

J.M. Envirolab Pvt. Ltd.

INTERNATIONAL ENVIRONMENTAL RESEARCH AND DEVELOPMENT CENTRE

Approved Environmental & Food Testing Laboratory

Accredited from MoEF-EPA, NABL, MSME, NSIC, ISO 9001 : 2008, ISO 14001 : 2004 & OHSAS 18001 : 2007

SCO-16, Sector-10A, Gurgaon-122 001 (Haryana) INDIA • TEL.: +91-124 4873400 • FAX: +91-124-4141029

E-mail: jmenvirolab@hotmail.com • Website : www.jmenvirolab.com

TEST REPORT

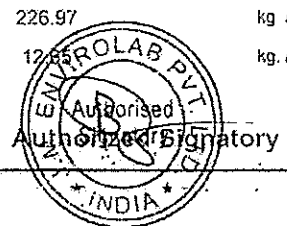
Sample Number	JME/HT/S/01	Report No.	JME/S/150331001
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-05
Sample Description	SOIL	Party Reference No.	Nil
Sampling Location	Village-Baghola	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Composite
Longitude	----	Sample Quantity	2.0 kg
Sampling & Analysis Protocol	IS-2720,USDA,Method Manual of Soil Testing in Ind.	Depth of Sampling	30 cm
		Packing Status	Temp. sealed

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
1	pH (at 25 0C)(1:2.5 soil water sus.)	IS : 2720 (P-26,1987)	7.68	
2	Conductivity(1:2soil water sus.)	IS:14767,2000	0.35	mS/cm
3	Soil Texture	USDA :1954 Reaffirmed 2010	Sandy Loam	
4	Colour	USDA :1954 Reaffirmed 2010	Yellowish Brown	
5	Water holding capacity	USDA :1954 Reaffirmed 2010	37.94	%
6	Bulk density	USDA :1954 Reaffirmed 2010 (Page-121)	1.34	gm/cc
7	Chloride	USDA :1954 Reaffirmed 2010(Page-133)	315.51	mg/kg
8	Exchangable Calcium as Ca	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(16a	367.93	mg/kg
9	Exchangable Sodium as Na	USDA :1954 Reaffirmed 2010(Page-96)	106.30	mg/kg
10	Available Potassium as K	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(14)	277.05	kg /hec.
11	Organic Matter	IS:2720 (P-22, 1972) 2001	0.63	%
12	Exchangable Magnesium as Mg	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(16b	69.46	mg/kg
13	Nitrogen as N	IS:14684, 1999	226.97	kg /hec
14	Available Phosphorus	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of	12.65	kg. /hec.

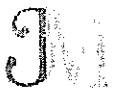
Dushad
Tested by

[Signature]
Checked by



Note:

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2. This report is for your reference only and not to be used for any legal purpose.
3. Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
4. Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
5. The sample will be destroyed after retention time unless otherwise specified specially.
6. Emplacement of the product tested by the laboratory is neither inferred nor implied.
7. All disputes are subject to exclusive jurisdiction of Jaipur court only.



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TEST REPORT

Sample Number

JME/HT/S/01

Report No.

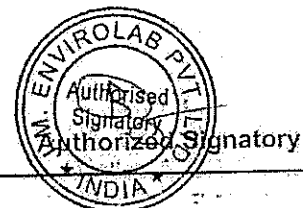
JME/S/150331001

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
14		Ag.Govt.of Ind.)2011,4.6.3(13)		
15	Total Zinc as Zn	JMELPL/STOP/02(37)	35.00	mg/kg
16	Manganese as Mn	JMELPL/STOP/02(37)	218.0	mg/kg
17	Chromium as Cr	JMELPL/STOP/02(37)	5.00	mg/kg
18	Total Lead as Pb	JMELPL/STOP/02(37)	8.00	mg/kg
19	Total Cadmium as Cd	JMELPL/STOP/02(37)	2.00	mg/kg
20	Total Copper as Cu	JMELPL/STOP/02(37)	20.00	mg/kg

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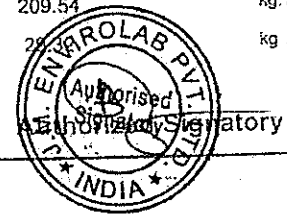
Sample Number	JME/HT/S/02	Report No.	JME/S/150331002
Name & Address of Unit	M/s.Hind Torminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-05
Sample Description	SOIL	Party Reference No.	Nil
Sampling Location	Village-Janoli	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Composite
Longitude	----	Sample Quantity	2.0 kg
Sampling & Analysis Protocol	IS-2720,USDA,Method Manual of Soil Testing in Ind.	Depth of Sampling	30 cm
		Packing Status	Temp. sealed

