather Conditions 31/08/2013 nalysis Duration

RESULTS

.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Leg (24 Hrs.)	SOP-N/94/01	54.8	dB(A)
2	L Day		60.2	dB(A)
3	L Night		45.7	dB(A)
4	L dn		53.0	dB(A)
5	L Max (24 Hrs.)		68.5	dB(A)
6	L Min (24 Hrs.)		40.3	dB(A)
7	L 90		47.2	dB(A)
8	L 50		53.8	dB(A)
9	L 10		58.5	dB(A)
_				

* * End of Report * *

Votes:

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	TEST REPO		
	Noise Monitor		
Report Code: 70031081311			Issue Date: 03/09/2013
Issued To	: UNITY INFRAPROJE		
	NEAR - CHHATRA N		
	OPP PATEL CHES		
	UNIVERSITY CAMPI		
	NEW DELHI - 11000	/	
Project Name	: Delhi university north	campus, Delhi	
Sample Description	: DG Noise from Chen	nistry Building (UIL/G0 ⁻	1-2/12)
Sample Drawn on	: 30/08/2013		
Sample Drawn by	: EPEPL (Mr. Anuj)		
Sample Received on	: 31/08/2013		
Sampling Location	: 1.0 Meter away from	DG Set (125 KVA)	
	(When DG Set was re	unning)	
Sampling Plan & Procedure	: SOP-N/01		
Environmental Conditions	: Normal		
Analysis Duration	: 02/09/2013		
	RESULTS		
S.No. PARAMETER	TEST METHOD	RESULT	UNIT

 						_							
*	*	Ε	n	d	0	f	R	е	p) i	t	*	*

dB (A)

68.7

Notes:

1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.

SOP-N/94/01

- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.

Equivalent Noise Level

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

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Teletax: #91-420-2867931, 2367940, 9714159237, 9714159210, 9714163422

TEST REPORT

		IEST REPORT	
		Noise Monitoring	
eport Code : 70031081306			Issue Date : 03/09/2013
sued To		UNITY INFRAPROJECTS LTD.	1030c Date : 03/03/2013
		NEAR - CHHATRA MARG	
		OPP PATEL CHEST INSTITUTE	
		UNIVERSITY CAMPUS	
		NEW DELHI - 110007	•
roject Name	:	Delhi university north campus, Delhi	
ample Description		Arnbient Noise (24 Hrs)	
ample Drawn on	•	30/08/2013 To 31/08/2013	
ample Drawn By		EPEPL (Mr. Anuj)	
ample Received on	:	31/08/2013	
Sampling Location	2 0	Botany Building	
Sampling Plan & Procedure		SOP-N/01	
Veather Conditions	ĉ	Clear	
Analysis Duration	:	02/09/2013	
		PESIII TS	

RESULTS

3.No.	PARAMETER	TEST METHOD	RESULT	UNIT	
1	Leq (24 Hrs.)	SOP-N/94/01	53.8	dB(A)	-
2	L Day		59.4	dB(A)	
3	L Night		43.7	dB(A)	
4	L dn		51.6	dB(A)	
5	L Max (24 Hrs.)		69.4	dB(A)	
6	L Min (24 Hrs.)		38.5	dB(A)	
7	L 90		45.8	dB(A)	
8	L 50		52.3	dB(A)	
9	L 10		57.5	dB(A)	

* * End of Report * *

Notes:

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- 3. The test report will not be used for any publicity/legal purpose.
- 4. Responsibility of the Laboratory is limited to the invoiced amount only.

FOR PEPL



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TEST REPORT

	Noise Monitoring	
port Code: 70030081323	Noise Montofflig	
Post wodo : 10000001323		Issue Date : 02/09/2013
wood To		issue Date . UZ/US/ZU13

sued To : UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

oject Name : Delhi university north campus, Delhi

ample Description : Ambient Noise (24 Hrs) ample Drawn on : 29/08/2013 To 30/08/2013

ample Drawn By : EPEPL (Mr. Alok) ample Received on : 30/08/2013

ampling Location : Examination Building

ampling Plan & Procedure : SOP-N/01

//eather Conditions : Clear

nalysis Duration : 31/08/2013

RESULTS

.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Leq (24 Hrs.)	SOP-N/94/01	52.3	dB(A)
2	L Day		57.2	dB(A)
3	L Night		44.5	dB(A)
4	L dn		50.9	dB(A)
5	L Max (24 Hrs.)		66.3	dB(A)
6	L Min (24 Hrs.)	•	38.4	dB(A)
7	L 90		46.3	dB(A)
8	L 50		51.7	dB(A)
9	L 10		55.8	dB(A)

* * End of Report * *

Notes:

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

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	TEST REPO	ORT	
	Noise Monito	ring	
Report Code: 70031081310 ssued To	: UNITY INFRAPROJ NEAR - CHHATRA OPP PATEL CHE UNIVERSITY CAMP NEW DELHI - 11000	MARG ST INSTITUTE PUS	Issue Date: 03/09/2013
Project Name	: Delhi university nort		
Sample Description	: DG Noise from Art 8	k Social Science Buildi	ng (UIL/G01-2/83)
Sample Drawn on	: 30/08/2013		
Sample Drawn by	: EPEPL (Mr. Anuj)		
Sample Received on	: 31/08/2013		
Sampling Location	: 1.0 Meter away from	n DG Set (62.5 KVA)	
•	(When DG Set was	running)	
Sampling Plan & Procedure	: SOP-N/01		
Environmental Conditions	: Normal		
Analysis Duration	: 02/09/2013		
	RESULTS		
S.No. PARAMETER	TEST METHOD	RESULT	UNIT
Equivalent Noise Level	SOP-N/94/01	64.5	dB (A)

* * End of Report

Notes:

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- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
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TEST REPORT

∍port Code : 70031081307	Issue Date : 03/09/2013		
sued To :	UNITY INFRAPROJECTS LTD.		
	NEAR - CHHATRA MARG		
	OPP PATEL CHEST INSTITUTE		
	UNIVERSITY CAMPUS		
	NEW DELHI - 110007		
oject Name :	Delhi university north campus, Delhi		
ample Description :	Ambient Noise (24 Hrs)		
ample Drawn on :	30/08/2013 To 31/08/2013		
ample Drawn By :	EPEPL (Mr. Anuj)		
ample Received on :	31/08/2013		
ampling Location :	Art & Social Science Building		
ampling Plan & Procedure :	SOP-N/01		
/eather Conditions :	Clear		
nalysis Duration :	02/09/2013		
RESULTS			

.No.	PARAMETER	TEST METHOD	RESULT	UNIT
<u>-</u>	Leg (24 Hrs.)	SOP-N/94/01	51.7	dB(A)
2	L Day		56.4	dB(A)
3	L Night		41.8	dB(A)
4	L dn		49.1	dB(A)
5	L Max (24 Hrs.)		66.7	dB(A)
6	L Min (24 Hrs.)		37.4	dB(A)
7	L 90		42.5	dB(A)
8	L 50		50.8	dB(A)
_	L 10		55.2	dB(A)
9	L 10			

* * End of Report * *

lotes:

- . The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- 1. Responsibility of the Laboratory is limited to the invoiced amount only.



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Office 5 Laboratory: 32/41, South Side of G. F. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. പ്പോല് iabs@ekopro.in, ekoproengineers@gmail.com, opoply.tb@gmail.com, epoplgzb@yahoo.com, www.ekopro.in, Telefax: +94-120-2867931, 2867940, 5711159337, 9711159210, 9711163422

TEST REPORT Noise Monitoring

	noise monitoring	
eport Code : 70031081308		Issue Date : 03/09/2013
sued To	: UNITY INFRAPROJECTS LTD.	
	NEAR - CHHATRA MARG	

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Delhi university north campus, Delhi roject Name

: Ambient Noise (24 Hrs) ample Description 30/08/2013 To 31/08/2013 ample Drawn on

EPEPL (Mr. Anuj) ample Drawn By 31/08/2013 ample Received on

Lobour Camp (Dhaka) ampling Location

SOP-N/01 ampling Plan & Procedure Clear **Jeather Conditions** 02/09/2013 nalysis Duration

RESULTS

			· ·	·
.No.	. PARAMETER	TEST METHOD	RESULT	UNIT
1	Leq (24 Hrs.)	SOP-N/94/01	57.2	dB(A)
2	L Day		62.7	dB(A)
3	L Night		48.3	dB(A)
4	L dn		55.5	dB(A)
5	L Max (24 Hrs.)		71.4	dB(A)
6	L Min (24 Hrs.)		42.8	dB(A)
7	L 90		49.7	dB(A)
8	L 50		56.2	dB(A)
9	L 10		60.5	dB(A)
9	L 10			

* * End of Report * *

Notes:

- 1. The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
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Office & Unbouding 2.771, South Side of G. T. Road, UPSIEC Industrial Area, Ghaziabad - 201 009, UP, INDIA. e மயி Jahawakapra in, akaprovagineers@gmail.com, spepla: b@gmail.com, epeplazb@yahoo.com, www.ekopro.in, 303-668; 191-120-286793); 3679-10, 9711159337, 9711159210, 9711163422

*************************************	TEST REF	ORT	
	Noise Monit	oring	
Report Code: 70031081309 ssued To	: UNITY INFRAPRO NEAR - CHHATRA OPP PATEL CH UNIVERSITY CAN NEW DELHI - 110	NMARG EST INSTITUTE IPUS	Issue Date: 03/09/2013
Project Name	: Delhi university no	rth campus, Delhi	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Sample Description	: DG Noise from Labour Camp (Dhaka) (UIL/G01-2/62)		
Sample Drawn on	: 30/08/2013		
Sample Drawn by	: EPEPL (Mr. Anuj)		
Sample Received on	: 31/08/2013		
Sampling Location	: 1.0 Meter away fro (When DG Set was	m DG Set (62.5 KVA) grunning)	
Sampling Plan & Procedure	: SOP-N/01	37	
Environmental Conditions	: Normal		
Analysis Duration	: 02/09/2013		
	RESULTS)	
S.No. PARAMETER	TEST METHOD	RESULT	UNIT

63.8

* * End of Report * *

dB (A)

Notes:

1. The results given above are related to the observed values, at the time of monitoring.

SOP-N/94/01

The customer asked for the above tests only.

Equivalent Noise Level

- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- 4. Responsibility of the Laboratory is limited to the invoiced amount only.

