

**TEST REPORT**

Issued To : UNITY INFRAPROJECTS LTD.(PITAMPURA)  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Sample Description :  
DG STACK

Report No.: 130226081/1302260258

Date: 14-Mar-2013  
DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498

Kind Attn.: MR. KAUSHLESH KUMAR

Your Ref No.:

**ID: 1302260258**

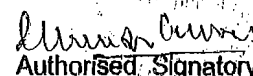
Stack Emission Analysis Report

|  |   |  |
|--|---|--|
| Description                                | - | D.G. Stack Emission Monitoring conducted by our team.  |
| Date of Sampling                           | - | 28-02-2013   |
| Name & Address of the Industry             | - | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro Heights, Netaji Subhash Place, New Delhi-110034 |
| Emission Source Monitored                  | - | Stack attached to D.G. Set No – UIL/G01-2/12 (125- KVA) at Chemistry Building                          |
| Normal Operating Schedule                  | - | As per requirement   |
| Fuel Used                                  | - | HSD  |
| Type of Stack (ACC/Metal)                  | - | Metal  |
| Stack Height (m)                           | - | 3.6  |
| Diameter of Stack (cm)                     | - | 10.16  |
| Sampling Duration (Minutes)                | - | 30   |
| Parameters Monitored                       | - | PM, SO <sub>2</sub> , NO <sub>x</sub> , & CO   |
| Purpose of Monitoring                      | - | Assessment of Pollution load   |
| Control Measures (if any)                  | - | Nil  |
| Recovery of Materials (if any)             | - | Nil  |
| General Sensory Observations               | - | Normal   |
| Fugitive Emission (if any)                 | - | Nil  |
| Stack Temperature (°C)                     | - | 123  |
| Ambient Temperature (°C)                   | - | 33   |
| Average Stack Velocity (m/s)               | - | 12.0   |
| Quantity of Emission (Nm <sup>3</sup> /hr) | - | 147.45   |

| PARAMETERS  |   | RESULTS | Emission Rate (g/kw-h) |
|---|---|---------|------------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )   | - | 26.9    | 0.21                   |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)   | - | < 2.0   | 0.04                   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)  | - | 42.8    | 0.63                   |
| Carbon Monoxide (as CO) , (ppm)   | - | 186     | 1.68                   |
| Standard Limits (g/kw-h) for (>50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |   |         |                        |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC   |   |         |                        |

  
Analyst



  
Authorized Signatory

**TEST REPORT**

Issued To : **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352, 13TH FLR, AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Report No.: 130226081/1302260258 Date: 14-Mar-2013  
DOR 26-Feb-2013

Sample Description :  
DG STACK

PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498  
Kind Attn: MR. KAUSHLESH KUMAR

Your Ref. No :

**ID: 1302260258**

**Stack Emission Analysis Report**

Description - D.G. Stack Emission Monitoring conducted by our team.  
Date of Sampling - 28-02-2013  
Name & Address of the Industry - M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034  
Emission Source Monitored - Stack attached to D.G. Set No -- UIL/G01-2/83 (62.5 KVA) at Botany Building  
Normal Operating Schedule - As per requirement  
Fuel Used - HSD  
Type of Stack (ACC/Metal) - Metal  
Stack Height (m) - 3.0  
Diameter of Stack (cm) - 7.6  
Sampling Duration (Minutes) - 30  
Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO  
Purpose of Monitoring - Assessment of Pollution load  
Control Measures (if any) - Nil  
Recovery of Materials (if any) - Nil  
General Sensory Observations - Normal  
Fugitive Emission (if any) - Nil  
Stack Temperature (°C) - 143  
Ambient Temperature (°C) - 32  
Average Stack Velocity (m/s) - 12.4  
Quantity of Emission (Nm<sup>3</sup>/hr) - 145.4

| PARAMETERS  | RESULTS | Emission Rate (g/kw-h) |
|---|---------|------------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> ) | - 27.8  | 0.22                   |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)     | - < 2.0 | 0.04                   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)  | - 40.7  | 0.60                   |
| Carbon Monoxide (as CO) , (ppm)                   | - 181   | 1.63                   |

Standard Limits (g/kw-h) for (>50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO<sub>2</sub> = 9.2; CO=3.5

Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC

Analyst

Authorised Signatory

**TEST REPORT**

Issued To: UNITY INFRAPROJECTS LTD.(PITAMPURA)  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE  
PITAMPURA NEW DELHI - 122016

Report No.: 130226081/1302260258  
Date: 14-Mar-2013  
DOR 26-Feb-2013

Sample Description :  
DG STACK

Phone/Fax: 9953105498  
Kind Attn.: MR. KAUSHLESH KUMAR

Your Ref. No.:

Stack Emission Analysis Report

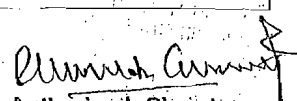
**ID: 1302260258**

|  |   |  |
|--|---|--|
| Description                                | - | D.G. Stack Emission Monitoring conducted by our team.  |
| Date of Sampling                           | - | 27-02-2013   |
| Name & Address of the Industry             | - | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro Heights, Netaji Subhash Place, New Delhi-110034 |
| Emission Source Monitored                  | - | Stack attached to D.G. Set No – UIL/G01-2/89 (125 -KVA) at Dhaka Labour Camp.                          |
| Normal Operating Schedule                  | - | As per requirement   |
| Fuel Used                                  | - | HSD  |
| Type of Stack (ACC/Metal)                  | - | Metal  |
| Stack Height (m)                           | - | 3.2  |
| Diameter of Stack (cm)                     | - | 10.16  |
| Sampling Duration (Minutes)                | - | 30   |
| Parameters Monitored                       | - | PM, SO <sub>2</sub> , NO <sub>x</sub> , & CO   |
| Purpose of Monitoring                      | - | Assessment of Pollution load   |
| Control Measures (if any)                  | - | Nil  |
| Recovery of Materials (if any)             | - | Nil  |
| General Sensory Observations               | - | Normal   |
| Fugitive Emission (if any)                 | - | Nil  |
| Stack Temperature (°C)                     | - | 118  |
| Ambient Temperature (°C)                   | - | 30   |
| Average Stack Velocity (m/s)               | - | 11.9   |
| Quantity of Emission (Nm <sup>3</sup> /hr) | - | 265.2  |

| PARAMETERS   |   | RESULTS | Emission Rate (g/kw-h) |
|--|---|---------|------------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )  | - | 29.2    | 0.23                   |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)  | - | < 2.0   | 0.04                   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)   | - | 43.2    | 0.64                   |
| Carbon Monoxide (as CO) , (ppm)  | - | 184     | 1.66                   |
| Standard Limits (g/kw-h) for (>260 Kw upto 800 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |   |         |                        |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC  |   |         |                        |

  
Analyst



  
Authorized Signatory

**TEST REPORT**


|   |   |  |
|---|---|--|
| <b>Issued To :</b> UNITY INFRAPROJECTS LTD.(PITAMPURA)<br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | <b>Report No.:</b> 130226081/1302260258 | <b>Date:</b> 14-Mar-2013<br><b>DOR</b> 26-Feb-2013 |
| <b>Phone/Fax:</b> 9953105498<br><b>Kind Attn.:</b> MR. KAUSHLESH KUMAR  | <b>Sample Description :</b><br>DG STACK | <b>Your Ref. No.:</b>                              |

**ID: 1302260258**

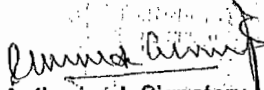
Stack Emission Analysis Report

|  |   |  |
|--|---|--|
| Description                                | - | D.G. Stack Emission Monitoring conducted by our team.  |
| Date of Sampling                           | - | 27-02-2013   |
| Name & Address of the Industry             | - | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034 |
| Emission Source Monitored                  | - | Stack attached to D.G. Set No -UIL/G01-2/62 (62.5 KVA) at Dhaka Labour Camp                            |
| Normal Operating Schedule                  | - | As per requirement   |
| Fuel Used                                  | - | HSD  |
| Type of Stack (ACC/Metal)                  | - | Metal  |
| Stack Height (m)                           | - | 3.0  |
| Diameter of Stack (cm)                     | - | 6.3  |
| Sampling Duration (Minutes)                | - | 30   |
| Parameters Monitored                       | - | PM, SO <sub>2</sub> , NO <sub>x</sub> , & CO   |
| Purpose of Monitoring                      | - | Assessment of Pollution load   |
| Control Measures (if any)                  | - | Nil  |
| Recovery of Materials (if any)             | - | Nil  |
| General Sensory Observations               | - | Normal   |
| Fugitive Emission (if any)                 | - | Nil  |
| Stack Temperature (°C)                     | - | 173  |
| Ambient Temperature (°C)                   | - | 33   |
| Average Stack Velocity (m/s)               | - | 11.9   |
| Quantity of Emission (Nm <sup>3</sup> /hr) | - | 89.2   |

| PARAMETERS  | RESULTS | Emission Rate (g/kw-h) |
|---|---------|------------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )   | - 23.6  | 0.18                   |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)   | - < 2.0 | 0.04                   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)  | - 38.4  | 0.57                   |
| Carbon Monoxide (as CO) , (ppm)   | - 179   | 1.6                    |
| Standard Limits (g/kw-h) for (>50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |         |                        |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC   |         |                        |