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
1	pH (at 25 0C)(1:2.5 soil water sus.)	IS : 2720 (P-26,1987)	7.19	-
2	Conductivity(1:2soil water sus.)	IS:14767,2000	0.27	mS/cm
3	Soil Texture	USDA :1954 Reaffirmed 2010	Sandy Loam	-
4	Colour	USDA :1954 Reaffirmed 2010	Yellowish Brown	-
5	Water holding capacity	USDA :1954 Reaffirmed 2010	41.64	%
6	Bulk density	USDA :1954 Reaffirmed 2010 (Page-121)	1.27	gm/cc
7	Chloride	USDA :1954 Reaffirmed 2010(Page-133)	335.11	mg/kg
8	Exchangable Calcium as Ca	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(16a	122.64	mg/kg
9	Exchangable Sodium as Na	USDA :1954 Reaffirmed 2010(Page-96)	95.34	mg/kg
10	Available Potassium as K	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(14)	282.20	kg /hec
11	Organic Matter	IS:2720 (P-22. 1972) 2001	0.66	%
12	Exchangable Magnesium as Mg	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of Ag.Govt.of Ind.)2011.4.6.3(16b	69.46	mg/kg
13	Nitrogen as N	IS:14684. 1999	209.54	kg /hec.
14	Available P ^{hosphorus}	Method manual of soil Testing in india,(Dept. of Ag.& Co.Ministry of	209.54	kg /hec.

Tested by *Rushad*

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TEST REPORT

Sample Number JME/HT/S/02

Report No.

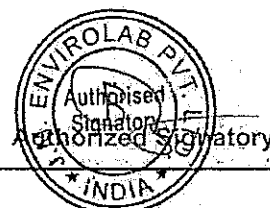
JME/S/150331002

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
14		Ag.Govt.of Ind.)2011,4.6.3(13)		
15	Total Zinc as Zn	JMELPL/STOP/02(37)	30.00	mg/kg
16	Manganese as Mn	JMELPL/STOP/02(37)	220.00	mg/kg
17	Chromium as Cr	JMELPL/STOP/02(37)	2.50	mg/kg
18	Total Lead as Pb	JMELPL/STOP/02(37)	7.50	mg/kg
19	Total Cadmium as Cd	JMELPL/STOP/02(37)	2.50	mg/kg
20	Total Copper as Cu	JMELPL/STOP/02(37)	20.00	mg/kg

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TEST REPORT

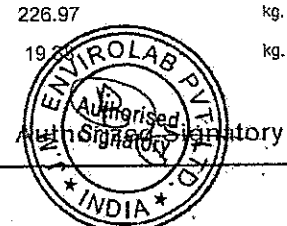
Sample Number	JME/HT/S/03	Report No.	JME/S/150331003
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-05
Sample Description	SOIL	Party Reference No	Nil
Sampling Location	Project Site	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Composite
Longitude	----	Sample Quantity	2.0 kg
Sampling & Analysis Protocol	IS-2720,USDA,Method Manual of Soil Testing in Ind.	Depth of Sampling	30 cm
		Packing Status	Temp. sealed

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
1	pH (at 25 0C)(1:2.5 soil water sus.)	IS : 2720 (P-26,1987)	7.58	-
2	Conductivity(1:2soil water sus.)	IS:14767.2000	0.34	mS/cm
3	Soil Texture	USDA :1954 Reaffirmed 2010	Sandy Loam	-
4	Colour	USDA :1954 Reaffirmed 2010	Yellowish Brown	-
5	Water holding capacity	USDA :1954 Reaffirmed 2010	35.43	%
6	Bulk density	USDA :1954 Reaffirmed 2010 (Page-121)	1.34	gm/cc
7	Chloride	USDA :1954 Reaffirmed 2010(Page-133)	242.83	mg/kg
8	Exchangable Calcium as Ca	Method manual of soil Testing in india,(Dept. of Ag., & Co.Ministry of Ag.Govt.of Ind.)2011,4.6.3(16a	294.35	mg/kg
9	Exchangable Sodium as Na	USDA :1954 Reaffirmed 2010(Page-96)	96.08	mg/kg
10	Available Potassium as K	Method manual of soil Testing in india,(Dept. of Ag., & Co.Ministry of Ag.Govt.of Ind.)2011,4.6.3(14)	277.05	kg /hec.
11	Organic Matter	IS:2720 (P-22, 1972) 2001	0.63	%
12	Exchangable Magnesium as Mg	Method manual of soil Testing in india,(Dept. of Ag., & Co.Ministry of Ag.Govt.of Ind.)2011,4.6.3(16b	64.50	mg/kg
13	Nitrogen as N	IS:14684, 1999	226.97	kg. /hec.
14	Available Phosphorus	Method manual of soil Testing in india,(Dept. of Ag., & Co.Ministry of	19.87	kg. /hec.