-1.11-



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Office & Labourtory, 32744, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. ாail: labs@ekopro.in, ekoproengineers@gneal.com, epeplgzb@gmail.com, epeplgzb@yahoo.com, www.ekopro.in, Tolefax: F91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

TEST REPORT **Noise Monitoring**

Report Code: 70031081312		Issue Date: 03/09/2013
Issued To	: UNITY INFRAPROJECTS LTD.	

NEAR - CHHATRA MARG OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Project Name	: Delhi university north campus, Delhi
	DC Noise from Labour Comp (Dhoka) (IIII /CO1 2/80)

Sample Description	. Do Noise nom Labour Gamp (Briaka) (GIL/GOT 2/0
Sample Drawn on	: 30/08/2013

Sample Drawn by	•	EPEPL (Mr. Anuj)
Sample Received on	:	31/08/2013

Sampling Location	:	1.0 Meter away from DG Set (125 KVA)
		(When DG Set was running)

		(
Sampling Plan & Procedure	:	SOP-N/01
Environmental Conditions	:	Normal
Analysis Duration	:	02/09/2013

CIADCAN			
S.No. PARAMETER	TEST METHOD	RESULT	UNIT
Equivalent Noise Level	SOP-N/94/01	67.9	dB (A)

DECIII TO

* * End of Report * *

Notes:

Analysis Duration

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
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11



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ENGINEERING DEPARTMENT
(NORTH CAMPUS)
UNIVERSITY OF DELHI
DELHI - 110007

PHONE: 27667157, 27667725-EXT.1700-1705

FAX NO: 911 - 27666007

REF. NO. UE/ 2/MJ

/DU/ C-328

(2013-14)

DATED: 11.07.2013

The Secretary
Delhi Pollution Control Committee
4th floor, ISBT building
Kashmere Gate
Delhi-110006

Sub: Development of Infrastructure facilities for Institutional buildings at Delhi University - Submission of periodic Environmental monitoring reports-Construction phase.

Dear Sir,

With reference to the SEIAA approval letter No. F.No. 82/DPCC/SEIAA-SEAC/10/2545-2549 dt. 16.03.2012, enclosed please find herewith the original copies of Environmental Monitoring Reports (23 sheets) for the environment monitoring conducted at respective construction sites of Institutional buildings project which has been conducted by M/s EKO Pro Engineers Pvt. Ltd. accredited and MoEF approved lab and in-line with DPCC requirement.

Thanking you,

Yours faithfully

University Engineer

Encl: Environmental Monitoring Reports (23 Sheets)

1/1

mas to the

Annexure- A

ST. No	Location	Report Code	Report Title
<u>islo</u> 1.	Examination building	40030051312	A STATE OF THE STA
<u>)</u>	bemistry building	40030051311	
	Sotany building	40030051310	- Ambient Air Analysis
1.	Art & Social Science building	40031051307	Report
	Libaka Labour Camp	40031051306	•
	Coundatry building	30030051323	
7.	Botany building	30030051322	
(2)	Phaka Labour Camp (62.5	30030051324	Stack Emission Analysis
	F.VA DG Set)		Report
7)	Dhaka Labour Camp (125 KVA	30030051321	
	DG Set)		
1().	Chemistry building	110030051324	
:1.	Botany building	110030051323	- Illumination
12.	Examination building	110030051325	- Monitoring Report
12. 13.	Art & Social Science building	110031051322	
1 !.	Dhaka Labour Camp	110031051321	
	Chemistry building-Ambient	70030051317	
	Hoise		
1	Chemistry building-DG Noise	70031051337	
1	Building-Ambient	70030051316	
	120 is 6	pt'	
Tb.	Potany building-DG Noise	70031051336	Noise Monitoring
19. 20. 21.	Examination building	70030051318	Report
20,	Art & Social Science building	70031051335	_ Keport
21.	Chaka Labour Camp	70031051334	
	Obaka Labour Camp-DG Noise	70031051338	
j	(63.5 KVA)		j.
23.	Dhaka Labour Camp- DG	70031051339	
	Noise (125 KVA)	ar ar	

(SMAILENDRA)



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TEST REPORT

Ambient Air Quality Analysis				
Figure 1 (eds.: 40030051312		Issue Date : 04/06/2013		
to red to	: UNITY INFRAPROJECTS LTD.			
	NEAR - CHHATRA MARG	\		
	OPP PATEL CHEST INSTITUTE			
	UNIVERSITY CAMPUS			
	NEW DELHI - 110007			
Project Namo	: Delhi university north campus, Delhi			
s made Conception	: Ambient Air			
раниріе Drawn on	: 29/05/2013 To 30/05/2013			
Curigita Drawa By	: EPEPL (Mr. Raj Kumar)			
Sample Received on	: 30/05/2013			
Sumpling Location	: Near Examination Building			
Compling Plan & Procedure	: SOP-AAQ/15			
Enalysis Duration	: 30/05/2013 To 03/06/2013			
opling Thin	: 24 Hrs.			
Ambient Temporature (deg°C)	: 40.0			
и mage how reate of SPM (m³/min.)	: 1.1			
are rage Flow (tate of Gases (lpm.)	: 1.0			
Weather Conditions	: Clear			
	PESIII TS			

RESULTS

o.Mo.	PARAMETER	TEST METHOD	RESULT	UNIT
i.	Porticulate (datter (PM ₁₀)	IS : 5182 (P-23)	139.2	μg/m ³
:	Particulate Malter (PM _{2.5})	SOP-AAQ/89/01	68.3	µg/m³
١	culption dioxide (as SO₂)	IS: 5182 (P-2) Improved West & Geake	14.5	μg/m³
	Harrigon droude (as NO _x)	IS: 5182 (P-6)	2 7.5	µg/m³
	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m³
	Grab Sampling			3.
١.	Load (es 195)	IS: 5182 (P-22)	< 0.1	μg/m³
	Effective (as 10)	SOP-AAQ/89/02	< 15.0	ng/m³
	Ausopio (95 - 3)	SOP-AAQ/89/03	< 5.0	ng/m³
÷.	Propertion	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
j()	Amraonia (lab HH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	μg/m³
; ;	Cenzene (as C _s H _s)	IS: 5182 (P-11)	< 1.0	µg/m³
12	Benzo (a) Pyrine-Particulate Phase only	IS: 5182 (P-12)	< 1.0	ng/m³

End of Report

Police :

- The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling.
 The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling.
- Usis test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- the test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the dustomer.

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TEST REPORT

	TEST REPORT			
Ambient Air Quality Analysis				
graf Code : 40030051311		Issue Date : 04/06/2013		
and speed fire	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG OPP PATEL CHEST INSTITUTE UNIVERSITY CAMPUS NEW DELHI - 110007	•		
Project Name	: Delhi university north campus, Delhi			
pts. Cescription	: Ambient Air			
Saniple Drawn on	: 29/05/2013 To 30/05/2013			
Catapie Drawn by	: EPEPL (Mr. Keshav)			
Compretitional on	: 30/05/2013	•		
Sampling Location	: Near Chemistry Building			
Sampling Plan & Procedure	: SOP-AAQ/15			
Analysic Duration	: 30/05/2013 To 03/06/2013			
. வாழிing Time	: 24 Hrs.			
Ambient Temperature (deg°C)	: 40.0			
emagn Flow Rate of SPM (m³/min.)	: 1.1			
Compage Close Cate of Gases (Ipm.)	: 1.0			
We allied Compldings	: Clear			
	RESULTS			

S.No. PARAMETER	TEST METHOD ,	RESULT	UNIT .
Farticulate Matter (PM ₁₀)	IS: 5182 (P-23)	124.4	µg/m³
 Particulate Matter (PM_{2.5}) 	SOP-AAQ/89/01	76.3	µg/m³
∴ Culphur dioxide (as SO₂)	IS: 5182 (P-2) Improved West & Geake	15.3	µg/m³
 rifirogen dioxide (as NO_v) 	IS: 5182 (P-6)	32.6	µg/m³
6 Carbon monoxide (as CO)	IS : 5182 (P-10)	< 1.15	mg/m³
Grab Sampling	•		
(a Lead (as ₽b)	IS: 5182 (P-22)	^f < 0.1	μg/m³
7 Nickel (as Ni)	SOP-AAQ/89/02	< 15.0	ng/m³
# Arsenic (en As)	SOP-AAQ/89/03	< 5.0	ng/m³
e Ozone (as O ₃)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m³
(c.: Ammonia (as MH))	APHA - AIR Indophenol Blue Method	< 20.0	µg/m³
(C. Bonzene (as C.M.)	IS : 5182 (P-11)	< 1.0	µg/m³
(1) Isanto (a) Unine Particulate Phase (a)	IS : 5182 (P-12)	< 1.0	ng /m ³

End of Report

Madae

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The distormer asked for the above tests only.
- (a) This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
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- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.



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Gorafary: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. ediction of the control of the contr Telefax: +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

TEST REPORT Ambient Air Quality Analysis Report Gode: 40030051310 Issue Date: 04/06/2013 Burnel To : UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARO OPP. - PATEL CHEST INSTITUTE UNIVERSITY CAMPUS NEW DELHI - 110007 Project Name : Delhi university north campus, Delhi Simple Description : Ambient Air Sample Drawn on : 29/05/2013 To 30/05/2013 Spainle Daywarday : EPEPL (Mr. Keshav) estimate broadwad on : 30/05/2013 Compliand Location. : Near Botany Building Compling Physics Procedure SOP-AAQ/15 Zandi, viz Onivalori 30/05/2013 To 03/06/2013 Campling Time : 24 Hrs. Ambient femperature (deg°C) : 40.0 reseage Flow Rate of SPM (m³/min.) : 1.1 You may have Rate of Gases (Ipm.) : 1.0 afeether Conditions : Clear

RESULTS					
14.4	PARAMETER	TEST METHOD	RESULT	UNIT	
;	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	132.5	µg/m³	
1	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	72.9	μg/m³	
	Sulphur dioxide (as SO ₂)	IS: 5182 (P-2) Improved West & Geake	16.4	μg/m³	
;	fillingen decade (as NO ₂)	IS: 5182 (P-6)	29.6	μg/m³	
	s manica modele (as CO)	15 : 5182 (P-10)	< 1.15	mg/m³	
	 6 de le amping 			_	
	Found tags (Pb)	IS : 5182 (P-22)	f < 0.1	µg/m³	
<i>;</i>	Hicker (co. Mr)	SOP-AAQ/89/02	< 15.0	ng/m³	
i	Miseriic (11s Ab)	SOP-AAQ/89/03	< 5.0	ng/m³	
0	Ozone (as O ₃)	IS : 5182 (P-9)/Chemical Method	< 10.0	μg/m³	
$\{\phi_i\}$	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	µg/m³	
: :	Bengane (ac C.H.)	IS: 5182 (P-11)	< 1.0	μg/m³	
12	Hanzo (c) Pyrine-Particulate Phase	IS : 5182 (P-12)	< 1.0	ng/m³	

End of Report

- The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified
- Evillation unsloaner

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seekaboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA.