  
Analyst



  
Authorized Signatory

**TEST REPORT**

Issued To: **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Sample Description :  
DG NOISE

Report No.: 130226081/1302260260

Date: 14-Mar-2013  
DOR 26-Feb-2013

PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498  
Kind Attn.: MR. KAUSHLESH KUMAR

Your Ref. No.:

**ID: 1302260260**

**Noise Analysis Report**

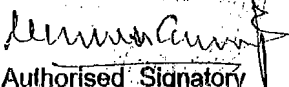
**Location Name** : Outside D.G. Set No. - UIL/G01-2/12, (125 KVA) at Chemistry Building (Site -University Of Delhi- North Campus) .  
**Date of Monitoring** : 28/02/2013  
**Time of Monitoring** : 02.40 – 02.50 PM  
**Protocol** : IS 4758-1968

| S.No.                   | Time       | Sound Pressure Level dB (A) | Activities                     |
|-------------------------|------------|-----------------------------|--------------------------------|
| 1.                      | 02.41 P.M. | 65.8                        | DG Set- (125 KVA) was running. |
| 2.                      | 02.42 P.M. | 65.2                        |                                |
| 3.                      | 02.43 P.M. | 65.8                        |                                |
| 4.                      | 02.44 P.M. | 65.5                        |                                |
| 5.                      | 02.45 P.M. | 65.7                        |                                |
| 6.                      | 02.46 P.M. | 68.3                        |                                |
| 7.                      | 02.47 P.M. | 68.2                        |                                |
| 8.                      | 02.48 P.M. | 68.3                        |                                |
| 9.                      | 02.49 P.M. | 68.4                        |                                |
| 10.                     | 02.50 P.M. | 68.2                        |                                |
| <b>Max- 68.4 dB (A)</b> |            | <b>Min- 65.2 dB (A)</b>     | <b>Leq – 67.1 dB (A)</b>       |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.  
(Ref. : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

  
Analyst



  
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**TEST REPORT**

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1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Report No.: 130226081/1302260260

Date: 14-Mar-2013  
DOR 26-Feb-2013

Sample Description :  
DG NOISE

PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498  
Kind Attn.: MR. KAUSHLESH KUMAR

Your Ref. No. :

**ID: 1302260260**

**Noise Analysis Report**

**Location Name** : Outside D.G. Set No. - UIL/G01-2/83, (62.5 KVA) at Botany Building  
(Site -University of Delhi- North Campus).  
**Date of Monitoring** : 28/02/2013  
**Time of Monitoring** : 04.15 – 04.25 PM  
**Protocol** : IS 4758-1968

| S.No.                   | Time       | Sound Pressure Level dB (A) | Activities                     |
|-------------------------|------------|-----------------------------|--------------------------------|
| 1.                      | 04.16 P.M. | 68.7                        | DG Set-(62.5 KVA) was running. |
| 2.                      | 04.17 P.M. | 67.8                        |                                |
| 3.                      | 04.18 P.M. | 68.6                        |                                |
| 4.                      | 04.19 P.M. | 69.5                        |                                |
| 5.                      | 04.20 P.M. | 70.4                        |                                |
| 6.                      | 04.21 P.M. | 71.3                        |                                |
| 7.                      | 04.22 P.M. | 72.1                        |                                |
| 8.                      | 04.23 P.M. | 71.4                        |                                |
| 9.                      | 04.24 P.M. | 71.2                        |                                |
| 10.                     | 04.25 P.M. | 71.4                        |                                |
| <b>Max- 72.1 dB (A)</b> |            | <b>Min- 67.8 dB (A)</b>     | <b>Leq – 70.4 dB (A)</b>       |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.  
(Ref : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

  
Analyst



  
Authorized Signatory

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1352,13TH FLR,AGGARWAL METRO HEIGHT  
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Sample Description :  
DG NOISE

Report No.: 130226081/1302260260

Date: 14-Mar-2013  
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PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498  
Kind Attn.: MR. KAUSHLESH KUMAR

Your Ref. No. :

**ID: 1302260260**

**Noise Analysis Report**

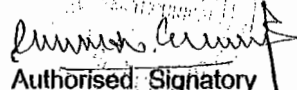
**Location Name** : Outside D.G. Set No. - UIL/G01-2/89, (125 KVA) at **Dhaka Labour Camp** (Site -University Of Delhi- North Campus).  
**Date of Monitoring** : 27/02/2013  
**Time of Monitoring** : 03.10 – 03.20 PM  
**Protocol** : IS 4758-1968

| S.No.                   | Time       | Sound Pressure Level dB (A) | Activities                       |
|-------------------------|------------|-----------------------------|----------------------------------|
| 1.                      | 03.11 P.M. | 61.2                        | DG Set-(125 KVA)<br>was running. |
| 2.                      | 03.12 P.M. | 61.5                        |                                  |
| 3.                      | 03.13 P.M. | 61.1                        |                                  |
| 4.                      | 03.14 P.M. | 62.4                        |                                  |
| 5.                      | 03.15 P.M. | 62.8                        |                                  |
| 6.                      | 03.16 P.M. | 63.7                        |                                  |
| 7.                      | 03.17 P.M. | 63.1                        |                                  |
| 8.                      | 03.18 P.M. | 63.5                        |                                  |
| 9.                      | 03.19 P.M. | 63.8                        |                                  |
| 10.                     | 03.20 P.M. | 64.7                        |                                  |
| <b>Max-</b> 64.7 dB (A) |            | <b>Min-</b> 61.1 dB (A)     | <b>Leq</b> – 62.9 dB (A)         |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.  
(Ref. : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

  
Analyst



  
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Sample Description :  
DG NOISE

PITAMPURA NEW DELHI - 122016

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Kind Attn: MR. KAUSHLESH KUMAR

Your Ref. No.:

ID: 1302260260

**Noise Analysis Report**

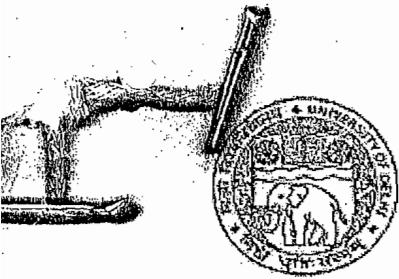
**Location Name** : Outside D.G. Set No. -U11/G01-2/62, (62.5 KVA) at **Dhaka Labour Camp** (Site -University of Delhi- North Campus).  
**Date of Monitoring** : 27/02/2013  
**Time of Monitoring** : 01.30 – 01.40 PM  
**Protocol** : IS 4758-1968

| S.No.                   | Time       | Sound Pressure Level dB (A) | Activities                      |
|-------------------------|------------|-----------------------------|---------------------------------|
| 1.                      | 01.31 P.M. | 60.2                        | DG Set -(62.5 KVA) was running. |
| 2.                      | 01.32 P.M. | 60.1                        |                                 |
| 3.                      | 01.33 P.M. | 60.3                        |                                 |
| 4.                      | 01.34 P.M. | 61.2                        |                                 |
| 5.                      | 01.35 P.M. | 60.4                        |                                 |
| 6.                      | 01.36 P.M. | 60.1                        |                                 |
| 7.                      | 01.37 P.M. | 64.2                        |                                 |
| 8.                      | 01.38 P.M. | 64.3                        |                                 |
| 9.                      | 01.39 P.M. | 64.9                        |                                 |
| 10.                     | 01.40 P.M. | 64.3                        |                                 |
| <b>Max- 64.9 dB (A)</b> |            | <b>Min- 60.1 dB (A)</b>     | <b>Leq – 62.4 dB (A)</b>        |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.  
(Ref. : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

*[Signature]*  
Authorised Signatory





*By hand*

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

PHONE: 27667157, 27667725-EXT.1700-1705  
FAX NO: 911 - 27666007

REF. NO. UE/ S269

/DU/324(2012-13)

DATED: 29.01.2013

The Secretary  
Delhi Pollution Control Committee  
4<sup>th</sup> 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 (51 sheets) for the environmental 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,

Yours faithfully

*chp*  
29/01/13

University Engineer

Encl: Environmental Monitoring Reports (51 Sheets)

*chp*  
29/01/13  
(ENQUIRY COUNTER)  
DELHI POLLUTION CONTROL COMMITTEE  
DEPARTMENT OF ENVIRONMENT  
GOVT. OF NCT OF DELHI  
4TH FLOOR, ISBT BUILDING  
KASHMERE GATE, DELHI-110006