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TEST REPORT

Sample Number

JME/HT/S/03

Report No.

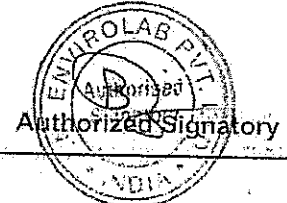
JME/S/150331003

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit
14		Ag.Govt.of Ind.)2011.4.6.3(13)		
15	Total Zinc as Zn	JMELPL/STOP/02(37)	40.00	mg/kg
16	Manganese as Mn	JMELPL/STOP/02(37)	250.00	mg/kg
17	Chromium as Cr	JMELPL/STOP/02(37)	5.00	mg/kg
18	Total Lead as Pb	JMELPL/STOP/02(37)	7.50	mg/kg
19	Total Cadmium as Cd	JMELPL/STOP/02(37)	2.50	mg/kg
20	Total Copper as Cu	JMELPL/STOP/02(37)	25.00	mg/kg

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TEST REPORT

Sample Number	JME/HT/W/01	Report No.	JME/W/150331001
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-01
Sample Description	WATER (Drinking water from RO)	Party Reference No.	Nil
Sampling Location	Project site	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field Asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Grab
Longitude	----	Preservation	Refrigerated
Sampling & Analysis Protocol	IS-10500-2012,APHA 22nd Edition 2012	Sample Quantity	2 Ltr.+200ml
		Parameter Required	As per IS 10500

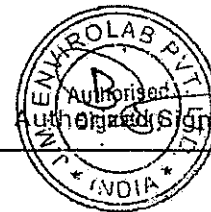
TEST RESULTS

Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
1	pH (at 25 °C)	APHA 22nd Edition, 4500-H+ B	7.62	-	6.5 to 8.5	No Relaxation
2	Colour	APHA 22nd Edition, 2120 B	BDL (DL 5Hazen)	Hazen Unit	5	15
3	Turbidity	APHA 22nd Edition, 2130(B)	1.0	NTU	1	5
4	Odour	APHA 22nd Edition, 2150	Agreeable	-	Agreeable	Agreeable
5	Taste	APHA 22nd Edition, 2160	Agreeable	-	Agreeable	Agreeable
6	Total Hardness as CaCO ₃	APHA 22nd Edition, 2340 C	15.52	mg/l	200	600
7	Calcium as Ca	APHA 22nd Edition, 3500Ca B	1.56	mg/l	75	200
8	Alkalinity as CaCO ₃	APHA 22nd Edition, 2320 B	56.43	mg/l	200	600
9	Chloride as Cl	APHA 22nd Edition, 4500Cl-B	37.45	mg/l	250	1000
10	Residual free Chlorine	APHA 22nd Edition, 3500 Cl- B	BDL(DL 0.20 mg/l)	mg/l	0.2	1.0
11	Cyanide as CN	APHA 22nd Edition, 4500CN-CD	BDL (DL 0.02 mg/l)	mg/l	0.05	No Relaxation

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Page No. 1/3

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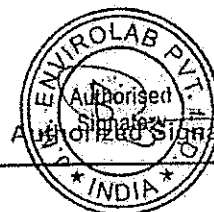
TEST RESULTS

Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
12	Magnesium as Mg	APHA 22nd Edition, 2340 B	1.86	mg/l	30	100
13	Total Dissolved Solids	APHA 22nd Edition, 2540 C	84.00	mg/l	500	2000
14	Sulphate as SO ₄	APHA 22nd Edition, 4500 E	0.45	mg/l	200	400
15	Fluoride as F	APHA 22nd Edition, 4500-F-D	0.17	mg/l	1.0	1.5
16	Nitrate as NO ₃ -N	IS 3025 (P-34) 1988	0.18	mg/l	45	No Relaxation
17	Iron as Fe	APHA 22nd Edition, 3500-Fe B	0.04	mg/l	0.3	No Relaxation
18	Aluminium as Al	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	0.03	0.2
19	Boron	APHA 22nd Edition, 4500B C	BDL (DL 0.20 mg/l)	mg/l	0.50	1.0
20	Phenolic Compounds	APHA 22nd Edition, 5530 C Photometric method 5530D	BDL (DL 0.001 mg/l)	mg/l	0.001	0.002
21	Anionic Detergents as MBAS	APHA 22nd Edition, 5540-C	BDL (DL 0.02 mg/l)	mg/l	0.2	1.0
22	Hexa Chromium as Cr+6	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	--	--
23	Zinc as Zn	APHA 22nd Edition, 3111 B	BDL (DL 0.10 mg/l)	mg/l	5	15
24	Copper as Cu	APHA 22nd Edition, 3111 B	BDL (DL 0.02 mg/l)	mg/l	0.05	1.5
25	Manganese as Mn	APHA 22nd Edition, 3111 B	BDL (DL 0.10 mg/l)	mg/l	0.1	0.3
26	Cadmium as Cd	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.003	No Relaxation
27	Lead as Pb	APHA 22nd Edition, 3111 B	BDL (DL 0.008 mg/l)	mg/l	0.01	No Relaxation
28	Selenium as Se	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.01	No Relaxation
29	Arsenic as As	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.01	0.05
30	Mercury as Hg	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31	Total Coliform	IS 1622,1981 (Reaffirmed 2003)	BDL (DL 2.00	CFU/100 ml	Absent	Absent

Tested by: *[Signature]*

Checked by: *[Signature]*



Page No. 2/3

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TEST REPORT

Sample Number **JME/HTW/01** Report No. **JME/W/150331001**

TEST RESULTS

Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
31			CFU/100 ml)			
32	E-Coli	IS 1622,1981 (Reaffirmed 2003)	ND	CFU/100ml	Absent	Absent

Note: - *BDL-Below Detection Limit, *DL- Detection Limit, *ND- Not Detectable

Tested by *[Signature]*

Checked by *[Signature]*



- Note:**
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J.M. EnviroLab Pvt. Ltd.

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E-mail: jmenvirolab@hotmail.com • Website : www.jmenvirolab.com


TEST REPORT

Sample Number	JME/HT/W/02	Report No.	JMEW/150331002
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Patwal (Haryana)	Format No.	5.10 F-01
Sample Description	WATER (Ground Water from Handpump)	Party Reference No.	Nil
Sampling Location	Village- Janoli	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field Asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Grab
Longitude	----	Preservation	Refrigerated
Sampling & Analysis Protocol	IS-10500-2012, APHA 22nd Edition 2012	Sample Quantity	2 Ltr.+200ml
		Parameter Required	As per IS 10500

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	Limits of IS: 10500-2012	
					Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
1	pH (at 25 °C)	APHA 22nd Edition, 4500-H+ B	8.15	-	6.5 to 8.5	No Relaxation
2	Colour	APHA 22nd Edition, 2120 B	BDL (DL 5Hazen)	Hazen Unit	5	15
3	Turbidity	APHA 22nd Edition, 2130(B)	2.0	NTU	1	5
4	Odour	APHA 22nd Edition, 2150	Agreeable	-	Agreeable	Agreeable
5	Taste	APHA 22nd Edition, 2160	Agreeable	-	Agreeable	Agreeable
6	Total Hardness as CaCO ₃	APHA 22nd Edition, 2340 C	254.92	mg/l	200	600
7	Calcium as Ca	APHA 22nd Edition, 3500Ca B	38.41	mg/l	75	200
8	Alkalinity as CaCO ₃	APHA 22nd Edition, 2320 B	516.08	mg/l	200	600
9	Chloride as Cl	APHA 22nd Edition, 4500Cl-B	407.02	mg/l	250	1000
10	Residual free Chlorine	APHA 22nd Edition, 3500 Cl- B	BDL (DL 0.20 mg/l)	mg/l	0.2	1.0
11	Cyanide as CN	APHA 22nd Edition, 4500CN-CD	BDL (DL 0.02 mg/l)	mg/l	0.05	No Relaxation