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

TEST REPORT

Ambient Air Quality Analysis

Sport Code : 40031051307 Issue Date : 05/06/2013

seed to : UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

roject i lame : Delhi university north campus, Delhi

ample Description : Ambient Air

ample Drawn on: 30/05/2013 To 31/05/2013ample Drawn By: EPEPL (Mr. Raj Kumar)

Jarapin Mocelyard on : 31/05/2013

: Near Art & Social Science Building

tampling Plan & Procedure : SOP-AAQ/15

unalysis Duration : 31/05/2013 To 04/06/2013

tampling Time : 24 Hrs.
sorbient Temperature (deg°C) : 40.0

orange How Note of SPM (m³/min.) : 1.1
socrane How Note of Gases (lpm.) : 1.0

כז	F5	21	11	т	C
- 17	г.	าเ	"		n

Wo.	PARAMETER	TEST METHOD	RESULT	UNIT
:	Laterdale Matter (PM ₁₀)	IS: 5182 (P-23)	118.4	µg/m³
	Fadiculate Matter (PM _{2.5.})	SOP-AAQ/89/01	74.5	μg/m³
3	outphor dexide (as SO₂)	IS: 5182 (P-2) Improved West & Geake	15.3	μg/m³
₹,	Hiltegran dioxide (as NO_x)	IS: 5182 (P-6)	30.6	μg/m³
(5)	Carbon monovide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m ³
	ാക് (ഷസ്സിng			· ·
6	Lead (as Pb)	IS: 5182 (P-22)	< 0.1	μg/m³
;	isticket (as Ni)	SOP-AAQ/89/02	< 15.0	ng/m ³
3	Arsenic (as As)	SOP-AAQ/89/03	< 5.0	ng/m ³
9	Ozone (as O ₃)	IS: 5182 (P-9)/Chemical Method .	< 10.0	μg/m³
{ti	Ammonia (or MH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	µg/m³
11	Benzend ws GoHs)	. IS: 5182 (P-11)	< 1.0	μg/m³
12	Sento (a) Pyrine-Particulate	IS: 5182 (P-12)	< 1.0	ng/m³
	Thase only			

End of Report

Moins:

- 1 The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
- 1. This is strep of will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The lest report will not be used for any publicity/legal purpose.
- 4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.
 - The consibility of the Laboratory is limited to the invoiced amount only

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Issue Date: 05/06/2053

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TEST REPORT

Ambient Air Quality Analysis

Report Code: 40031051306
Issued To : UNITY INFRAPROJECTS LTD

NEAR - CHHATRA MARG

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Project Name : Delhi university north campus, Delhi

Sample Description : Ambient Air

: 30/05/2013 To 31/05/2013

: EPEPL (Mr. Raj Kumar)

Sample Received on : 31/05/2013

Sampling Location : Near Labour Camp (Dhaka)

Sampling Plan & Procedure : SOP-AAQ/15

Analysis Duration : 31/05/2013 To 04/06/2013

Sampling Time : 24 Hrs. **
Ambient Temperature (deg°C) : 40.0

Average Flow Rate of SPM (m³/min.) : 1.1
Average Flow Rate of Gases (lpm.) : 1.0

Sample Drawn on-

Sample Drawn By

Weather Conditions : Clear

RESULTS

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM ₁₀)	IS : 5182 (P-23)	172.3	µg/m³
· 2	Particulate Matter (PM _{2.5})	SOP-AAQ/89/01	92.3	µg/m°
3	Sulphur dioxide (as SO ₂)	IS : 5182 (P-2) Improved West & Geake	21,4	μg/m³
4	Nitrogen dioxide (as NO _x)	IS: 5182 (P-6)	44.7	μg/m²
5	Carbon monoxide (as CO)	IS: 5182 (P-10)	< 1.15	mg/m³
	Grab Sampling			
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/m²
9	Ozone (as O ₃)	IS: 5182 (P-9)/Chemical Method	< 10.0	μg/m [*]
10	Ammonia (as NH ₃)	APHA - AIR Indophenol Blue Method	< 20.0	pg/m^2
11	Benzene (as C ₆ H ₆)	IS : 5182 (P-11)	< 1.0	jug/m ^v
12	Benzo (α) Pyrine-Particulate Phase only	IS : 5182 (P-12)	< 1.0	ng/m ³

**End of Report

lotes :

- . The results given above are related to the tested sample, for various parameters, as observed at the time of Sampling. The customer asked for the above tests only.
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- Responsibility of the Laboratory is limited to the invoiced amount only.

ShadL.

For (P. L.) P. L.

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TEST REPORT Stack Emission Analysis

Report Code: 30030051323		Issue Date : 04/06/20(3
Issued To	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG	

OPP. - PATEL CHEST INSTITUTE
-- UNIVERSITY CAMPUS
NEW DELHI - 110007

Project Name	}	: Delhi university north campus, Delhi
Sample Description	*	: Stack Emission (UIL/G01-2/12)
Sample Drawn on		: 29/05/2013
Sample Drawn By		: EPEPL (Mr. Keshav)
Sample Received on		: 30/05/2013
Time of Sampling (Minutes)		: 30
Sampling Plan & Procedure		: SOP-SE/09
Sampling Location		: Chemistry Building
Analysis Duration		: 30/0½/2013 To 03/06/2013

Analysis Duration : 30/05/2013 To 03/06/2013
Source of Emission : Stack Attached To D.G. Set
Capacity : 125 KVA

Capacity : 125 KVA
Operating Load : Normal
Normal Operation Schedule : As per requirement

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 (deg.C) : 40.0
Stack Temperature (deg.C) : 113.0
Average Velocity of Flue Emission (m/sec) : 13.2
Average Flow Rate (lpm) : 19.4
Control Measures (if any) : Nil

Remark (if any) : At the time of sampling Temporary Platform provided by the customer

RESULTS

3.No.	PARAMETER	TEST METHOD	RESULT	UNIT		
1	Particulate Matter (PM)	IS :11255 Part I	42.6	mg/Nm ³		
2	Sulphur dioxide (as §O ₂)	IS :11255 Part II	19.1	mg/Nm ³		
3	Oxides of Nitrogen (as NO _x)	SOP-SE/90/01	69.8	mg/Nm ³		
4	Carbon monoxide (as CO)	IS: 13270	< 0.2	% v/v		
5	Lead (as Pb)	APHA-AIR/AAS	< 1.0	mg/Nm ³		
6	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nm ³		
	·			* * End of Report : /		

Notes:

- . The results given above are related to the tested sample, for various parameters, as observed at the time of sampling.

 The customer asked for the above tests only.
- 1. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory
- The test report will not be used for any publicity/legal purpose.

. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.

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Taboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INFU. (中國語: 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

Stack Emission Analysis

Report Code: 30030051322 Issue Date: 04/06/2013

Issued To : UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG

--- OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Project Name : Delhi university north campus, Delhi

Sample Description : Stack Emission (UIL/G01-2/83)

Sample Drawn on : 29/05/2013

Sample Drawn By : EPEPL (Mr. Keshav)

Sample Received on : 30/05/2013

Time of Sampling (Minutes) : 30

Sampling Plan & Procedure : SOP-SE/09
Sampling Location : Botany Build

Location : Botamy Building
Duration : 30/05/2013 To 03/06/2013

Analysis Duration : 30/05/2013 To 03/06/2013
Source of Emission : Stack Attached To D.G. Set

Capacity : 62.5 KVA

Operating Load : Normal

Normal Operation Schedule : As per requirement Type of Stack : Metal/Circular

Type of Stack : Metal/Circulary : Metal/Circulary : 0.09

Height of Stack from Ground Level (meter) : 2.8
Height of Stack from Roof Level (meter) : -

Height of Sampling Location (meter) : Sampling done from Top of the Stack

Type of Fuel Used: HSDFuel Consumed per Hour: 5.0 lphAmbient Temperature (deg.C): 40.0Stack Temperature (deg.C): 102.0

Average Velocity of Flue Emission (m/sec) : 11.3 Average Flow Rate (lpm) : 17.1

Control Measures (if any) : Nil

Remark (if any) : At the time of sampling Temporary Platform provided by the customer

RESULTS

i.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (RM)	IS :11255 Part I	. 38.7	mg/l\lang
2	Sulphur dioxide (as SO ₂)	IS :11255 Part II	16.1	mg/Nm ³
3	Oxides of Nitrogen (as NO _x)	SOP-SE/90/01	52.4	mg/l\m³
4	Carbon monoxide (as CO)	IS; 13270	< 0.2	% v/v
5	Lead (as Pb)	APHA-AIR/AAS	< 1.0	mg/Nin³
6	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/l√m²
				* * End of Report

lotes:

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- . The test report will not be used for any publicity/legal purpose.
- . The test samples will be disposed off after two weeks from the date of issued of test report, unless until

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Issue Date: 04/06/2010

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(An ISO 9001: 2008 Certified Company.

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

TEST REPORT

Stack Emission Analysis

Report Code: 30030051324

Issued To : UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS

-- NEW DELHI - 110007

Project Name : Delhi university north campus, Delhi Sample Description : Stack Emission (UIL/G01-2/62)

Sample Drawn on : 29/05/2013

Sample Drawn By : EPEPL (Mr. Keshav)

Sample Received on : 30/05/2013

Time of Sampling (Minutes) : 30

Sampling Plan & Procedure : SOP-SE/09

Sampling Location : Labour Camp (Dhaka)
Analysis Duration : 30/05/2013 To 03/06/2013
Source of Emission : Stack Attached To D.G. Set

Capacity : 62.5 KVA
Operating Load : Normal

Normal Operation Schedule : As per requirement
Type of Stack : Metal/Circular

Diameter of Stack (meter) : 0.1

Height of Stack from Ground Level (meter) : 3.2

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 : 6.0 lph
Ambient Temperature (deg.C) : 40.0
Stack Temperature (deg.C) : 108.0
Average Velocity of Flue Emission (m/sec) : 10.0
Average Flow Rate (lpm) : 14.9
Control Measures (if any) : Nil

Remark (if any) : At the time of sampling Temporary Platform provided by the customer

RESULTS

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Particulate Matter (PM)	IS :11255 Part I	. 36.4	mg/Nm ^a
2	Sulphur dioxide (as SO ₂)	IS :14255 Part II	13.7	mg/Nm ³
3	Oxides of Nitrogen (as NO _x)	SOP-SE/90/01	55.3	mg/Nm ³
4	Carbon monoxide (as CO)	IS: 13270	< 0.2	% v/v
5	Lead (as Pb)	APHA-AIR/AAS	< 1.0	mg/Nm³
6	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nni ²

* * End of Report

Notes:

- 1. The results given above are related to the tested sample, for various parameters, as observed at the time of sampling. The customer asked for the above tests only.
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- 3. The test report will not be used for any publicity/legal purpose.
- 4. The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer.
- 5. Responsibility of the Laboratory is limited to the invoiced amount only.