## Institutional Buildings Projects at North Campus Delhi University

## 1. Environmental Monitoring Reports (51 sheets)

| Details |                                     |                           |         |
|---------|-------------------------------------|---------------------------|---------|
| S.no.   | Report Title                        | Location                  | Remarks |
|         | For March 2012 to May 2012          |                           |         |
| 1       | Ambient Air Analysis Report         | Near Chemistry building   |         |
| 2       | Ambient Air Analysis Report         | Near Botany building      |         |
| 3       | Ambient Air Analysis Report         | Near Examination building |         |
| 4       | Ambient Noise Monitoring Report     | Near Chemistry building   |         |
| 5       | Ambient Noise Monitoring Report     | Near Botany building      |         |
| 6       | Ambient Noise Monitoring Report     | Near Examination building |         |
| 7       | Light Intensity report              | Near Botany building      |         |
| 8       | Light Intensity report              | Near Examination building |         |
| 9       | Light Intensity report              | Near Chemistry building   |         |
| 10      | Stack Emission Analysis Report      | DG Set-1                  |         |
| 11      | Stack Emission Analysis Report      | DG Set-2                  |         |
| 12      | Noise Analysis report               | DG Set-1                  |         |
| 13      | Noise Analysis report               | DG Set-2                  |         |
|         | For June 2012 to August 2012        |                           |         |
| 1       | Light Intensity report              | Near Botany building      |         |
| 2       | Light Intensity report              | Near Examination building |         |
| 3       | Light Intensity report              | Near Chemistry building   |         |
| 4       | Stack Emission Analysis Report      | DG Set-1                  |         |
| 5       | Stack Emission Analysis Report      | DG Set-2                  |         |
| 6       | Stack Emission Analysis Report      | DG Set-3                  |         |
| 7       | Stack Emission Analysis Report      | DG Set-4                  |         |
| 8       | Ambient Noise Monitoring Report     | Near Chemistry building   |         |
| 9       | Ambient Noise Monitoring Report     | Near Botany building      |         |
| 10      | Ambient Noise Monitoring Report     | Near Examination building |         |
| 11      | Ambient Noise Monitoring Report     | Near Dhaka Labour Camp    |         |
| 12      | Ambient Air Analysis Report         | Near Chemistry building   |         |
| 13      | Ambient Air Analysis Report         | Near Botany building      |         |
| 14      | Ambient Air Analysis Report         | Near Examination building |         |
| 15      | Ambient Air Analysis Report         | Near Dhaka Labour Camp    |         |
| 16      | Noise Analysis report               | DG Set-1                  |         |
| 17      | Noise Analysis report               | DG Set-2                  |         |
| 18      | Noise Analysis report               | DG Set-3                  |         |
| 19      | Noise Analysis report               | DG Set-4                  |         |
|         | For September 2012 to November 2012 |                           |         |
| 1       | Ambient Air Analysis Report         | Near Chemistry building   |         |
| 2       | Ambient Air Analysis Report         | Near Botany building      |         |
| 3       | Ambient Air Analysis Report         | Near Examination building |         |
| 4       | Ambient Air Analysis Report         | Near Dhaka Labour Camp    |         |
| 5       | Ambient Noise Monitoring Report     | Near Chemistry building   |         |

## Institutional Buildings Projects at North Campus Delhi University

## 1. Environmental Monitoring Reports (51 sheets)

| Details |                                 |                           |         |
|---------|---------------------------------|---------------------------|---------|
| S.no.   | Report Title                    | Location                  | Remarks |
| 6       | Ambient Noise Monitoring Report | Near Botany building      |         |
| 7       | Ambient Noise Monitoring Report | Near Examination building |         |
| 8       | Ambient Noise Monitoring Report | Near Dhaka Labour Camp    |         |
| 9       | Light Intensity report          | Near Chemistry building   |         |
| 10      | Light Intensity report          | Near Botany building      |         |
| 11      | Light Intensity report          | Near Examination building |         |
| 12      | Stack Emission Analysis Report  | Near Botany building      |         |
| 13      | Stack Emission Analysis Report  | Near Examination building |         |
| 14      | Stack Emission Analysis Report  | Near Dhaka Labour Camp    |         |
| 15      | Stack Emission Analysis Report  | Near Dhaka Labour Camp    |         |
| 16      | Noise Analysis report           | Near Botany building      |         |
| 17      | Noise Analysis report           | Near Examination building |         |
| 18      | Noise Analysis report           | Near Dhaka Labour Camp    |         |
| 19      | Noise Analysis report           | Near Dhaka Labour Camp    |         |

## 2 Notification issued in the Gazette of India dated 28.01.2011, for reference (03 sheets)

16/01/13  
 (SHAILENDRA)  
 BIL



# भारत का राजपत्र The Gazette of India

असाधारण

EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (II)

PART II—Section 3—Sub-section (II)

आधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं. 149]

शुक्रवारी, 28 जनवरी, 2011/आषाढ 6, 1932

No. 149]

NEW DELHI, FRIDAY, JANUARY 28, 2011/ASHA D. 1932

पर्यावरण और वन विभाग

अधिसूचना

शुक्रवारी, 28 जनवरी, 2011

क्र.आ. 18(अ).—केंद्रीय सरकार, पर्यावरण (संरक्षण) नियम, 1986 के नियम 10 के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 22) की धारा 12 की उप-धारा (1) के खण्ड (ख) और प्राय 13 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, भारत सरकार के पर्यावरण और वन विभाग की अधिसूचना संख्या क्र.आ. 1174(अ), तारीख 18 जुलाई, 2007 में निम्नलिखित और संशोधन करते हैं, अर्थात् :—

इस अधिसूचना की सारणी में क्रम संख्यांक 1 और क्रम संख्यांक 25 और उनसे संबंधित प्रविष्टियों के स्थान पर निम्नलिखित क्रम संख्यांक और प्रविष्टियाँ रखी जाएंगी, अर्थात् :—

सारणी

| क्रम सं. | प्रयोज्यता का नाम   | सरकारी विरलेषणकर्ता का नाम  | समू और क्रम सं. तक मान्य  |
|----------|---|---|---------------------------|
| (1)      | (2)   | (3)   | (4)                       |
| 71.      | मैसर्स प्रीनटेड फ्लैट्स प्राइवेट लिमिटेड, सै-16, सै-16, पोस्ट-201301 (उज्जयिनी)         | (1) श्री सनीश शर्मा<br>(2) श्री गजानंद मल्लिक<br>(3) श्री विजय शर्मा                | 28-1-2011 से<br>27-1-2016 |
| 25.      | मैसर्स एस्टे एग्रीकल्चर लेन्स (प्रा) लि, ई-41, औद्योगिक क्षेत्र फेज-2, नई दिल्ली-110020 | (1) श्री उमेश शुक्ल<br>(2) श्री हरीश चंद्र जोशी<br>(3) श्री राहबान मोहम्मद सिद्दीकी | 28-1-2011 से<br>27-1-2016 |

(ii) क्रम संख्या 86 और उससे संबंधित प्रविष्टियों के परचात् निम्नलिखित क्रम संख्या और प्रविष्टियाँ अतिस्थापित की जाएंगी अर्थात् :—

| (1) | (2)   | (3)  | (4)                       |
|-----|---|--|---------------------------|
| 87. | मैसर्स प्रीनटेड फ्लैट्स प्राइवेट लिमिटेड, सै-16, सै-16, पोस्ट-201301 (उज्जयिनी) | (1) श्री संतोष त्रिपाठी<br>(2) श्री उमाकान्त येसले<br>(3) श्रीमती प्रीत त्रिपाठी | 28-1-2011 से<br>27-1-2016 |

| (1) | (2)   | (3)   | (4)                       |
|-----|---|---|---------------------------|
| 88. | मैसर्स चेनई सैटक्स लैब प्रॉ. लि., ज्योति कॉम्प्लेक्स, 83, एम.के.एन. रोड, गुंघ, चेनई-600032 (तमिलनाडु) | (1) श्री बी.के. शैलशंकर<br>(2) सुश्री बी. हेमलता<br>(3) श्रीमती पी. कविता | 28-1-2011 से<br>27-1-2016 |
| 89. | मैसर्स सिद्धार्थ लैब्स प्रॉ. लि., प्लॉट नं. 11, एम.के.एन. रोड, गुंघ, चेनई-600032 (तमिलनाडु)           | (1) श्री किशोर मालवीय<br>(2) श्री अनुराग शर्मा<br>(3) श्री हितेंद्र शर्मा | 28-1-2011 से<br>27-1-2016 |

[फा. सं. ब्यू-15018/7/2003-सीपीडब्ल्यू]