Tested by 

Checked by 

Authorized Signatory 

Page No. 1/3

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TEST REPORT

Sample Number JME/HT/W/02 Report No. JME/W/150331002

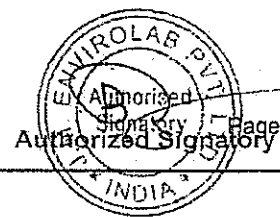
TEST RESULTS

Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
12	Magnesium as Mg	APHA 22nd Edition, 2340 B	38.66	mg/l	30	100
13	Total Dissolved Solids	APHA 22nd Edition, 2540 C	1666.00	mg/l	500	2000
14	Sulphate as SO ₄	APHA 22nd Edition, 4500 E	179.81	mg/l	200	400
15	Fluoride as F	APHA 22nd Edition, 4500-F-D	2.04	mg/l	1.0	1.5
15	Nitrate as NO ₃ -N	IS 3025 (P-34) 1988	1.15	mg/l	45	No Relaxation
17	Iron as Fe	APHA 22nd Edition, 3500-Fe B	0.19	mg/l	0.3	No Relaxation
18	Aluminium as Al	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	0.03	0.2
19	Boron	APHA 22nd Edition, 4500B C	0.29	mg/l	0.50	1.0
20	Phenolic Compounds	APHA 22nd Edition, 5530 C Photometric method 5530D	BDL (DL 0.001 mg/l)	mg/l	0.001	0.002
21	Anionic Detergents as MBAS	APHA 22nd Edition, 5540-C	BDL (DL 0.02 mg/l)	mg/l	0.2	1.0
22	Hexa Chromium as Cr+6	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	--	--
23	Zinc as Zn	APHA 22nd Edition, 3111 B	0.36	mg/l	5	15
24	Copper as Cu	APHA 22nd Edition, 3111 B	BDL (DL 0.02 mg/l)	mg/l	0.05	1.5
25	Manganese as Mn	APHA 22nd Edition, 3111 B	BDL (DL 0.10 mg/l)	mg/l	0.1	0.3
25	Cadmium as Cd	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.003	No Relaxation
27	Lead as Pb	APHA 22nd Edition, 3111 B	BDL (DL 0.008 mg/l)	mg/l	0.01	No Relaxation
28	Selenium as Se	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.01	No Relaxation
29	Arsenic as As	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.01	0.05
30	Mercury as Hg	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31	Total Coliform	IS 1622,1981 (Reaffirmed 2003)	BDL(DL 2.00	CFU/100 ml	Absent	Absent

Tested by *[Signature]*

Checked by *[Signature]*



Page No. 2/3

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- The process will be continued after submission of complete information and payment received.

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TEST REPORT

Sample Number JME/HTW/02 Report No. JME/W/150331002

TEST RESULTS

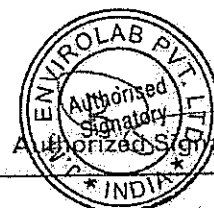
Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
31				CFU/100 ml)		
32	E-Coli	IS 1622,1981 (Reaffirmed 2003)	ND	CFU/100ml	Absent	Absent

Note: - *BDL-Below Detection Limit, *DL- Detection Limit, *ND- Not Detectable

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Page No. 3/3

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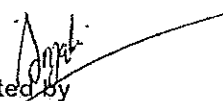
E-mail: jmenvirolab@hotmail.com • Website : www.jmenvirolab.com

TEST REPORT

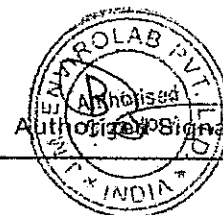
Sample Number	JME/HT/W/03	Report No.	JME/W/150331003
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-01
Sample Description	WATER (Ground Water from Borewell)	Party Reference No	Nil
Sampling Location	Project site	Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Raman (Field Asst.)	Sampling Date	31/03/2015
Latitude	----	Sampling Type	Grab
Longitude	----	Preservation	Refrigerated
Sampling & Analysis Protocol	IS-10500-2012, APHA 22nd Edition 2012	Sample Quantity	2 Ltr.+200ml
		Parameter Required	As per IS 10500