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(Analytical Division)

Issue Date: 0/1/09/201

(An ISO 9001: 2008 Certified Company)

College & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. 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

Stac	k	Emission	Analysis

Report Code: 30030051321

Issued To

OPP. - PATEL CHEST INSTITUTE

Project Name

Sample Description

Sample Drawn on

Sample Drawn By

Sample Received on

Time of Sampling (Minutes)

Sampling Plan & Procedure

Sampling Location

Analysis Duration

Source of Emission

Capacity

Operating Load

Normal Operation Schedule

Type of Stack

Diameter of Stack (meter)

Height of Stack from Ground Level (meter)

Height of Stack from Roof Level (meter)

Height of Sampling Location (meter)

Type of Fuel Used

Fuel Consumed per Hour Ambient Temperature (deg.C)

Stack Temperature (deg.C)

Average Velocity of Flue Emission (m/sec)

Average Flow Rate (lpm)

Control Measures (if any)

: UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG

UNIVERSITY CAMPUS

NEW DELHI - 110007

: Delhi university north campus, Delhi

: Stack Emission (UIL/G01-2/89)

29/05/2013

EPEPL (Mr. Keshav)

30/05/2013

: 30

: SOP-SE/09

Labour Camp (Dhaka)

30/05/2013 To 03/06/2013

Stack Attached To D.G. Set

125 KVA

: Normal

: As per requirement

: Metal/Circular

: 0.11

: 3.1

: Sampling done from Top of the Stack

: HSD

: 8.0 lph

: 40.0

: 120.0

: 12.2

: 17.6

: Nil

Remark (if any) : At the time of sampling Temporary Platform provided by the customer

RESULTS

C NA	PARAMETER	TEST METHOD	RESULT	UNIT
5.110	. PARAMETER	7E31 WETTOD	NEGOLI	QIIII
1	Particulate Matter (PM)	اڭ":11255 Part ا	49.5	mg/Nm
2	Sulphur dioxide (as SO ₂)	IS :11255 Part II	22.0	mg/Nm ²
3	Oxides of Nitrogen (as NO _x)	SOP-SE/90/01	65.5	mg/Hm ^a
4	Carbon monoxide (as CO)	IS: 13270	< 0.2	% V/V
5	Lead (as Pb)	APHA-AIR/AAS	< 1.0	mg/Mni ^a
6	Hydrocarbon (as HC)	APHA -AIR	< 1.0	mg/Nm²

** End of Report

lotes:

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- The test report will not be used for any publicity/legal purpose.
- The test samples will be disposed off after two weeks from the date of issued of test report, unless until specified by the customer

Contact: #91 - 991931 - 5

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		TEST REPORT	
		Illumination Monitoring	
Report Code: 110030051324			Issue Date: 01/06/2013
Issued To		: UNITY INFRAPROJECTS LTD.	
•		NEAR - CHHATRA MARG	
		OPP PATEL CHEST INSTITUTE	
	1	UNIVERSITY CAMPUS	
•		NEW DELHI - 110007	
Project Name		: Delhi university north campus, Delhi	
Sample Description:		: Light Intensity (LUX)	
Sample Drawn On		: 29/05/2013	
Sample Drawn by		: EPEPL (Mr. Raj Kumar)	
Sample Received On		: <i>'</i> \$0/05/2013	
Sampling Location		: Chemistry Building	
Sampling Plan & Procedure		: SOP-M/02	
Environmental Conditions		: Normal	
Analysis Duration		: 31/05/2013	

RESULT	S
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S.No.	PARAMETER	TEST METHOD		RESULT		UNIT
		***************************************	Max	Min	Avg.	
1	Light Intensity (Day Time)	SOP-IL/97/01	252	198	234	LUX

* * End of Repair

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- 3. The test report will not be used for any publicity/legal purpose.
- 1. Responsibility of the Laboratory is limited to the invoiced amount only.

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Crace & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, IMPLA... 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

	L. F.	ST REPOR	Т			
Illumination Monitoring						
Report Code: 110030051323					Issue Date:	Titl/ord/2004
Issued To	:	UNITY INFRAPE	ROJECTS	LTD.		
		NEAR - CHHATI	RA MARG			
•		OPP PATEL C	HEST INS	TITUTE		
	4	UNIVERSITY CA	MPUS			
	·	NEW DELHI - 11	0007			
Project Name		Delhi university r	north camp	us, Delhi	***************************************	
Sample Description	:	Light Intensity (L	UX)			
Sample Drawn On	:	29/05/2013				
Sample Drawn by	•	EPEPL (Mr. Raj	Kumar)			
Sample Received On		30/05/2013	,			
Sampling Location	:	Botany Building				
Sampling Plan & Procedure	;	SOP-M/02				
Environmental Conditions	:	Normal				
Analysis Duration	:	31/05/2013				
		RESULTS				
S.No. PARAMETER	Ti	EST METHOD		RESULT		ſίβijα.
			Max	Min	Avg.	

* * End of Reporc * *

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Notes:

- 1. The results given above are related to the observed values, at the time of monitoring.

 The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.

SOP-IL/97/01

3. The test report will not be used for any publicity/legal purpose.

Light Intensity (Day Time)

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

For E. P.E. F. L

_1 11

Contact: +91 934.

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

	TEST REPORT	THE PROPERTY OF THE PROPERTY O	
	Illumination Monitorin	1 q	
Report Code: 110030051325		Issue Date: 01/06/203	<i></i>
Issued To	: UNITY INFRAPROJI	JECTS LTD.	
	NEAR - CHHATRA N	MARG	
	OPP PATEL CHES	ST INSTITUTE	
	UNIVERSITY CAMP	PUS	
	NEW DELHI - 11000	07	
Project Name	: Delhi university north	h campus, Delhi	
Sample Description	: Light Intensity (LUX))	
Sample Drawn On	: 29/05/2013		
Sample Drawn by	: EPEPL (Mr. Raj Kum	nar) .	
Sample Received On	: <i>"</i> 30/05/2013		
Sampling Location	: Examination Building	g	
Sampling Plan & Procedure	: SOP-M/02		
Environmental Conditions	: Normal		
Analysis Duration	: 31/05/2013		
	RESULTS		
S.No. PARAMETER	TEST METHOD	RESULT UND	

S.No. PARAMETER		TEST_METHOD		RESULT	UMU		
			Max	Min	Avg.		
1	Light Intensity (Day Time)	SOP-IL/97/01	228	175	209	LU.:	

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Notes:

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·	TEST REPORT				
Illumination Monitoring					
Report Code: 110031051322		Issue Date: 03/06/2013			
Issued To	: UNITY INFRAPROJECTS LTD.				
	NEAR - CHHATRA MARG				
1 2	OPP PATEL CHEST INSTITUTE				
	UNIVERSITY CAMPUS				
	, NEW DELHI - 110007				
Project Name	: Delhi university north campus, Delhi	***************************************			
Sample Description	: Light Intensity (LUX)				
Sample Drawn On	: 30/05/2013				
Sample Drawn by	: EPEPL (Mr. Anuj)				
Sample Received On	: 31/05/2013				
Sampling Location	: Art & Social Science Building				
Sampling Plan & Procedure	: SOP-M/02				
Environmental Conditions	: Normal				
Analysis Duration	: 01/06/2013				

RESULTS

S.No. PARAMETER	TEST METHOD		RESULT		UHIT
1. 4.		Max	Min	Avg.	
1 Light Intensity (Day Time)	SOP-IL/97/01	154		142	LUX

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Notes:

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TEST REPORT

	1 1			
Illumination Monitoring				
Report Code: 110031051321			Issue Date: 00/08/99	
Issued To	:	UNITY INFRAPROJECTS LTD.		
		NEAR - CHHATRA MARG		
		OPP PATEL CHEST INSTITUTE		
•		UNIVERSITY CAMPUS		
	;	NEW DELHI - 110007		
Project Name		Delhi university north campus, Delhi	and the second persons as well as the second for the second construction of	
Sample Description	:	Light Intensity (LUX)		
Sample Drawn On	:	30/05/2013		
Sample Drawn by	:	EPEPL (Mr. Anuj)		
Sample Received On	:	31/05/2013		
Sampling Location	:	Labour Camp (Dhaka)		
Sampling Plan & Procedure	:	SOP-M/02		
Environmental Conditions	:	Normal		
Analysis Duration	:	01/06/2013		

RESULTS

3.No. PARAMETER		TEST METHOD	RESULT			UND	
			Max	Min	Avg.		
1	Light Intensity (Day Time)	SOP-IL/97/01	219	170	205	LUA.	

* * End of Report 1.4

lotes:

- . The results given above are related to the observed values, at the time of monitoring.
- The customer asked for the above tests only.
- . This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.
- . The test report will not be used for any publicity/legal purpose.
- . Responsibility of the Laboratory is limited to the invoiced amount only.

For E. P. E. P. L.

(Authorised Signatory i

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Issued To

Report Code: 700300513

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(Analytical Division)

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Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 205-008, UPSIDC Industrial Area, UPSIDC Industri

TEST REPORT

317		3	Issue	Date:	W1/00/501
	:	UNITY INFRAPROJECTS LTD.			
		NEAR - CHHATRA MARG			

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Project Name	: Delhi university north campus, Delhi
Sample Description	: Ambient Noise (24 Hrs) .

Sample Drawn on : 29/05/2013 To 30/05/2013
Sample Drawn By : EPEPL (Mr. Keshav)

Sample Received on : 30/05/2013

Sampling Location : Chemistry Building

Sampling Plan & Procedure : SOP-N/01
Weather Conditions : Clear
Analysis Duration : 31/05/2013

RESULTS

5.No.	. PARAMETER	TEST METHOD	RESULT	UNIT	
1	Leq (24 Hrs.)	SOP-N/94/01	50.7	dB(A)	
2	L Day		56.9	dB(A)	
3	L Night		41.7	dB(A)	
4	L dn		49.3	dB(A)	
5	L Max (24 Hrs.)		65.2	dB(A)	
6	L Min (24 Hrs.)		39.4	dB(A)	
7	L 90		42.8	dB(A)	
8	L 50		50.1	dB(A)	
, 9	L 10		56.2	dB(A)	

* * End of Report / 1

otes:

- . The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.