रजनीश दुबे, संयुक्त सचिव

टिप्पण:—मूल अधिसूचना भारत के राजपत्र, असाधारण में संख्यांक का.आ. 1174(अ), तारीख 18 जुलाई, 2007 द्वारा प्रकाशित की गई थी और तत्पश्चात् अधिसूचना सं. का.आ. 1539(अ), तारीख 13 सितम्बर, 2007, का.आ. 1811(अ), तारीख 24 अक्टूबर, 2007, का.आ. 55(अ), तारीख 9 नवम्बर, 2008, का.आ. 428(अ), तारीख 4 मार्च, 2008, का.आ. 865(अ), तारीख 11 अप्रैल, 2008, का.आ. 1894(अ), तारीख 31 जुलाई, 2008, का.आ. 2728(अ), तारीख 25 फरवरी, 2008, का.आ. 1356(अ), तारीख 27 मई, 2009, का.आ. 1892(अ), तारीख 22 जुलाई, 2009 का.आ. 2399(अ), तारीख 18 सितम्बर, 2009, का.आ. 3122(अ), तारीख 7 दिसम्बर, 2009, का.आ. 3123(अ), तारीख 7 दिसम्बर, 2009, का.आ. 142(अ), तारीख 21 जनवरी, 2010, का.आ. 619(अ), तारीख 19 मार्च, 2010, का.आ. 1662(अ), तारीख 13 जुलाई, 2010, का.आ. 2390(अ), तारीख 30 सितम्बर, 2010, का.आ. 2904(अ), तारीख 8 दिसम्बर, 2010 द्वारा संशोधित किए गए।

## MINISTRY OF ENVIRONMENT AND FORESTS

## NOTIFICATION

New Delhi, the 28th January, 2011

S.O. 181(E).—In exercise of the powers conferred by clause (b) of sub-section (1) of Section 12 and Section 13 of the Environment (Protection) Act, 1986 (29 of 1986) read with rule 10 of the Environment (Protection) Rules, 1986, the Central Government hereby makes the following further amendments in the notification of the Government of India in the Ministry of Environment and Forests, number S.O. 1174(E), dated the 18th July, 2007 namely:—

In the Table appended to the said notification (i), for serial numbers 1 and 25 and the entries relating thereto, the following serial numbers and entries shall be substituted, namely:—

TABLE

| Serial No. | Name of the Laboratory  | Name of the Government Analyst   | Recognition with effect from and valid up to |
|------------|---|--|--|
| (1)        | (2)   | (3)  | (4)  |
| 1.         | M/s. Martoc Consultants Pvt. Ltd., D-36, Sector-VI, Noida-201301 (U.P.)                         | (1) Mr. Sanjeev Sharma<br>(2) Mr. Gajansh Mallick<br>(3) Mr. Vijay Sharma              | 28-1-2011 to<br>27-1-2016                    |
| 25.        | M/s. Spectro Analytical Labs Limited, E-41, Okhla Industrial Area, Phase-II, New Delhi - 110020 | (1) Mr. Umesh Gupta<br>(2) Mr. Harish Chand Joshi<br>(3) Mr. Mohammed Shahzad Siddiqui | 28-1-2011 to<br>27-1-2016                    |

(ii) after serial number 86 and the entries relating thereto, the following serial number and entries shall be inserted, namely:—

| (1) | (2)   | (3)   | (4)                       |
|-----|---|---|---------------------------|
| 87. | M/s. Green Circle, Inc., 401-402, Reign Plaza, Opp. Kalpvriksh Complex, Gotri Road, Vadodara - 390021 (Gujarat) | (1) Mr. Santosh Tripathi<br>(2) Mr. Umakant Yewale<br>(3) Mrs. Neetu Tripathi | 28-1-2011 to<br>27-1-2016 |

| (1) | (2)   | (3)  | (4)                       |
|-----|---|--|---------------------------|
| 88. | M/s. Chennai Mettlex Lab Pvt. Ltd.,<br>Jothi Complex, B3, M.K.N. Road,<br>Gulbary, Chennai - 600032<br>(Tamil Nadu)   | (1) Mr. V.K. Selvakumar<br>(2) Ms. J. Hemalatha<br>(3) Ms. P. Kavitha                | 28-1-2011 to<br>27-1-2016 |
| 89. | M/s. Vaidhyan Environmental Protection<br>Sul. P.O. No. 110501, Bulburi<br>Industrial Estate, Near Bharat Petroleum<br>Refilling Stand, Bulburi, District Nagpur<br>(Maharashtra) | (1) Mr. Kishore Malviya<br>(2) Mr. Dnyaneshwar Dattalwar<br>(3) Mr. Harendra Chavave | 28-1-2011 to<br>27-1-2016 |

[F. No. O-15018/7/2003-CPW]  
RAJNEESH DUBE, Jt. Secy.

Note:—The principal notification was published in the Gazette of India, Extraordinary vide number S.O. 1174(E), dated the 18th July, 2007 and subsequently amended vide notification numbers S.O. 1539 (E), dated the 13th September, 2007, S.O. 1811(E), dated the 24th October, 2007, S.O. 35(E), dated the 9th January, 2008, S.O. 424(E), dated the 4th March, 2008, S.O. 365(E), dated the 11th April, 2008, S.O. 1854(E), dated the 11th July, 2008, S.O. 772(E), dated the 25th November, 2008, S.O. 1150(E), dated the 17th May, 2009, S.O. 1802(E), dated the 22nd July, 2009 and S.O. 230(E), dated the 11th September, 2009, S.O. 1127(E), dated the 7th December, 2009, S.O. 1123(E), dated the 7th December, 2009, S.O. 142(E), dated the 21st January, 2010, S.O. 619(E), dated the 19th March, 2010, S.O. 662(E), dated the 18th July, 2010, S.O. 2390(E), dated the 30th September, 2010 and S.O. 2994(E), dated the 6th December, 2010.

**TEST REPORT**

Issued To: **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE  
PITAMPURA NEW DELHI - 122016

Report No.: 120221036/1202210069  
Date: 15-Mar-2012  
DOR 21-Feb-2012

Sample Description :  
ENV TEST AT SITE

Phone/Fax:  
Kind Attn: MR. KAFEEL AHMED

Your Ref. No.: UIL/DU/MONITORING/2012 DT.16.02.2012

ID-1202210069

Ambient Air Analysis Report

| Name & Address of the Company                                    | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034 |  |  |
|--|--|--|--|
| Name of the Site   | Unity Infra Projects:(University Of Delhi-North Campus)  |  |  |
| Location of Sampling Point                                       | Near Chemistry Building  |  |  |
| Date of Sampling   | 04/03/2012   |  |  |
| Sampling Started at  | 12:30 P.M. (04/03/2012)  |  |  |
| Sampling Completed at  | 12:30 P.M. (05/03/2012)  |  |  |
| Actual Time of Sampling (minutes)                                | 1440   |  |  |
| Av. Flow Rate for SPM (m <sup>3</sup> /min.)                     | 1.1  |  |  |
| Total Volume of Air Sampled for SPM (m <sup>3</sup> )            | 1584   |  |  |
| Average Ambient Temperature (°C)                                 | 26   |  |  |
| Purpose of Monitoring  | To Assess Pollution Load   |  |  |
| PARAMETERS   | RESULTS  | Limits as per CPCB (MOEF)                    |  |
|  |  | Industrial, Residential, Rural & other areas | Ecologically Sensitive Area (notified by Central Government) |
| Particulate Matter PM <sub>2.5</sub> (µg/m <sup>3</sup> )        | 103  | 60   | 60   |
| Particulate Matter PM <sub>10</sub> (µg/m <sup>3</sup> )         | 166  | 100  | 100  |
| Sulphur Dioxide (as SO <sub>2</sub> ) (µg/m <sup>3</sup> )       | 6.4  | 80   | 80   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) (µg/m <sup>3</sup> )    | 33.4   | 80   | 80   |
| Carbon Monoxide (as CO), (mg/m <sup>3</sup> )                    | 1.12   | 02   | 02   |
| Ozone (as O <sub>3</sub> ) (µg/m <sup>3</sup> )                  | 22   | 100  | 100  |
| Lead (as Pb) (µg/m <sup>3</sup> )                                | N.D  | 1.0  | 1.0  |
| Ammonia (as NH <sub>3</sub> ) (µg/m <sup>3</sup> )               | 15.5   | 400  | 400  |
| Benzene (as C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> ) | N.D  | 05   | 05   |
| Benzo (O) Pyrene (as BaP) (ng/m <sup>3</sup> )                   | N.D  | 01   | 01   |
| Arsenic (as As) (ng/m <sup>3</sup> )                             | N.D  | 06   | 06   |
| Nickel (as Ni) (ng/m <sup>3</sup> )                              | N.D  | 20   | 20   |

Protocol – IS: 5182 (Pt-2, 4, 6 & 23) / EPA Guideline, IS-13270/HPLC/GC/ICP

Analyst: CAREQD11RA0001A23839

Authorized Signatory

TRA-096742

NABL accredited, BIS,DGS & D, DDA, MOEF, DGCA approved,  
ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf