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	Limits of IS: 10500-2012	
					Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
1	pH (at 25 °C)	APHA 22nd Edition, 4500-H+ B	8.280	-	6.5 to 8.5	No Relaxation
2	Colour	APHA 22nd Edition, 2120 B	BDL (DL 5Hazen)	Hazen Unit	5	15
3	Turbidity	APHA 22nd Edition, 2130(B)	2.0	NTU	1	5
4	Odour	APHA 22nd Edition, 2150	Agreeable	-	Agreeable	Agreeable
5	Taste	APHA 22nd Edition, 2160	Agreeable	-	Agreeable	Agreeable
6	Total Hardness as CaCO ₃	APHA 22nd Edition, 2340 C	201.76	mg/l	200	600
7	Calcium as Ca	APHA 22nd Edition, 3500Ca B	23.33	mg/l	75	200
8	Alkalinity as CaCO ₃	APHA 22nd Edition, 2320 B	515.31	mg/l	200	600
9	Chloride as Cl	APHA 22nd Edition, 4500Cl-B	51.25	mg/l	250	1000
10	Residual free Chlorine	APHA 22nd Edition, 3500 Cl- B	BDL (DL 0.20 mg/l)	mg/l	0.2	1.0
11	Cyanide as CN	APHA 22nd Edition, 4500CN-CD	BDL (DL 0.02 mg/l)	mg/l	0.05	No Relaxation

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Page No. 1/3

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TEST REPORT

Sample Number

JME/HT/W/03

Report No.

JME/W/150331003

TEST RESULTS

Limits of IS: 10500-2012

Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
12	Magnesium as Mg	APHA 22nd Edition, 2340 B	34.89	mg/l	30	100
13	Total Dissolved Solids	APHA 22nd Edition, 2540 C	804.00	mg/l	500	2000
14	Sulphate as SO ₄	APHA 22nd Edition, 4500 E	118.85	mg/l	200	400
15	Fluoride as F	APHA 22nd Edition, 4500-F- D	1.19	mg/l	1.0	1.5
16	Nitrate as NO ₃ -N	IS 3025 (P-34) 1988	1.17	mg/l	45	No Relaxation
17	Iron as Fe	APHA 22nd Edition, 3500-Fe B	0.20	mg/l	0.3	No Relaxation
18	Aluminium as Al	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	0.03	0.2
19	Boron	APHA 22nd Edition, 4500B C	0.21	mg/l	0.50	1.0
20	Phenolic Compounds	APHA 22nd Edition, 5530 C Photometric method 5530D	BDL (DL 0.001 mg/l)	mg/l	0.001	0.002
21	Anionic Detergents as MBAS	APHA 22nd Edition, 5540-C	BDL (DL 0.02 mg/l)	mg/l	0.2	1.0
22	Hexa Chromium as Cr+6	APHA 22nd Edition, 3111 B	BDL (DL 0.03 mg/l)	mg/l	--	--
23	Zinc as Zn	APHA 22nd Edition, 3111 B	BDL (DL 0.10 mg/l)	mg/l	5	15
24	Copper as Cu	APHA 22nd Edition, 3111 B	BDL (DL 0.02 mg/l)	mg/l	0.05	1.5
25	Manganese as Mn	APHA 22nd Edition, 3111 B	BDL (DL 0.10 mg/l)	mg/l	0.1	0.3
26	Cadmium as Cd	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.003	No Relaxation
27	Lead as Pb	APHA 22nd Edition, 3111 B	BDL (DL 0.008 mg/l)	mg/l	0.01	No Relaxation
28	Selenium as Se	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.01	No Relaxation
29	Arsenic as As	APHA 22nd Edition, 3111 B	BDL (DL 0.0005 mg/l)	mg/l	0.01	0.05
30	Mercury as Hg	APHA 22nd Edition, 3111 B	BDL (DL 0.001 mg/l)	mg/l	0.001	No Relaxation
31	Total Coliform	IS 1622, 1981 (Reaffirmed 2003)	BDL (DL 2.00)	CFU/100 ml	Absent	Absent