The test report will not be used for any publicity/legal purpose.

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

Forth R. D. W. S.





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(Analytical Objection

Issue Date: 0.4/09/49

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Noise	Monitoring
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Report Code: 70031051337

Issued To

: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS **NEW DELHI - 110007**

Project Name

: Delhi university north campus, Delhi

Sample Description

DG Noise from Chemistry Building (UIL/G01-2/12)

Sample Drawn on

30/05/2013

j

Sample Drawn by

EPEPL (Mr. Anuj)

Sample Received on

31/05/2013

Sampling Location

1 Meter away from DG Set (125 KVA)

(When DG Set was running)

Sampling Plan & Procedure

: SOP-N/01

Environmental Conditions

: Normal

Analysis Duration

: 01/06/2013

RESULTS

S.No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Equivalent Noise Level	SOP-N/94/01	66.9	dB (A)

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
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- 3. The 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:



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Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, 16014, 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

Noise Monitoring					
Report Code: 70030051316 ssued To	: UNITY INFRAPROJECTS LTD. NEAR - CHHATRA MARG OPP PATEL CHEST INSTITUTE UNIVERSITY CAMPUS NEW DELHI - 110007	Issue Date : 01/06/2013			
roject Name ample Description	: Delhi university north campus, Delhi : Ambient Noise (24 Hrs)				

ample Description	: Ambient Noise (24 Flrs)
ample Drawn on	: 29/05/2013 To 30/05/2013
ample Drawn By	: EPEPL (Mr. Keshav)
ample Received on:	: 30/05/2013

ample Received on : 30/05/2013

ampling Location : Botany Building ampling Plan & Procedure : SOP-N/0⁴

/eather Conditions : Clear

nalysis Duration : 31/05/2013

RESULTS

No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Leq.(24 Hrs.)	SOP-N/94/01	51.8	dB(A)
2	L Day		56.2	dB(A)
3	L Night		42.9	dB(A)
4	L dn		49.6	dB(A)
5	L Max (24 Hrs.)		66.3	dB(A)
6	L Min (24 Hrs.)		40 .9	dB(A)
7	L 90	•	43.7	dB(A)
8	L 50		50.3	dB(A)
9	L 10		55.4	dB(A)
		; 	~~~~~~~~~~	

* * End of Report

tes .

The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.

This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory. The test report will not be used for any publicity/legal purpose.

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

FORE P. F. D. L



eko pro engineers pwi, alim

(Analytical Divisions

(An ISO 9001: 2008 Certified Company)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 20 i 003, UF, IdClor. 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 REPO)RT	н до применения в настройний в н Настройний в настройний в настройни	temporphistics and the second state (see)	
	Noise Monito		· · · · · · · · · · · · · · · · · · ·		
Report Code: 70031051336			Issue	Date: 03/06/2015	
Issued To	: UNITY INFRAPROJI				
	NEAR - CHHATRA N				
$\mathbb{R}^{n} = \mathbb{R}^{n}$	OPP PATEL CHES		E .		
	NEW DELHI - 11000				
	1	,			
Project Name	: Delhi university north	campus, De	lhi		
Sample Description	: DG Noise from Botar	ıy Building (L	JIL/G01-2/83)	•	
Sample Drawn on	: 30/05/2013	•			
Sample Drawn by	: EPEPL (Mr. Anuj)				
Sample Received on	: 31/05/2013				
Sampling Location	: 1.0 Meter away from	DG Set (62.5	5 KVA)		
	(When DG Set was r	unning)			
Sampling Plan & Procedure	: SOP-N/01	SOP-N/01			
Environmental Conditions	: Normal	•			
Analysis Duration	: 01/06/2013		•		
4	RESULTS				
.No. PARAMETER	TEST METHOD	RESULT	UNIT		
Equivalent Noise Level	SOP-N/94/01	63.2	dB (A)		

* * End of Repen

ites :

The results given above are related to the observed values, at the time of monitoring.

The customer asked for the above tests only.

This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory.

The test report will not be used for any publicity/legal purpose.

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

FOR INTEREST.



eko pro engineers pvt.

(Analytical Division

(An ISO 9001: 2008 Certified Computer)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, Interest 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

i a		Noise Monitoring	
Report Code: 70030051318			Issue Date : 01/00/101 /
'ssued To		JNITY INFRAPROJECTS LTD. IEAR - CHHATRA MARG	
	U	OPP PATEL CHEST INSTITUTE INIVERSITY CAMPUS IEW DELHI - 110007	
³roject Name	: D	Pelhi university north campus, Delhi	

Sample Description : Ambient Noise (24 Hrs)
Sample Drawn on : 29/05/2013 To 30/05/2013
Sample Drawn By : EPEPL (Mr. Raj Kumar)

Sample Received on : 30/05/2013

sampling Location : Examination Building

Jampling Plan & Procedure: SOP-N/01Veather Conditions: ClearInalysis Duration: 31/05/2013

RESULTS

No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Leg (24 Hrs.)	SOP-N/94/01	50.8	dB(A)
2	L Day		55.4	dB(A)
3	L Night		42.8	dB(A)
4	L dn		49.1	dB(A)
5	L Max (24 Hrs.)		67.3	dB(A)
6	L Min (24 Hrs.)		40.3	dB(A)
7	L 90		44.8	dB(A)
8	L 50		49.8	dB(A)
9	L 10		54.7	dB(A)

* * End of Report * *

tes:

15

The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.

This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory. The test report will not be used for any publicity/legal purpose.

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

Forth Post Fit.



eko pro engineers put lie

(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, IHOLA. 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

		Noise Monitoring	
Report Code : 70031051335			Issue Date: 09/90/2012
Issued To	:	UNITY INFRAPROJECTS LTD.	
		NEAR - CHHATRA MARG	
		OPP PATEL CHEST INSTITUTE	
		UNIVERSITY CAMPUS	
		NEW DELHI - 110007	
Duck of Name	!	Dollar	
Project Name		Delhi university north campus, Delhi	
Sample Description	:	Ambient Noise (24 Hrs)	
Sample Drawn on	:	30/05/2013 To 31/05/2013	
Sample Drawn By	:	EPEPL (Mr. Raj Kumar)	
Sample Received on	:	31/05/2013	
Sampling Location	:	Art & Social Science Building	
ampling Plan & Procedure	:	SOP-N/01	
Veather Conditions	· :	Clear	

RESULTS

: 01/06/2013

No.	PARAMETER	TEST METHOD	RESULT	UNIT
1	Leq (24 Hrs.)	SOP-N/94/01	49.8	dB(A)
2	L Day		54.3	dB(A)
3	L Night		40.7	dB(A)
4	L dn		47.5	dB(A)
5	L Max (24 Hrs.)		64.3	dB(A)
6	L Min (24 Hrs.)		39.2	dB(A)
7	L 90		41.7	dB(A)
8	L 50		48.5	dB(A)
9	L 10		53.9	dB(A)

* * End of Report * *

tes ·

nalysis Duration

The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.

This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory. The test report will not be used for any publicity/legal purpose.

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

For E. P. E. P. I.



eko pro engineers pvil i

(Analytical Division)

(An ISO 9001: 2008 Certified (formpany)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, HPHA. 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

		Noise Monitoring	
Report Code : 70031051334			Issue Date : 03/06/2013
ssued To	:	UNITY INFRAPROJECTS LTD.	
,		NEAR - CHHATRA MARG	
		OPP PATEL CHEST INSTITUTE	
		UNIVERSITY CAMPUS	
		NEW DELHI - 110007	
roject Name	:	Delhi university north campus, Delhi	
Sample Description	:	Ambient Noise (24 Hrs)	
ample Drawn on	:	30/05/2013 To 31/05/2013	
ample Drawn By	:	EPEPL (Mr. Raj Kumar)	
ample Received on	:	31/05/2013	
ampling Location	:	Labour Camp (Dhaka)	
ampling Plan & Procedure	:	SOP-N/0 ^a	
√eather Conditions	;	Clear	

RESULTS

: 01/06/2013

* * End of Report * *

tes ·

nalysis Duration

The results given above are related to the observed values at the time of monitoring. The customer asked for the above tests only.

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

For F. P. R. D. L.

Contact: 491 - 98302 1560.

eko pro engineers pvi. Tid.

(Analytical Division)

Issue Date: 03/06/2010

(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

	B. 0 4 4	
NAICA	MACHICANIC	
140196	Monitoring	

Report Code: 70031051338

: UNITY INFRAPROJECTS LTD.

NEAR - CHHATRA MARG

OPP. - PATEL CHEST INSTITUTE

UNIVERSITY CAMPUS NEW DELHI - 110007

Project Name

Issued To

: Delhi university north campus, Delhi

Sample Description

: DG Noise from Labour Camp (Dhaka) (UIL/G01-2/89)

Sample Drawn on

: 30/05/2013

Sample Drawn by

: EPEPL (Mr. Anuj)

Sample Received on

31/05/2013

Sampling Location

: 1 Meter away from DG Set (125 KVA)

(When DG Set was running)

Sampling Plan & Procedure

: SOP-N/01

Environmental Conditions

: Normal

Analysis Duration

: 01/06/2013

RESULTS

S.No. PARAMETER		TEST METHOD	RESULT	UNIT
1	Equivalent Noise Level	SOP-N/94/01	65.8	dB (A)

* * End of Report * *

Notes:

- 1. The results given above are related to the observed values, at the time of monitoring. The customer asked for the above tests only.
- 2. This test report will not be generated again, either wholly or in part, without prior written permission of the Laboratory
- 3. The test report will not be used for any publicity/legal purpose.
- 4. Responsibility of the Laboratory is limited to the invoiced amount only.

For E.P. E.P. L



eko pro engineers pyr

(Analytical Divisions

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Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, 1801A. 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				
		Noise Mon	itoring	
Report Code: 70031051339 Issued To	:	UNITY INFRAPR	OJECTS LTD.	Issue Date: 03/06/2013
	(UNIVERSITY CA	-IEST INSTITUTE MPUS	
	}	NEW DELHI - 11	0007	
Project Name	:	Delhi university n	orth campus, Dell	ii
Sample Description	: 1	DG Noise from La	abour Camp (Dha	ka) (UIL/G01-2/62)
Sample Drawn on	; ;	30/05/2013		
Sample Drawn by	: 1	EPEPL (Mr. Anuj)	
Sample Received on	: :	31/05/2013		
Sampling Location	: '	1 Meter away fror	m DG Set (62.5 K)	/A)
		(When DG Set w	as running)	
Sampling Plan & Procedure	: 8	SOP-N/01		•
Environmental Conditions	: 1	Normal		·
Analysis Duration	: (01/06/2013		
		RESUL [*]	TS	
S.No. PARAMETER	TES	ST METHOD	RESULT	UNIT

/	(ari		
			* * End of Report * *
lotos :		,	•

62.5

dB (A)

. The results given above are related to the observed values, at the time of monitoring.