**TEST REPORT**

Issued To : **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE  
  
PITAMPURA NEW DELHI - 122016

Report No.: 120221036/1202210069 Date: 15-Mar-2012  
DOR 21-Feb-2012

Sample Description :  
ENV TEST AT SITE

Phone/Fax:  
Kind Attn. : MR. KAFEEL AHMED

Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012

ID-1202210069

**Ambient Air Analysis Report**

|  |  |   |   |
|--|--|---|---|
| Name & Address of the Company                                    | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034 |   |   |
| Name of the Site   | Unity Infra Projects:(University Of Delhi-North Campus)  |   |   |
| Location of Sampling Point                                       | Near Botany Building   |   |   |
| Date of Sampling   | 04/03/2012   |   |   |
| Sampling Started at  | 01:30 P.M. (04/03/2012)  |   |   |
| Sampling Completed at  | 01:30 P.M. (05/03/2012)  |   |   |
| Actual Time of Sampling (minutes)                                | 1440   |   |   |
| Av. Flow Rate for SPM (m <sup>3</sup> /min.)                     | 1.15   |   |   |
| Total Volume of Air Sampled for SPM (m <sup>3</sup> )            | 1656   |   |   |
| Average Ambient Temperature (°C)                                 | 26   |   |   |
| Purpose of Monitoring  | To Assess Pollution Load   |   |   |
| <b>PARAMETERS</b>  | <b>RESULTS</b>   | <b>Limits as per CPCB (MOEF)</b>                        |   |
|  |  | <b>Industrial, Residential, Rural &amp; other areas</b> | <b>Ecologically Sensitive Area (notified by Central Government)</b> |
| Particulate Matter PM <sub>2.5</sub> (µg/m <sup>3</sup> )        | 112  | 60  | 60  |
| Particulate Matter PM <sub>10</sub> (µg/m <sup>3</sup> )         | 170  | 100   | 100   |
| Sulphur Dioxide (as SO <sub>2</sub> ) (µg/m <sup>3</sup> )       | 5.5  | 80  | 80  |
| Oxides of Nitrogen (as NO <sub>2</sub> ) (µg/m <sup>3</sup> )    | 34.3   | 80  | 80  |
| Carbon Monoxide (as CO), (mg/m <sup>3</sup> )                    | 1.17   | 02  | 02  |
| Ozone (as O <sub>3</sub> ) (µg/m <sup>3</sup> )                  | 21.4   | 100   | 100   |
| Lead (as Pb) (µg/m <sup>3</sup> )                                | N.D  | 1.0   | 1.0   |
| Ammonia (as NH <sub>3</sub> ) (µg/m <sup>3</sup> )               | 17.1   | 400   | 400   |
| Benzene (as C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> ) | N.D  | 05  | 05  |
| Benzo (O) Pyrene (as BaP) (ng/m <sup>3</sup> )                   | N.D  | 01  | 01  |
| Arsenic (as As) (ng/m <sup>3</sup> )                             | N.D  | 06  | 06  |
| Nickel (as Ni) (ng/m <sup>3</sup> )                              | N.D  | 20  | 20  |

Protocol - IS: 5182 (Pt-2, 4, 6 & 23) / EPA Guideline, IS-13270/HPI-C/GC/ICP

Analyst CCREQD\2\IRA000\IA23839



Authorized Signatory

TRA-096740

NABL accredited, BIS,DGS & D, DDA, MOEF, DGCA approved,  
ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf



**TEST REPORT**

Issued To : **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Report No.: 120221036/1202210069

Date: 03-Apr-2012  
DOR 21-Feb-2012

Sample Description :  
ENV.TEST AT SITE

PITAMPURA NEW DELHI - 122016

Phone/Fax:  
Kind Attn. : MR. KAFEEL AHMED

Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012

ID-1202210069

Ambient Air Analysis Report

| Name & Address of the Company                                    | M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034 |  |  |
|--|--|--|--|
| Name of the Site   | Unity Infra Projects:(University Of Delhi-North Campus)  |  |  |
| Location of Sampling Point                                       | Near Examination Hall  |  |  |
| Date of Sampling   | 26/03/2012   |  |  |
| Sampling Started at  | 12:10 P.M. (26/03/2012)  |  |  |
| Sampling Completed at  | 12:10 P.M. (27/03/2012)  |  |  |
| Actual Time of Sampling (minutes)                                | 1440   |  |  |
| Av. Flow Rate for SPM (m <sup>3</sup> /min.)                     | 1.1  |  |  |
| Total Volume of Air Sampled for SPM (m <sup>3</sup> )            | 1584   |  |  |
| Average Ambient Temperature (°C)                                 | 27   |  |  |
| Purpose of Monitoring  | To Assess Pollution Load   |  |  |
| PARAMETERS   | RESULTS  | Limits as per CPCB (MOEF)                    |  |
|  |  | Industrial, Residential, Rural & other areas | Ecologically Sensitive Area (notified by Central Government) |
| Particulate Matter PM <sub>2.5</sub> (µg/m <sup>3</sup> )        | 101  | 60   | 60   |
| Particulate Matter PM <sub>10</sub> (µg/m <sup>3</sup> )         | 152  | 100  | 100  |
| Sulphur Dioxide (as SO <sub>2</sub> ) (µg/m <sup>3</sup> )       | < 5.0  | 80   | 80   |
| Oxides of Nitrogen (as NO <sub>2</sub> ) (µg/m <sup>3</sup> )    | 37.1   | 80   | 80   |
| Carbon Monoxide (as CO), (mg/m <sup>3</sup> )                    | 1.13   | 02   | 02   |
| Ozone (as O <sub>3</sub> ) (µg/m <sup>3</sup> )                  | 24.5   | 100  | 100  |
| Lead (as Pb) (µg/m <sup>3</sup> )                                | N.D  | 1.0  | 1.0  |
| Ammonia (as NH <sub>3</sub> ) (µg/m <sup>3</sup> )               | 15.4   | 400  | 400  |
| Benzene (as C <sub>6</sub> H <sub>6</sub> ) (µg/m <sup>3</sup> ) | N.D  | 05   | 05   |
| Benzo (O) Pyrene (as BaP) (µg/m <sup>3</sup> )                   | N.D  | 01   | 01   |
| Arsenic (as As) (ng/m <sup>3</sup> )                             | N.D  | 06   | 06   |
| Nickel (as Ni) (ng/m <sup>3</sup> )                              | N.D  | 20   | 20   |

Protocol - IS: 5182 (Pt -2, 4, 6 & 23) / EPA Guideline, IS-13270/HPLC/GC/ICP

Analyst CCREQD12RA0001A23839

Authorised Signatory

TRA- 089357

NABL accredited, BIS,DGS & D, DDA, MOEF, DGCA approved,  
ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf

**TEST REPORT**

Issued To : UNITY INFRAPROJECTS LTD.(PITAMPURA)  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE  
  
PITAMPURA NEW DELHI - 122016

Report No.: 120221036/1202210069 Date: 15-Mar-2012  
DOR 21-Feb-2012

Sample Description :  
ENV TEST AT SITE

Phone/Fax: Kind Attn.: MR. KAFEEL AHMED

Your Ref. No.: UIL/DU/MONITORING/2012 DT.16.02.2012

**AMBIENT NOISE MONITORING REPORT**

ID-1202210069

Date: 04/03/2012 to 05/03/2012

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

Location: Near Chemistry Building

| Time     | Hourly Leq dB (A) | Result dB (A) |      |
|----------|-------------------|---------------|------|
| MIDNIGHT | 54.4              | Leg(24)       | 64.5 |
| 1:00 AM  | 51.3              | L10           | 68.8 |
| 2        | 48.8              | L50           | 67.0 |
| 3        | 48.5              | L90           | 65.0 |
| 4        | 47.6              | Lday          | 65.9 |
| 5        | 51.1              | Lnight        | 57.4 |
| 6        | 51.8              | Ldn           | 66.5 |
| 7        | 63.9              | Lmax          | 69.1 |
| 8        | 55.2              | Lmin          | 47.6 |
| 9        | 61.2              |               |      |
| 10       | 64.4              |               |      |
| 11       | 65.8              |               |      |
| 12 NOON  | 66.9              |               |      |
| 13       | 68.9              |               |      |
| 14       | 69.1              |               |      |
| 15       | 68.0              |               |      |
| 16       | 67.9              |               |      |
| 17       | 68.2              |               |      |
| 18       | 67.0              |               |      |
| 19       | 66.0              |               |      |
| 20       | 64.6              |               |      |
| 21       | 63.2              |               |      |
| 22       | 60.7              |               |      |
| 23       | 57.2              |               |      |



| 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

Analyst CCREQD12IRA000VA23839

*[Signature]*  
Authorised Signatory

TRA-096741

NABL accredited, BIS,DGS & D, DDA, MOEF, DGCA approved,  
ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf

**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. : MR. KAFEEL AHMED

Report No.: 120221036/1202210069  
Date: 15-Mar-2012  
DOR 21-Feb-2012

Sample Description :  
ENV TEST AT SITE

Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012

**AMBIENT NOISE MONITORING REPORT**

ID-1202210069

Date: 04/03/2012 to 05/03/2012

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

Location: Near Botany Building

| Time     | Hourly Leq<br>dB (A) | Result dB (A) |      |
|----------|----------------------|---------------|------|
| MIDNIGHT | 53.7                 | Leq(24)       | 64.0 |
| 1:00 AM  | 52.3                 | L10           | 67.9 |
| 2        | 49.8                 | L50           | 66.6 |
| 3        | 48.5                 | L90           | 64.6 |
| 4        | 47.6                 | Lday          | 65.4 |
| 5        | 50.1                 | Lnight        | 57.5 |
| 6        | 51.8                 | Ldn           | 66.2 |
| 7        | 56.9                 | Lmax          | 68   |
| 8        | 57.2                 | Lmin          | 47.6 |
| 9        | 61.9                 |               |      |
| 10       | 65.3                 |               |      |
| 11       | 66.5                 |               |      |
| 12 NOON  | 67.2                 |               |      |
| 13       | 65.8                 |               |      |
| 14       | 67.8                 |               |      |
| 15       | 65.9                 |               |      |
| 16       | 66.9                 |               |      |
| 17       | 67.9                 |               |      |
| 18       | 68.0                 |               |      |
| 19       | 67.0                 |               |      |
| 20       | 65.6                 |               |      |
| 21       | 63.2                 |               |      |
| 22       | 61.7                 |               |      |
| 23       | 55.2                 |               |      |



| 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

Analyst CCREQD12IRA000VA23839

Authorised Signatory

TRA-096731

NABL accredited, BIS, DGS & D, DDA, MOEF, DGCA approved,  
ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf

**TEST REPORT**

Issued To : **UNITY INFRAPROJECTS LTD.(PITAMPURA)**  
1352, 13TH FLR, AGGARWAL METRO HEIGHT  
NETAJI-SUBHASH PLACE

Sample Description :  
ENV TEST AT SITE

Report No.: 120221036/1202210069

Date: 03-Apr-2012  
DOR 21-Feb-2012

PITAMPURA NEW DELHI - 122016

Phone/Fax:  
Kind Attn.: MR. KAHEEL AHMED

Your Ref. No.: UIL/DU/MONITORING/2012 DT.16.02.2012

**AMBIENT NOISE MONITORING REPORT**

ID-1202210069

Date: 26/03/2012 to 27/03/2012

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

Location: Near Examination Hall

| Time     | Hourly Leq dB (A) | Result dB (A) |      |
|----------|-------------------|---------------|------|
| MIDNIGHT | 53.0              | Leq(24)       | 64.7 |
| 1:00 AM  | 52.8              | L10           | 69.7 |
| 2        | 49.3              | L50           | 67.5 |
| 3        | 48.0              | L90           | 65.3 |
| 4        | 49.0              | Lday          | 66.3 |
| 5        | 50.6              | Lnight        | 54.4 |
| 6        | 51.4              | Ldn           | 65.8 |
| 7        | 57.8              | Lmax          | 70.0 |
| 8        | 59.9              | Lmin          | 48.0 |
| 9        | 62.0              |               |      |
| 10       | 64.3              |               |      |
| 11       | 67.8              |               |      |
| 12 NOON  | 68.9              |               |      |
| 13       | 67.0              |               |      |
| 14       | 69.2              |               |      |
| 15       | 70.0              |               |      |
| 16       | 69.9              |               |      |
| 17       | 68.2              |               |      |
| 18       | 67.0              |               |      |
| 19       | 64.0              |               |      |
| 20       | 62.5              |               |      |
| 21       | 59.1              |               |      |
| 22       | 56.5              |               |      |
| 23       | 55.3              |               |      |

| 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                   |

*[Signature]*  
CCREQD12IRA0001A23839  
Analyst

Protocol: IS 4954: 1968

*[Signature]*  
Authorised Signatory

TRA- 089358

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**TEST REPORT**

|   |  |                                      |                                      |
|---|--|--------------------------------------|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | Sample Description :<br>ENV TEST AT SITE | Report No.: 120221036/1202210069     | Date: 03-Apr-2012<br>DOR 21-Feb-2012 |
| Phone/Fax:<br>Kind Attn. : <b>MR. KAFEEL AHMED</b>  | Your Ref. No. :                          | UIL/DU/MONITORING/2012 DT.16.02.2012 |                                      |

**ID-1202210069**

Light Intensity Report

|   |   |   |  |
|---|---|---|--|
| <b>Name &amp; Address of the Industry</b> | - | <b>M/s Unity Infra Projects Limited:<br/>1352, Aggarwal Metro heights,<br/>Netaji Subhash Place, New Delhi-110034</b> |  |
| <b>Date of Sampling</b>                   | - | 06/03/2012  |  |
| <b>Location of Sampling</b>               | - | Unity Infra Projects:(University Of Delhi-North<br>Campus)Near Examination Building                                   |  |
| <b>Sampling Completed at</b>              | - | 8.00 P.M  |  |
| <b><u>PARAMETERS</u></b>                  |   | <b><u>RESULTS</u></b>   | <b><u>LIMITS</u></b><br>[IS:3646 (Part-1) :1992] |
| Light Intensity (LUX)                     | - | 45 to 70  | 50-150   |



*[Signature]*  
CCREQD14IRA000IA23839  
Analyst

*[Signature]*  
Authorised Signatory

**TRA-072989**

**TEST REPORT**

|   |  |                                      |
|---|--|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | Report No.: 120221036/1202210069                     | Date: 03-Apr-2012<br>DOR 21-Feb-2012 |
| Sample Description :<br>ENV TEST AT SITE  | Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012 |                                      |
| Phone/Fax:<br>Kind Attn. : MR. KAFEEL AHMED   |  |                                      |

ID - 1202210069

Light Intensity Report

|                                |   |  |  |
|--------------------------------|---|--|--|
| Name & Address of the Industry | - | M/s Unity Infra Projects Limited:<br>1352, Aggarwal Metro heights,<br>Netaji Subhash Place, New Delhi-110034 |  |
| Date of Sampling               | - | 06/03/2012   |  |
| Location of Sampling           | - | Unity Infra Projects:(University Of Delhi-North<br>Campus)Near Botany Building.                              |  |
| Sampling Completed at          | - | 08.45 P.M  |  |
| <u>PARAMETERS</u>              |   | <u>RESULTS</u>   | <u>LIMITS</u><br>IS: 3646(Part-1) 1992 |
| Light Intensity (LUX)          | - | 93 to 124  | 50-150                                 |



CCREQD\WIRA000\IA23839  
Analyst

*Signature*  
Authorised Signatory

TRA-072998

**TEST REPORT**

|   |  |                                      |
|---|--|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | Report No.: 120221036/1202210069                     | Date: 03-Apr-2012<br>DOR 21-Feb-2012 |
| Sample Description :<br>ENV TEST AT SITE  | Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012 |                                      |
| Phone/Fax:<br>Kind Attn. : MR. KAFEEL AHMED   |  |                                      |

ID - 1202210069

Light Intensity Report

|                                |   |  |   |
|--------------------------------|---|--|---|
| Name & Address of the Industry | - | M/s Unity Infra Projects Limited:<br>1352, Aggarwal Metro heights,<br>Netaji Subhash Place, New Delhi-110034 |   |
| Date of Sampling               | - | 06/03/2012   |   |
| Location of Sampling           | - | Unity Infra Projects:(University Of Delhi-North Campus)<br>Near Chemistry Building                           |   |
| Sampling Completed at          | - | 08.25 P.M  |   |
| <u>PARAMETERS</u>              |   | <u>RESULTS</u>   | <u>LIMITS</u><br><u>IS :3646(Part-1):1992</u> |
| Light Intensity (LUX)          | - | 120 to 180   | 50-150  |



*[Signature]*  
CCREQD41RA0001A23839  
Analyst

*[Signature]*  
Authorised Signatory

TRA-072997

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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.: MR. KAFEEL AHMED

Report No.: 120221036/1202210069  
Date: 15-Mar-2012  
DOR 21-Feb-2012

Sample Description :  
ENV TEST AT SITE

Your Ref. No.: UIL/DU/MONITORING/2012 DT.16.02.2012

ID-1202210069

**Stack Emission Analysis Report**

Description - DG Stack Emission Monitoring conducted by our team.  
Date of Sampling - 05/03/2012  
Name& Address of the Industry - M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034  
Name of the Site - Unity Infra Projects:(University Of Delhi-North Campus)  
Emission Source Monitored - Stack attached to D.G. Set No. 1 (62.5 KVA)  
Normal Operating Schedule - As per requirement  
Fuel Used - HSD  
Type of Stack (ACC/Metal) - Metal  
Stack Height (m) - 3.0  
Diameter of Stack (cm) - 7.6  
Sampling Duration (Minutes) - 30  
Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO  
Purpose of Monitoring - Assessment of Pollution load  
Control Measures (if any) - Nil  
Recovery of Materials (if any) - Nil  
General Sensory Observations - Normal  
Fugitive Emission (if any) - Nil  
Stack Temperature (°C) - 165  
Ambient Temperature (°C) - 27  
Average Stack Velocity (m/s) - 10.7  
Quantity of Emission (Nm<sup>3</sup>/hr) - 118.8

| PARAMETERS   | RESULTS | EMISSION RATE(g/kwh) |
|--|---------|----------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )  | - 13.8  | 0.11                 |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)  | - 2.8   | 0.06                 |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)   | - 34.6  | 0.51                 |
| Carbon Monoxide (as CO) , (ppm)  | - 200   | 1.8                  |
| Standard Limits (g/kw-h) for (>260 Kw upto 800 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3, NO <sub>2</sub> = 9.2, CO=3.5 |         |                      |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC  |         |                      |