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Authorized Signatory

Page No. 2/3

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TEST REPORT

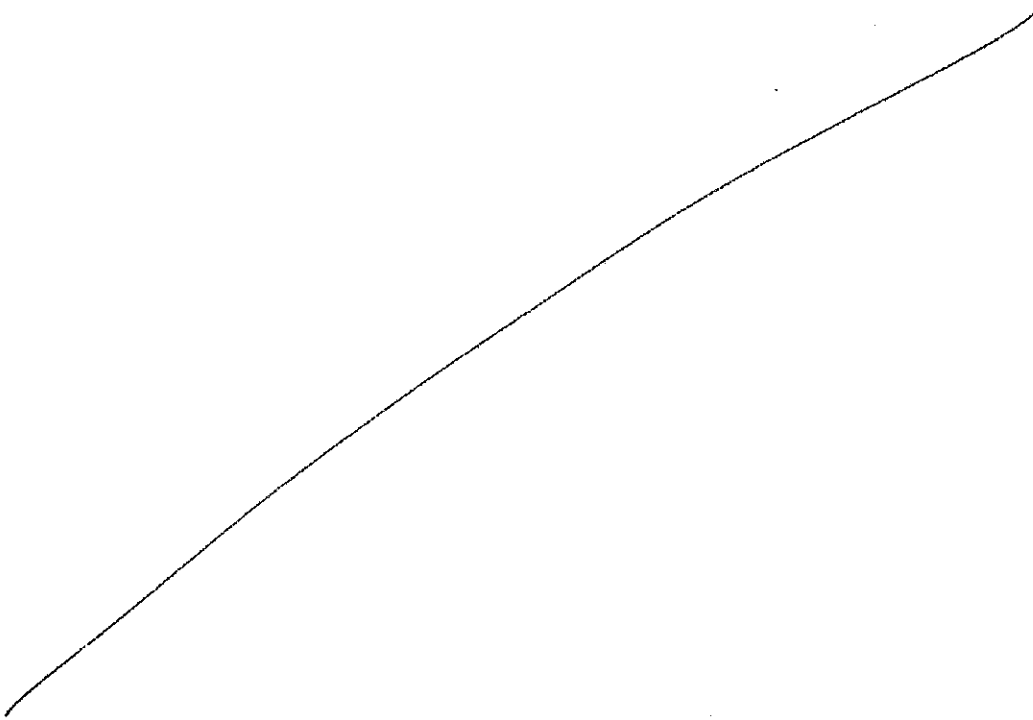
Sample Number **JME/HTW/03** Report No. **JMEW/150331003**

TEST RESULTS

Limits of IS: 10500-2012

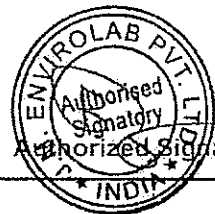
Sl. No.	Parameters	Testing Protocol	Result	Unit	Desirable Limit (Max)	Permissible Limit in the Absence of Alternate Source (Max)
31				CFU/100 ml)		
32	E-Coli	IS 1622,1981 (Reaffirmed 2003)	ND	CFU/100ml	Absent	Absent