SOP-N/94/01

The customer asked for the above tests only.

Equivalent Noise Level

- . This test report will not be generated again, either wholly or in part, without prior written permission of the Laborato A
- . The test report will not be used for any publicity/legal purpose.
- . Responsibility of the Laboratory is limited to the invoiced amount only.

For E. P. E. P. J.



By Land.

ENGINEERING DEPARTMENT (NORTH CAMPUS) UNIVERSITY OF DELHI DELHI - 110007

DE EVE 1500 150E

PHONE: 27667157, 27667725--EXT.1700-1705

FAX NO: 911 - 27666007

REF. NO. UE/ 113

/DU/ (2013-14)

DATED: 08.04.2013

9/41

The Secretary Delhi Pollution Control Committee 4th floor, ISBT building Kashmere Gate Delhi-110006

Sub: Development of Infrastructure facilities for Institutional buildings at Delhi University - Submission of periodic Environmental monitoring reports-Construction phase.

Dear Sir,

With reference to the SEIAA approval letter No. F.No. 82/DPCC/SEIAA-SEAC/10/2545-2549 dt. 16.03.2012, enclosed please find herewith the original copies of Environmental Monitoring Reports (22 sheets) for the environment monitoring conducted at respective construction sites of Institutional buildings project which has been conducted by M/s Spectro Analytical Labs Limited, NABL accredited and MoEF approved lab and in-line with DPCC requirement.

Thanking you,

Copy to:

Yours faithfully

University Engineer

04/08/415

Encl: Environmental Monitoring Reports (22 Sheets)

1. Site Incharge, M/s EIL for information & necessary action please.

University Engineer

EIL/Infra/DU/Inst./248 Dated: 05.04.2013

	Annexure- A				
SL. No	Location	Report Title			
1.	Examination building				
2.	Chemistry building				
3.	Botany building	Ambient Noise Monitoring Report			
4.	Art & Social Science building				
5.	Dhaka Labour Camp				
6.	Examination building	-			
7.	Chemistry building	Ambient Air Analysis Report			
8.	Botany building				
9.	Art & Social Science building				
10.	Dhaka Labour Camp				
11.	Examination building				
12.	Chemistry building	Light Intensity Report			
13.	Botany building	Light intensity report			
14.	Art & Social Science building	·			
15.	Chemistry building				
16.	Botany building	Stack Emission Analysis Report			
17.	Dhaka Labour Camp				
18.	Dhaka Labour Camp	1			
19.	Chemistry building				
20.	Botany building	Noise Analysis Report			
21.	Dhaka Labour Camp				
22.	Dhaka Labour Camp				

Eu.





Ph: - 91-11-40522000, 41611000 Fax: 91-11-40503150, 40503151 care@spectro.in www.spectro.in

TEST REPORT

Issued To: UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No .: Sample Description:

130226081/1302260259

Date: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn.:

9953105498

MR. KAUSHLESH KUMAR

Your Ref. No.:

AMBIENT NOISE

AMBIENT NOISE MONITORING REPORT

ID: 1302260259

Name of the Site: Unity Infra Projects: (University Of Delhi-North Campus)

Location: Near Examination Building Date: 26/02/2013 to 27/02/2013

Time	Hourly Leq dB (A)	Result	dB (A)
MIDNIGHT	45.4	Leq	59.4
1:00 AM	45.1	L10	64.1
2	46.7	L50	62.2
3	44.5	L90	59.9
4	47.2	Lday	61.1
5	48.7	Lnight	46.2
6	49.3	Ldn	60.0
7	50.7	Lmax	. 64.5
8	55.6	Lmin	44.5
9	59.1		
10	63.6		
11	63.2		
12 NOON	64.5		
. 13	63.7]	
14	64.2		•
15	61.3		
16	62.6		
17	63.4		
. 18	59.3		•
19	55.2		
20	53.3		
21	47.5		
22	46.4		
23	46.3		

Category of Area	Limits in day (dB)	Limits in Night (dB)
A Industrial	75	70
B Commercial	65	55
C Residential	55	45
D Silence Zone	50	40

Protocol: IS 4954: 1968







Authorised Signatory

care@spectro.in www.spectro.in Fax: 91-11-40503150, 40503151 Ph: - 91-11-40522000, 41611000 New Delhi-110020 (INDIA) E-41, Okhla Indl. Area, Ph-II,

DOR 26-Feb-2013





TEST REPORT

Date: 14-Mar-2013 130226081/1302260259

Sample Description: Report No.:

VWRIENT NOISE MONITORING REPORT

1352,13TH FLR, AGGARWAL METRO HEIGHT UNITY INFRAPROJECTS LTD.(PITAMPURA)

NETAJI SUBHASH PLACE

PITAMPURA NEW DELHI - 122016

MR. IKAUSHLESH KUMAR 8642016266

:.nt)A bni>

: oT beusel

Your Ref. No.:

AMBIENT NC:SE

ID: 1307760729

Date: 26/02/2013 to 27/02/2013 Location: Near Chemistry building Name of the Site: Unity Infra Projects:(University Of Delhi-North Campus)

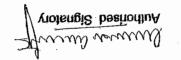
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St	Commercial	B
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Protocol: 15 4954: 1968











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UNITY INFRAPROJECTS LTD.(PITAMPURA) Issued To:

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No .:

130226081/1302260259

Date: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: (ind Attn. :

9953105498

MR. KAUSHLESH KUMAR

Your Ref. No.:

Sample Description:

AMBIENT NOISE

ID: 1302260259

AMBIENT NOISE MONITORING REPORT

Name of the Site: Unity Infra Projects: (University Of Delhi-North Campus)

13

14 15

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22

Location: Near Botany building Date: 27/02/2013 to 28/02/2013

	,		
Time	Hourly Leq dB (A)	Result	dB (A)
MIDNIGHT	45.1	Leq	54.5
1:00 AM	47.2	L10	58.3
2	46.7	L50	56.8
3	46.1	L90	55.0
. 4	47.4	Lday	55.9
5	49.3	Lnight	47.8
6	50.3	Ldn	56.6
7	52.4	Lmax	58.8
8	53.6	Lmin	45,1
9	54.9		
10	55.3		
11	56.2		
12 NOON	58.8		

57.1

57.9

55.3

56.8

57.6 58.1

56.8

53.3

51.7

48.3



2	3 45.9		
Area	Category of Area	Limits in day (dB)	Limits in Night (dB)
A	Industrial	75	70
B	Commercial	65	55
C	Residential	55	45
D	Silence Zone	50	40

Protocol: IS 4954: 1968



Analmatic อเดเมลงเองอลกกกแล เกลดลด





Ph: - 91-11-40522000, 41611000 Fax: 91-11-40503150, 40503151 care@spectro.in www.spectro.in

TEST REPORT

Report No.:

Issued To:

UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Sample Description: AMBIENT NOISE

130226081/1302260259

57.9 62.5 60.6 58.5 59.6 48.0 59.1 62.8 44.1

Date:

14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn.:

9953105498 MR. KAUSHLESH KUMAR

Your Ref. No. :

ID: 1302260259

AMBIENT NOISE MONITORING REPORT

Name of the Site: Unity Infra Projects: (University Of Delhi-North Campus)

19

20

21

22

23

Location: Arts and social Science Building

Date: 27/02/2013 to 28/02/2013

013			
Time	Hourly Leg dB (A)	Result	dB (A)
MIDNIGHT	44.9	Leq	57.9
1:00 AM	44.1	L10	62.5
2	45.4	L50	60.6
3	44.5	L90	58.5
4	45.3	Lday	59.6
5	46.1	Lnight	,48.0
6	50.2	Ldn	59.1
. 7	51.7	Lmax	62.8
8	53.1	Lmin	44.1
9	57.9		
10	60.4		
11	61.8		
12 NOON	60.4		
13	62.8		
14	60.3		
15	61.6		
16	62.7		
17	59.4		
18	61.7		



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	Area	Category of Area	Limits in day (dB)	Limits in Night (dB)
ŀ	A	Industrial	75	70
t	В	Commercial	65	55
ŀ	$\frac{\tilde{C}}{C}$	Residential	55	45
İ	D	Silence Zone	50	40

Protocol: IS 4954: 1968

57.9

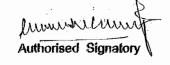
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50.9

46.1











Ph: - 91-11-40522000, 41611000 Fax: 91-11-40503150, 40503151 care@spectro.in www.spectro.in

REPORT

Issued To: UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No.:

130226081/1302260259

lt dB (A)

58.1 63.3 60.7 58.6 59.6 49.0 59.4 63.8 44.7

14-Mar-2013 Dale:

DOR 26-Feb-2013

Sample Descrition:

AMBIENT NO! :E

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Alln. :

9953105498

MR. KAUSHLESH KUMAR

Your Ref. No. :

ID: 1302260259

AMBIENT NOISE MONITORING REPORT

Name of the Site: Unity Infra Projects :(University Of Delhi-North Campus)

Location: Near Dhaka Labour Camp Date: 27/02/2013 to 28/02/2013

Time	Hourly Leq dB (A)	Resul
MIDNIGHT	46.2	Leq
1:00 AM	44.9	L10
2	45.4	L50
3	44.7	L90
4	45.3	Lday
5	46.1	Lnight
. 6	48.2	Ldn
7	51.7	Lmax
8	54.8	- Lmin
9	55.9	
10	57.4	
11	57.9	_
12 NOON	59.4	
. 13	63.8	
14	63.4	
15	61.6	
16	62.7	
17	60.4	
18	61.7	_
19	58.3	
20	57.5	
21	54.6	
22	50.9	_



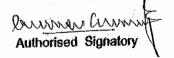
	Limits in day (dB)	Limits in Night (dB)
Area Category of Area	Limits in day (db)	70
A Industrial		
B Commercial	65	55
	55	45
C Residential		40
D Silence Zone	50	

Protocol: 1S 4954; 1968

47.1











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TEST REPORT

Issued To: UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No .:

130226081/1302260261

Dale: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn. :

9953105498 MR. KAUSHLESH KUMAR

Your Ref. No. :

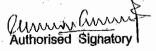
AMBIENT AIR

1D: 1302260261 <u>Ain</u>	bient	<u>Air Analysis R</u>	<u>Report</u>		
Name & Address of the Company			ra Projects Limite ji Subhash Place, N	d: 1352, Aggarwal Metro New Delhi-110034	
Name of the Site				of Delhi-North Campus)	
Location of Sampling Point		Near Examina	tion Building		
Date of Sampling	-	25/02/2013			
Sampling Started at	-	01:00 P.M. (20	5/02/2013)		
Sampling Completed at		01:00 P.M. (21	7/02/2013)		
Actual Time of Sampling (minutes)		1440			
Av. Flow Rate for SPM (m³/min.)	-	1.05			
Total Volume of Air Sampled for SPM (m ³)	_	1512			
Average Ambient Temperature (°C)		27			
Purpose of Monitoring		To Assess Pol	lution Load		
PARAMETERS RESULTS Limits as per CPCB (MOEF)					
			Industrial, Residential, Rural & other areas	Ecologically Sensitive Area (notified by Central Government)	
Particulate Matter PM 2.5 (µg/m³)	-	. 71	60	. 60	
Particulate Matter PM 10 (µg/m³)		133	100	100	
Sulphur Dioxide (as SO ₂) (μg/m ³)	-	<5.0	80	80	
Oxides of Nitrogen (as NO ₂) (μg/m ³)	-	33.7	80	80	
Carbon Monoxide (as CO), (mg/m³)	-	1.05	02	. 02	
Ozone (as O ₃) (µg/m ³)		31.3	100	-100	
Lead (as Pb) (µg/m³)		N.D	1.0	1.0	
Ammonia (as NH ₃) (μg/m ³)		18.2	400	400	
Benzene (as C_6H_6) ($\mu g/m^3$)		N.D	05	05	
Benzo (O) Pyrene (as BaP) (ng/m³)	-	N.D	01	-01	
	-	N.D	06	. 06	
Arsenic (as As) (ng/m³)		N.D	- 20	20	













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TEST REPORT

UNITY INFRAPROJECTS LTD.(PITAMPURA) ssued To:

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No.:

130226081/1302260261

Date: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: (ind Attn. :

9953105498 MR. KAUSHLESH KUMAR

Your Ref. No.:

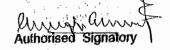
AMBIENT AIR

ID: 1302260261	ent	<u>Air Analysis R</u>	<u>epoit</u>	
Name & Address of the Company	-	M/s Unity Inf heights, Netaj	ra Projects Limite i Subhash Place, N	ed: 1352, Aggarwal Metro New Delhi-110034
Name of the Site	-			of Delhi-North Campus)
Location of Sampling Point	~	Near Chemistr	y Building	
Date of Sampling	_	26/02/2013		
Sampling Started at	~	02:10 P.M. (20	5/02/2013)	
Sampling Completed at	~	02:10 P.M. (27	7/02/2013)	
Actual Time of Sampling (minutes)	-	1440	<u> </u>	<u> </u>
Av. Flow Rate for SPM (m³/min.)	~	1.1		
Total Volume of Air Sampled for SPM (m ³)		1584		
Average Ambient Temperature (°C)	-	27	•	
Purpose of Monitoring	-	To Assess Poll	ution Load	. ,
PARAMETERS		RESULTS	<u>Limits a</u>	s per CPCB (MOEF)
			Industrial, Residential, Rural & other areas	Ecologically Sensitive Area (notified by Central Government)
Particulate Matter PM _{2.5} (µg/m ³)		51	60	60
Particulate Matter PM 10 (µg/m³)		109	100	100
Sulphur Dioxide (as SO ₂) (μg/m ³)	-	< 5.0	80	80
Oxides of Nitrogen (as NO ₂) (µg/m ³)		35.4	80	80
Carbon Monoxide (as CO), (mg/m³)	~	1.12	02	02
Ozone (as O ₃) (μg/m ³)	-	40.3	100	100
Lead (as Pb) (μg/m³)	n.	N.D	1.0	1.0
Ammonia (as NH ₃) (μg/m ³)	-	22.5	400	400
Benzene (as C ₆ H ₆) (µg/m³)		N.D	05	05
Benzo (O) Pyrene (as BaP) (ng/m³)	-	N.D	01	01
Arsenic (as As) (ng/m³)	-	N.D	06	06
		N.D	20	20













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TEST REPORT

UNITY INFRAPROJECTS LTD.(PITAMPURA) sued To:

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No.:

130226081/1302260261

Dale: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

none/Fax:

9953105498 MR. KAUSHLESH KUMAR

Your Ref. No.:

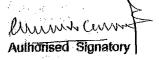
AMBIENT AIR

Name of the Site Location of Sampling Point Date of Sampling Sampling Started at Sampling Completed at Av. Flow Rate for SPM (m³/min.) Total Volume of Air Sampled for SPM (m³) Average Ambient Temperature (°C) - Unity Infra Projects: (University Of Delhi-North Campus) - Near Botany Building - 26/02/2013 - 26/02/2013 - 02:40 P.M. (26/02/2013) - 02:40 P.M. (27/02/2013) - 1440 - 1.15 - 1656 - 27	Amb	<u>ient</u>	Air Analysis R	<u>teport</u>	
Date of Sampling Point - Near Botany Building - 26/02/2013 - 26/02/2013 - 26/02/2013 -	Name & Address of the Company .	-			
Date of Sampling - 26/02/2013 - 20:40 P.M. (26/02/2013) - 20:40 P.M. (26/02/2013) - 20:40 P.M. (27/02/2013)	Name of the Site	-	Unity Infra Pro	ojects:(University O	f Delhi-North Campus)
Sampling Started at - 02:40 P.M. (26/02/2013)	Location of Sampling Point	-	Near Botany B	Building	
Sampling Completed at -	Date of Sampling	-	26/02/2013		
Actual Time of Sampling (minutes) Av. Flow Rate for SPM (m³/min.) Total Volume of Air Sampled for SPM (m³) Average Ambient Temperature (°C) Purpose of Monitoring PARAMETERS PARAMETERS PARAMETERS Particulate Matter PM 2.5 (μg/m³) Particulate Matter PM 10 (μg/m³) Particulate Matter PM 10 (μg/m³) Sulphur Dioxide (as SO ₂) (μg/m³) Oxides of Nitrogen (as NO ₂) (μg/m³) Carbon Monoxide (as CO), (mg/m³) Lead (as Pb) (μg/m³) Ammonia (as NH ₃) (μg/m³) Ammonia (as NH ₃) (μg/m³) Arsenic (as As) (ng/m³) Arsenic (as Ni) (ng/m³) Arsenic (as As) (ng/m³) Arsenic (as As) (ng/m³) Arsenic (as As) (ng/m³) Arsenic (as Ni) (ng/m³) Ar	Sampling Started at	-	02:40 P.M. (26	5/02/2013)	
Av. Flow Rate for SPM (m³/min.) Total Volume of Air Sampled for SPM (m³) Average Ambient Temperature (°C) Purpose of Monitoring - To Assess Pollution Load PARAMETERS RESULTS Limits as per CPCB (MOEF) Industrial, Rural & other areas Particulate Matter PM 2.5 (μg/m³) Particulate Matter PM 10 (μg/m³) - 54 60 60 Particulate Matter PM 10 (μg/m³) - 117 100 100 Sulphur Dioxide (as SO ₂) (μg/m³) - 55.0 80 80 Oxides of Nitrogen (as NO ₂) (μg/m³) - 39.1 80 Carbon Monoxide (as CO), (mg/m³) - 39.1 80 Carbon Monoxide (as CO), (mg/m³) - 33.7 100 Cardon (as O ₃) (μg/m³) - N.D 1.0 Lead (as Pb) (μg/m³) - N.D 1.0 Ammonia (as NH ₃) (μg/m³) - 19.8 400 Ammonia (as NH ₃) (μg/m³) - N.D 05 Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 Arsenic (as As) (ng/m³) - N.D 06 Nickel (as Ni) (ng/m³) - N.D 06 Nickel (as Ni) (ng/m³) - N.D 06 Nickel (as Ni) (ng/m³) - N.D 20	Sampling Completed at	-	02:40 P.M. (27	7/02/2013)	
Total Volume of Air Sampled for SPM (m³) - 1656 Average Ambient Temperature (°C) - 27 Purpose of Monitoring - To Assess Pollution Load PARAMETERS RESULTS Limits as per CPCB (MOEF) Industrial, Residential, Rural & other areas Particulate Matter PM 2.5 (μg/m³) - 54 60 60 Particulate Matter PM 10 (μg/m³) - 1117 100 100 Sulphur Dioxide (as SO ₂) (μg/m³) - < 5.0 80 80 Oxides of Nitrogen (as NO ₂) (μg/m³) - 1.20 02 02 Ozone (as O ₃) (μg/m³) - 1.20 02 02 Ozone (as O ₃) (μg/m³) - N.D 1.0 1.0 Ammonia (as NH ₃) (μg/m³) - 19.8 400 400 Benzene (as C ₆ H ₆) (μg/m³) - N.D 05 05 Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 01 Arsenic (as As) (ng/m³) - N.D 06 06 N.D N.D 06 06 N.D N.D 01 01 Oxides (as Ni) (ng/m³) - N.D 06 06 Oxides (as Ni) (ng/m³) - N.D 07 Oxides (as Ni) (ng/m³) - N.D 08 Oxides (as Ni) (ng/m³) - N.D 09 Oxides (as Ni) (ng/m³) - N.D	Actual Time of Sampling (minutes)	-	1440		
A verage Ambient Temperature (°C) - 27	Av. Flow Rate for SPM (m³/min.)		1.15		
Purpose of Monitoring - To Assess Pollution Load	Total Volume of Air Sampled for SPM (m ³)	_	1656		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Average Ambient Temperature (°C)	-	27		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Purpose of Monitoring	-	To Assess Poll	lution Load	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	PARAMETERS		RESULTS	Limits a	per CPCB (MOEF)
Particulate Matter PM $_{2.5}$ (µg/m³) - 54 60 60 Particulate Matter PM $_{10}$ (µg/m³) - 117 100 100 Sulphur Dioxide (as SO ₂) (µg/m³) - <5.0 80 80 Oxides of Nitrogen (as NO ₂) (µg/m³) - 39.1 80 80 Carbon Monoxide (as CO), (mg/m³) - 1.20 02 02 Ozone (as O ₃) (µg/m³) - 1.00 100 Lead (as Pb) (µg/m³) - N.D 1.0 1.0 Ammonia (as NH ₃) (µg/m³) - 19.8 400 400 Benzene (as C ₆ H ₆) (µg/m³) - N.D 05 05 Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 01 Arsenic (as As) (ng/m³) - N.D 06 06 Nickel (as Ni) (ng/m³) - N.D 20 20				Residential, Rural	Area (notified by
Particulate Matter PM $_{10}$ (μg/m³) - 117 100 100 Sulphur Dioxide (as SO ₂) (μg/m³) - <5.0	Particulate Matter PM 2.5 (µg/m³)	-	54		60
Sulphur Dioxide (as SO ₂) (μ g/m³)		-	117	100	100
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-	< 5.0	80	80
Carbon Monoxide (as CO), (mg/m³) - 1.20 02 02 Ozone (as O_3) (µg/m³) - 33.7 100 100 Lead (as Pb) (µg/m³) - N.D 1.0 1.0 Ammonia (as NH ₃) (µg/m³) - 19.8 400 400 Benzene (as C_6H_6) (µg/m³) - N.D 05 05 Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 01 Arsenic (as As) (ng/m³) - N.D 06 06 Nickel (as Ni) (ng/m³) - N.D 20 20		_	39.1	80	. 80
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		_			
Lead (as Fb) (μg/m²) - 19.8 400 400 Ammonia (as NH ₃) (μg/m³) - 19.8 400 400 Benzene (as C ₆ H ₆) (μg/m³) - N.D 05 05 Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 01 Arsenic (as As) (ng/m³) - N.D 06 06 Nickel (as Ni) (ng/m³) - N.D 20 20	Ozone (as O_3) ($\mu g/m^3$)	_			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Lead (as Pb) (μg/m³)	_	l————		· · · · · · · · · · · · · · · · · · ·
Benzelle (as $C_6 H_6$) (µg/Hf) Benzo (O) Pyrene (as BaP) (ng/m³) - N.D 01 Arsenic (as As) (ng/m³) - N.D 06 06 Nickel (as Ni) (ng/m³) - N.D 20 20					
Arsenic (as As) (ng/m³) - N.D 06 06 Nickel (as Ni) (ng/m³) - N.D 20 20					
Arsenic (as As) (ng/m ³) - N.D 20 20	Benzo (O) Pyrene (as BaP) (ng/m³)				
Nickel (as Ni) (ng/iii)	Arsenic (as As) (ng/m³)				
	Nickel (as Ni) (ng/m³)		N.D		