Analyst CCREQD12IRA0001A23839



Authorized Signatory

TRA-096732

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ISO - 9001: 2008 & ISO 14001 : 2004 Certified Laboratory  
Subject to Terms & Conditions Overleaf

(1A)



**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.: MR. KAFEEL AHMED

Sample Description :  
ENV TEST AT SITE

Report No.: 120221036/1202210069

Date: 15-Mar-2012  
DOR 21-Feb-2012

Your Ref. No.: UIL/DU/MONITORING/2012 DT.16.02.2012

ID-1202210069

Stack Emission Analysis Report

Description - Paint Booth Stack Emission Monitoring conducted by our team.  
Date of Sampling - 05/03/2012  
Name of the Site - Unity Infra Projects:(University Of Delhi-North Campus)  
Name& Address of the Industry - M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights,  
Netaji Subhash Place, New Delhi-110034  
Emission Source Monitored - Stack attached to D.G. Set No. 2 (62.5KAV)  
Normal Operating Schedule - As per requirement  
Type of Stack (ACC/Metal) - Metal  
Stack Height (m) - 3  
Dimension of Stack (cm) - 7.6  
Sampling Duration (Minutes) - 30  
Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO  
Purpose of Monitoring - Assessment of Pollution load  
Control Measures (if any) - Nil  
Recovery of Materials (if any) - Nil  
General Sensory Observations - Normal  
Fugitive Emission (if any) - Nil  
Stack Temperature (°C) - 134  
Ambient Temperature (°C) - 27  
Average Stack Velocity (m/s) - 8.4  
Quantity of Emission (Nm<sup>3</sup>/hr) - 100.4

| PARAMETERS   | RESULTS | EMISSION RATE(g/kwh) |
|--|---------|----------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )  | - 16.7  | 0.13                 |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)  | - 2.6   | 0.05                 |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)   | - 38.9  | 0.57                 |
| Carbon Monoxide (as CO) , (ppm)  | - 157   | 1.41                 |
| Standard Limits (g/kw-h) for (> 50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>x</sub> = 9.2; CO=3.5 |         |                      |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC  |         |                      |

Analyst: CCREQD12IRA000IA23839



Authorised Signatory

TRA- 096733

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**TEST REPORT**

|   |  |                                      |
|---|--|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | Report No. : 120221036/1202210069                    | Date: 03-Apr-2012<br>DOR 21-Feb-2012 |
| Sample Description :<br>ENV TEST AT SITE  | Your Ref. No. : UIL/DU/MONITORING/2012 DT.16.02.2012 |                                      |
| Phone/Fax:<br>Kind Attn. : MR. KAFEEL AHMED   |  |                                      |

ID - 1202210069


**Noise Analysis Report**

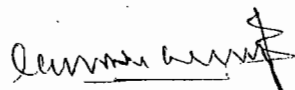
Location Name : **Outside DG 62.5KVA (University Of Delhi-North Campus)**  
Date of Monitoring : **05.03.12**  
Time of Monitoring : **1.55 – 2.05 PM**  
Protocol : **IS 6098-1971**

| S.No.                   | Time      | Sound Pressure Level dB (A) | Activities                          |
|-------------------------|-----------|-----------------------------|-------------------------------------|
| 1.                      | 1.56 P.M. | 69.2                        | DG Set No.1 (62.5 KVA) was running. |
| 2.                      | 1.57 P.M. | 68.0                        |                                     |
| 3.                      | 1.58 P.M. | 69.6                        |                                     |
| 4.                      | 1.59 P.M. | 70.3                        |                                     |
| 5.                      | 2.00 P.M. | 68.5                        |                                     |
| 6.                      | 2.01 P.M. | 68.9                        |                                     |
| 7.                      | 2.02 P.M. | 68.0                        |                                     |
| 8.                      | 2.03 P.M. | 67.9                        |                                     |
| 9.                      | 2.04 P.M. | 69.9                        |                                     |
| 10.                     | 2.05 P.M. | 68.1                        |                                     |
| <b>Max- 70.3 dB (A)</b> |           | <b>Min- 67.9 dB (A)</b>     | <b>Leq - 68.9 dB (A)</b>            |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.

(Ref. : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

  
Analyst  
CCREQD131RA0001A23839

  
Authorised Signatory

TRA-072994

**TEST REPORT**

|  |   |   |
|--|---|---|
| <b>Issued To :</b> UNITY INFRAPROJECTS LTD.(PITAMPURA)<br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016<br><br>Phone/Fax:<br>Kind Attn. : MR. KAFEEL AHMED | <b>Sample Description :</b><br>ENV TEST AT SITE | <b>Report No.:</b> 120221036/1202210069<br><br><b>Date:</b> 03-Apr-2012<br><b>DOR</b> 21-Feb-2012 |
| <b>Your Ref. No. :</b> UIL/DU/MONITORING/2012 DT.16.02.2012  |   |   |

**ID - 1202210069**

**Noise Analysis Report**

**Location Name** : Outside DG 62.5KVA (University Of Delhi-North Campus)  
**Date of Monitoring** : 05.03.12  
**Time of Monitoring** : 2.10 – 2.20 P.M.  
**Protocol** : IS 6098-1971

| S.No.  | Time      | Sound Pressure Level dB (A) | Activities                          |
|--|-----------|-----------------------------|-------------------------------------|
| 1.   | 2.11 P.M. | 68.8                        | DG Set No.2 (62.5 KVA) was running. |
| 2.   | 2.12 P.M. | 68.9                        |                                     |
| 3.   | 2.13 P.M. | 67.6                        |                                     |
| 4.   | 2.14 P.M. | 68.0                        |                                     |
| 5.   | 2.15 P.M. | 69.6                        |                                     |
| 6.   | 2.16 P.M. | 69.4                        |                                     |
| 7.   | 2.17 P.M. | 70.8                        |                                     |
| 8.   | 2.18 P.M. | 70.4                        |                                     |
| 9.   | 2.19 P.M. | 69.7                        |                                     |
| 10.  | 2.20 P.M. | 69.4                        |                                     |
| <b>Max- 70.8 dB (A)      Min- 67.6 dB (A)      Leq - 69.3 dB (A)</b> |           |                             |                                     |

The maximum permissible sound pressure level for diesel generator (DG) sets - 75 dB(A) at 1 meter from the enclosure surface.

(Ref. : G.S.R. 371(E), Ministry of Environment and Forests Notification New Delhi, the 17th May, 2002)

6CREQD131RA0001A23839  
Analyst

*[Signature]*  
Authorised Signatory

**TRA- 072995**

**TEST REPORT**

Issued To : UNITY INFRAPROJECTS LTD.(PITAMPURA)  
1352,13TH FLR,AGGARWAL METRO HEIGHT  
NETAJI SUBHASH PLACE

Report No.: 120903066/1209030279

Date: 07-Sep-2012  
DOR: 03-Sep-2012

Sample Description :  
LIGHT INTENSITY

PITAMPURA NEW DELHI - 122016

Phone/Fax: 9953105498  
Kind Attn.: MR. KAFEEL AHMED

Your Ref. No. :

ID - 1209030279

Light Intensity Report

|                                |   |  |   |
|--------------------------------|---|--|---|
| Name & Address of the Industry | - | M/s Unity Infra Projects Limited:<br>1352, Aggarwal Metro heights,<br>Netaji Subhash Place, New Delhi-110034 |   |
| Date of Sampling               | - | 31/08/2012   |   |
| Location of Sampling           | - | Unity Infra Projects:(University Of Delhi-North<br>Campus)Near Botany Building.                              |   |
| Sampling Completed at          | - | 08.45 P.M (31/08/2012)   |   |
| <u>PARAMETERS</u>              |   | <u>RESULTS</u>   | <u>LIMITS</u><br><u>IS: 3646(Part-1) 1992</u> |
| Light Intensity (LUX)          | - | 125  | 50-150  |



Analyst

CCREQD\3\IRA000\NA88427

*[Signature]*  
Authorised Signatory

TRA-080384

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**TEST REPORT**

|   |                                  |                                      |
|---|----------------------------------|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016 | Report No.: 120903066/1209030279 | Date: 07-Sep-2012<br>DOR 03-Sep-2012 |
| Sample Description :<br>LIGHT INTENSITY   | Your Ref. No. :                  |                                      |
| Phone/Fax: 9953105498<br>Kind Attn. : MR. KAFEEL AHMED  |                                  |                                      |

| ID-1209030279                  |  |   |
|--------------------------------|--|---|
| <u>Light Intensity Report</u>  |  |   |
| Name & Address of the Industry | M/s Unity Infra Projects Limited:<br>1352, Aggarwal Metro heights,<br>Netaji Subhash Place, New Delhi-110034 |   |
| Date of Sampling               | - 31/08/2012   |   |
| Location of Sampling           | - Unity Infra Projects:(University Of Delhi-North<br>Campus)Near Examination Building                        |   |
| Sampling Completed at          | - 8.00 P.M (31/08/2012)  |   |
| <u>PARAMETERS</u>              | <u>RESULTS</u>   | <u>LIMITS</u><br>[IS:3646 (Part-1) :1992] |
| Light Intensity (LUX)          | - 70 /   | 50-150 /                                  |