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TEST REPORT

ssued To:

UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PŁACE

Report No.:

130226081/1302260261

Date: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELI-II - 122016

Phone/Fax: (ind Attn. :

9953105498 MR. KAUSHLESH KUMAR

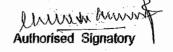
Your Ref. No.:

AMBIENT AIR

	ment	<u> Air Analysis R</u>	<u>ceport</u>	
Name & Address of the Company	-		ra Projects Limite ji Subhash Place, N	d: 1352, Aggarwal Metro lew Delhi-110034
Name of the Site	-			of Delhi-North Campus)
Location of Sampling Point	-		Science Building	
Date of Sampling		26/02/2013		
Sampling Started at	-	02:10 P.M. (20	5/02/2013)	
Sampling Completed at	-	02:10 P.M. (27	7/02/2013)	
Actual Time of Sampling (minutes)		1440		
Av. Flow Rate for SPM (m³/min.)	_	1.05		
Total Volume of Air Sampled for SPM (m ³)		1512	<u>-</u>	
Average Ambient Temperature (°C)		27		
Purpose of Monitoring		To Assess Pol	lution Load	
PARAMETERS		RESULTS	Limits as	s për CPGB (MOEF)
		·	Industrial, Residential, Rural & other areas	Ecologically Sensitive Area (notified by Central Government)
Particulate Matter PM 2.5 (µg/m³)	-	55	60.	60
Particulate Matter PM 10 (µg/m³)		124	100	100
Sulphur Dioxide (as SO ₂) (μg/m ³)	-	<5.0	80	80
Oxides of Nitrogen (as NO ₂) (µg/m ³)	_	42.7	80	80
Carbon Monoxide (as CO), (mg/m ³)	-	1.09	. 02	02
Ozone (as O_3) (μ g/m ³)		41.8	100	100
Lead (as Pb) (μg/m³)	-	N.D	1.0	1.0
Ammonia (as NH ₃) (μg/m ³)		21.4	400	400
Benzene (as C_6H_6) ($\mu g/m^3$)	_	N.D	05	05
Benzo (O) Pyrene (as BaP) (ng/m³)	-	N.D	01	01
		N.D	06	06
Arsenic (as As) (ng/m³)	-	14.15		20











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TEST REPORT

Issued To: UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Report No.:

130226081/1302260261

Dale: 14-Mar-2013

DOR 26-Feb-2013

Sample Description: AMBIENT AIR

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn. :

9953105498 MR. KAUSHLESH KUMAR

Your Ref. No.

ID: 1302260261 Ainbi	ent	Air Analysis R	eport		
Name & Address of the Company	-			ed: 1352, Aggarwal Metro New Delhi-110034	
Name of the Site	-	Unity Infra Pro	ojects:(University C	Of Delhi-North Campus)	
Location of Sampling Point	-	Near Dhaka L	abour Camp		
Date of Sampling	-	27/02/2013			
Sampling Started at	-	01:30 P.M. (27	7/02/2013)		
Sampling Completed at	-	01:30 P.M. (28	3/02/2013)	•	
Actual Time of Sampling (minutes)	-	1440	,		
Av. Flow Rate for SPM (m³/min.)	-	1.1			
Total Volume of Air Sampled for SPM (m ³)	-	1584			
Average Ambient Temperature (°C)	-	27			
Purpose of Monitoring	-	To Assess Pol	lution Load		
PARAMETERS RESULTS <u>Limits as per CPCB (MOEE)</u>					
			Industrial, Residential, Rural & other areas	Ecologically Sensitive Area (notified by Central Government)	
Particulate Matter PM _{2.5} (µg/m ³)		51	60	60	
Particulate Matter PM ₁₀ (µg/m³)	-	103	100	100	
Sulphur Dioxide (as SO ₂) (µg/m ³)	-	<5.0	80	80	
Oxides of Nitrogen (as NO ₂) (µg/m ³)		37.2	80	80	
Carbon Monoxide (as CO), (mg/m³)	-	1.02	02	02	
Ozone (as O_3) ($\mu g/m^3$)	-	36.4	100	100	
Lead (as Pb) (μg/m³)		N.D	1.0	1.0	
Ammonia (as NH ₃) (μg/m³)	-	21.3	400	400	
Benzene (as C_6H_6) ($\mu g/m^3$)	-	N.D	05	05	
Benzo (O) Pyrene (as BaP) (ng/m³)	-	N.D	. 01	01	
Arsenic (as As) (ng/m³)		N.D	06	06	
Nickel (as Ni) (ng/m³)		N.D	20	20	
Protocol = 1S: 5182 (P	t iii	2, 6, 10 & 23), I	PA Guideline/GC/	(IGP	





Curren Curry Authorised Signatory





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TEST REPORT

Report No .:

UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Sample Description: LIGHT INTENSITY

130226081/1302260262

Dale: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn.:

9953105498 MR. KAUSHLESH KUMAR

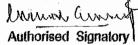
Your Ref. No. :

ID: 1302260262 Light	<u>Intensi</u>	<u>y Report</u>	
Name & Address of the Industry	-	M/s Unity Infra Pr 1352, Aggarwal M Netaji Subhash Pla	
Date of Sampling	-	28/02/2013	
Location of Sampling	-		ts:(University Of Delhi-North nmination Building
Sampling Completed at	-	07.30 P.M (28/02/	2013)
PARAMETERS		RESULTS	LIMITS As per [IS:3646 (Part-1):1992
Light Intensity (LUX)	-	183	50-150













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TEST REPORT

Issued To:

UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn. :

9953105498 MR. KAUSHLESH KUMAR

Report No.:

130226081/1302260262

Date: 14-Mar-2013

DOR 26-Feb-2013

Your Ref. No. :

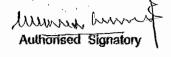
Sample Description:

LIGHT INTENSITY

ID: 1302260262 Light	Intensit	<u>v Report</u>	
Name & Address of the Industry	-	M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034	
Date of Sampling	-	28/02/2013	
Location of Sampling	-	Unity Infra Projects:(University Of Delhi-North Campus)Near Chemistry Building	
Sampling Completed at	_	07.50 P.M (28/02/2013)	
<u>PARAMETERS</u>		RESULTS	LIMITS As per [IS:3646 (Part-1):1992
Light Intensity (LUX)		193	50-150











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UNITY INFRAPROJECTS LTD.(PITAMPURA)

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Attn. :

9953105498 MR. KAUSHLESH KUMAR

Report No.:

130226081/1302260262

Date: 14-Mar-2013

DOR 26-Feb-2013

Your Ref. No. :

Sample Description:

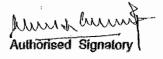
LIGHT INTENSITY

ID: 1302260262 <u>Light Intensity Report</u>					
Name & Address of the Industry	-	M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034			
Date of Sampling	-	28/02/2013			
Location of Sampling	_	Unity Infra Projects:(University Of Delhi-North Campus) Near Botany Building			
Sampling Completed at		08.10 P.M (28/02/2013)			
<u>PARAMETERS</u>	-	RESULTS	<u>LIMITS</u> As per [IS:3646 (Part-1):1992		
Light Intensity (LUX)	_	179	50-150		













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REPORT TEST

Report No.:

UNITY INFRAPROJECTS LTD.(PITAMPURA) Issued To:

1352,13TH FLR,AGGARWAL METRO HEIGHT

NETAJI SUBHASH PLACE

Sample Description: LIGHT INTENSITY

130226081/1302260262

Date: 14-Mar-2013

DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: Kind Alln. :

9953105498 MR. KAUSHLESH KLIMAR

Your Ref. No.:

ID: 1302260262 <u>Light In</u>	rtensi	y Report		
Name & Address of the Industry	-	M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034		
Date of Sampling	-	28/02/2013		
Location of Sampling	<u>-</u>	Unity Infra Projects:(University Of Delhi-North Campus) Arts and Social Science Building		
Sampling Completed at	-	08.25 P.M (28/02/2013)		
<u>PARAMETERS</u>		RESULTS	LIMITS As per [IS:3646 (Part-1):1992	
Light Intensity (LUX)		191	50-150	