CCREQD\1\RA000\A88427  
Analyst

*[Signature]*  
Authorised Signatory

TRA-080382

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ISO - 9001:2008 & ISO 14001:2004 Certified Laboratory  
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(15)

**TEST REPORT**

|   |                                  |                                      |
|---|----------------------------------|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 120116 | Report No.: 120903066/1209030279 | Date: 07-Sep-2012<br>DOR 03-Sep-2012 |
| Sample Description :<br>LIGHT INTENSITY   | Your Ref. No. :                  |                                      |
| Phone/Fax: 9953105498<br>Kind Attn. : MR. KAFEEL AHMED  |                                  |                                      |

| ID - 1209030279                |                |  |
|--------------------------------|----------------|--|
| <u>Light Intensity Report</u>  |                |  |
| Name & Address of the Industry | -              | M/s Unity Infra Projects Limited:<br>1352, Aggarwal Metro heights,<br>Netaji Subhash Place, New Delhi-110034 |
| Date of Sampling               | -              | 31/08/2012   |
| Location of Sampling           | -              | Unity Infra Projects:(University Of Delhi-North Campus)<br>Near Chemistry Building                           |
| Sampling Completed at          | -              | 08.25 P.M (31/08/2012)   |
| <u>PARAMETERS</u>              | <u>RESULTS</u> | <u>LIMITS</u><br><u>IS :3646(Part-1):1992</u>  |
| Light Intensity (LUX)          | -              | 170  |
|                                |                | 50-150   |



Analyst CCREQD\2\RA000\NA88427

*[Signature]*  
Authorised Signatory

**TEST REPORT**

|   |  |   |
|---|--|---|
| <b>Issued To :</b> UNITY INFRAPROJECTS LTD.(PITAMPURA)<br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016<br><br>Phone/Fax: 9953105498<br>Kind Attn. : MR. KAHEEL AHMED | <b>Report No.:</b> 120903066/1209030277<br><br><b>Sample Description :</b><br>STACK EMISSION<br><br><b>Your Ref. No. :</b> | <b>Date:</b> 07-Sep-2012<br><b>DOR:</b> 03-Sep-2012 |
|---|--|---|

ID-1209030277

**Stack Emission Analysis Report**

- Description - Paint Booth Stack Emission Monitoring conducted by our team.
- Date of Sampling - 31/08/2012
- Name & Address of the Industry - M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034
- Name of the Site - Unity Infra Projects:(University Of Delhi-North Campus)
- Emission Source Monitored - Stack attached to D.G. Set No. 2(62.KAV)
- Normal Operating Schedule - As per requirement
- Type of Stack (ACC/Metal) - Metal
- Stack Height (m) - 2.7
- Dimension of Stack (cm) - 6.3
- Sampling Duration (Minutes) - 30
- Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO
- Purpose of Monitoring - Assessment of Pollution load
- Control Measures (if any) - Nil
- Recovery of Materials (if any) - Nil
- General Sensory Observations - Normal
- Fugitive Emission (if any) - Nil
- Stack Temperature (°C) - 185
- Ambient Temperature (°C) - 34
- Average Stack Velocity (m/s) - 9.3
- Quantity of Emission (Nm<sup>3</sup>/hr) - 192

| PARAMETERS  | RESULTS | EMISSION RATE(g/hour) |
|---|---------|-----------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )   | - 16.0  | 0.11                  |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)   | - < 2.0 | 0.04                  |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)  | - 44.6  | 0.66                  |
| Carbon Monoxide (as CO) , (ppm)   | - 157   | 1.40                  |
| Standard Limits (g/hour-h) for (>50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |         |                       |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC   |         |                       |



Analyst

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*[Signature]*  
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TRA-080378

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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: 9953105498  
Kind Alln.: MR. KAFEEL AHMED

Report No.: 120903066/1209030277  
Sample Description : STACK EMISSION  
Date: 07-Sep-2012  
DOR 03-Sep-2012

Your Ref. No. :

**ID-1209030277**

**Stack Emission Analysis Report**

Description - DG Stack Emission Monitoring conducted by our team.  
Date of Sampling - 31/08/2012  
Name& Address of the Industry - **M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034**  
Name of the Site - Unity Infra Projects:(University Of Delhi-North Campus)  
Emission Source Monitored - Stack attached to D.G. Set No. 3 (62.5 KVA)  
Normal Operating Schedule - As per requirement  
Fuel Used - HSD  
Type of Stack (ACC/Metal) - Metal  
Stack Height (m) - 3.0  
Diameter of Stack (cm) - 7.6  
Sampling Duration (Minutes) - 30  
Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO  
Purpose of Monitoring - Assessment of Pollution load  
Control Measures (if any) - Nil  
Recovery of Materials (if any) - Nil  
General Sensory Observations - Normal  
Fugitive Emission (if any) - Nil  
Stack Temperature (°C) - 165  
Ambient Temperature (°C) - 34  
Average Stack Velocity (m/s) - 10.2  
Quantity of Emission (Nm<sup>3</sup>/hr) - 220

| PARAMETERS   | RESULTS | EMISSION RATE(g/levh) |
|--|---------|-----------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )  | - 13.1  | 0.10                  |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)  | - < 2.0 | 0.04                  |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)   | - 32.3  | 0.48                  |
| Carbon Monoxide (as CO) , (ppm)  | - 148   | 1.3                   |
| Standard Limits (g/lev-h) for (>50 Kw upto 260 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |         |                       |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC  |         |                       |



Analyst **CCREQDI3IRA000VA88427**

*[Signature]*  
Authorised Signatory

**TRA- 080379**

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(18)



**TEST REPORT**

|  |                                  |                                      |
|--|----------------------------------|--------------------------------------|
| Issued To : <b>UNITY INFRAPROJECTS LTD.(PITAMPURA)</b><br>1352,13TH FLR,AGGARWAL METRO HEIGHT<br>NETAJI SUBHASH PLACE<br><br>PITAMPURA NEW DELHI - 122016<br><br>Phone/Fax: 9953105498<br>Kind Attn.: MR. KAFEEL AHMED | Report No.: 120903066/1209030277 | Date: 07-Sep-2012<br>DOR 03-Sep-2012 |
| Sample Description :<br>STACK EMISSION   | Your Ref. No. :                  |                                      |

**ID-1209030277**

**Stack Emission Analysis Report**

- Description - DG Stack Emission Monitoring conducted by our team.
- Date of Sampling - 30/08/2012
- Name & Address of the Industry - **M/s Unity Infra Projects Limited: 1352, Aggarwal Metro heights, Netaji Subhash Place, New Delhi-110034**
- Name of the Site - Unity Infra Projects:(University of Delhi-North Campus)
- Emission Source Monitored - Stack attached to D.G. Set No. 1 (125 KVA)
- Normal Operating Schedule - As per requirement
- Fuel Used - HSD
- Type of Stack (ACC/Metal) - Metal
- Stack Height (m) - 3.2
- Diameter of Stack (cm) - 10.16
- Sampling Duration (Minutes) - 30
- Parameters Monitored - PM, SO<sub>2</sub>, NO<sub>x</sub>, & CO
- Purpose of Monitoring - Assessment of Pollution load
- Control Measures (if any) - Nil
- Recovery of Materials (if any) - Nil
- General Sensory Observations - Normal
- Fugitive Emission (if any) - Nil
- Stack Temperature (°C) - 173
- Ambient Temperature (°C) - 33
- Average Stack Velocity (m/s) - 11.0
- Quantity of Emission (Nm<sup>3</sup>/hr) - 234

| PARAMETERS  | RESULTS | EMISSION RATE(g/kwh) |
|---|---------|----------------------|
| Particulate Matter(as PM) , (mg/Nm <sup>3</sup> )   | 17.6    | 0.14                 |
| Sulphur Dioxide (as SO <sub>2</sub> ) , (ppm)   | < 2.0   | 0.04                 |
| Oxides of Nitrogen (as NO <sub>2</sub> ) , (ppm)  | 40.4    | 0.60                 |
| Carbon Monoxide (as CO) , (ppm)   | 186     | 1.7                  |
| Standard Limits (g/kwh-h) for (>260 Kw upto 800 Kw) as per MOEF Notification dated 01-07-2003 - PM = 0.3; NO <sub>2</sub> = 9.2; CO=3.5 |         |                      |
| Protocol - IS: 11255(1,2 & 7) / IS: 13270-1992/GC   |         |                      |



Analyst

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*[Signature]*  
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