Note: - *BDL-Below Detection Limit; *DL- Detection Limit, *ND- Not Detectable



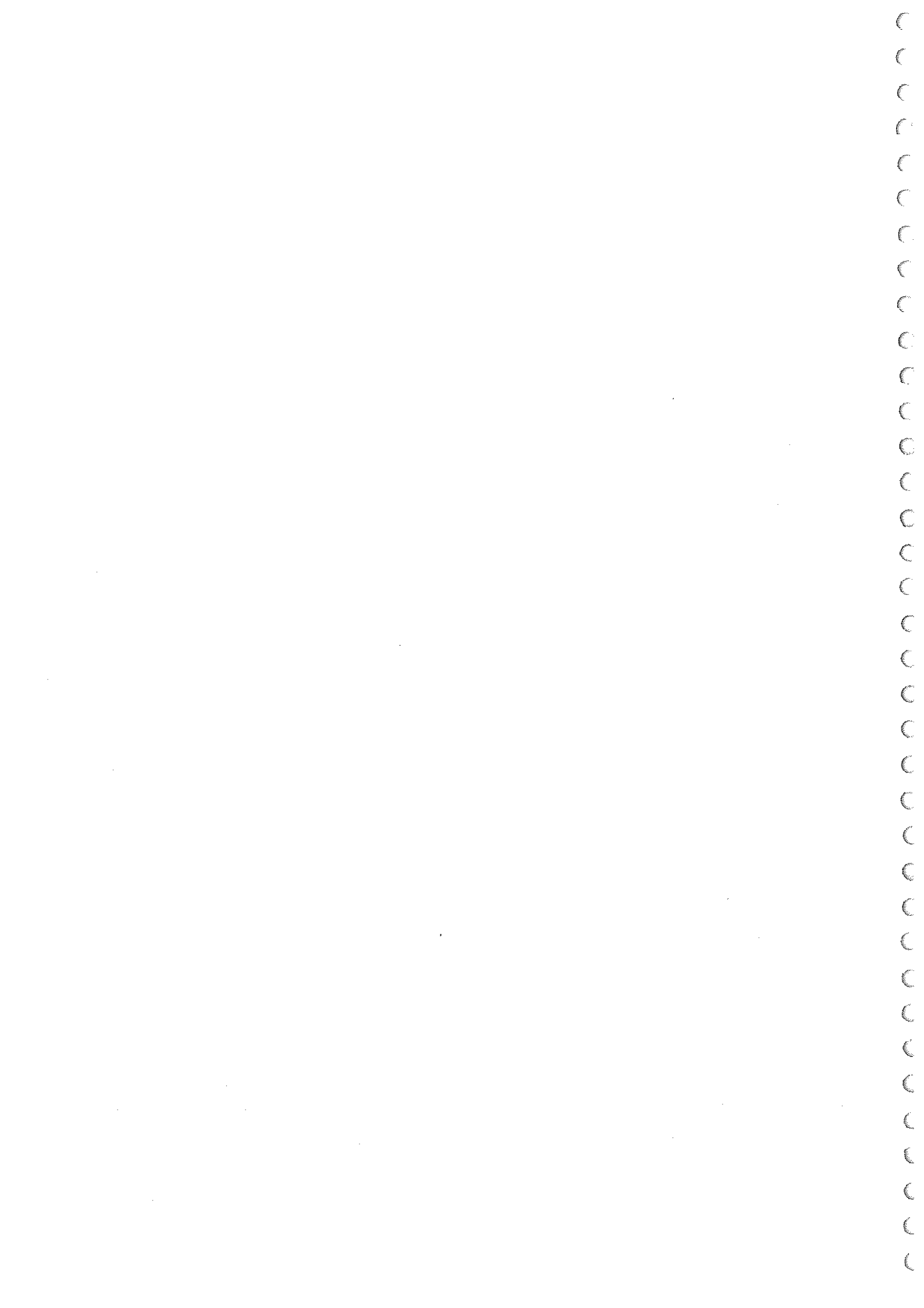
Tested by *[Signature]*

Checked by *[Signature]*



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TEST REPORT

Sample Number	JME/HT/A/01	Report No.	JME/A/150331001
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-02

Sample Description	AMBIENT AIR QUALITY MONITORING	Party Reference No	Nil
		Reporting Date	04/04/2015
		Receipt Date	31/03/2015

General Information

Client Representative (Name & Designation)	Mr. Ashish Singhal
Sample collected by (Name & Designation)	Mr. Sageer Ahmad (Asstt. Manager)
Sampling Location	Project site (Nr. Site office)
Latitude	28°12'03.5"N
Longitude	077°19'59.5"E
Instrument used	RDS & FPS
Instrument code	JME/RDS/01/07 & JMc/FPS/01/05
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear sky
Date of Monitoring	30/03/2015 To 30/03/2015
Time of Monitoring	12:40 to 20:40 Hrs.
Actual duration of Monitoring, (minutes)	360.0
Ambient Temperature (°C)	Max. 34.0; Min. 22.0
Surrounding activity	Human and Vehicular Activities
Scope of Monitoring	Regulatory requirement
Control measure if,Any	No
Sampling & Analysis Protocol	IS-5182
Parameter Required	PM2.5, PM10, NO2, SO2, CO

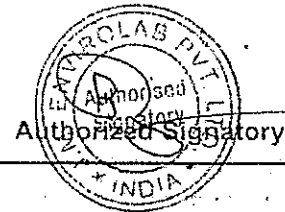
TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	PM2.5 sampler (Gravimetric)	41.86	µg/m3	60
2	Particulate Matter (PM10)	IS: 5182 (P-23), 2006	86.98	µg/m3	100
3	Nitrogen Dioxides (NO2)	IS: 5182 (P-6), 1975 Reffirmed-1998	24.39	µg/m3	80
4	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001	10.87	µg/m3	80
5	Carbon Monoxide (CO)	IS: 5182 (P-10), 1999	BDL(DL-0.50)	mg/m3	4

*NAAQS-National Ambient Air Quality Standards; Schedule-VII.[Rule 3 (3B)] [Part-II sec.-3(i)] 16.11.2009

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TEST REPORT

Sample Number	JME/HT/A/02	Report No	JME/A/150331002
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-02

Sample Description	AMBIENT AIR QUALITY MONITORING	Party Reference No.	Nil
		Reporting Date	04/04/2015
		Receipt Date	31/03/2015

General Information	
Client Representative (Name & Designation)	Mr. Ashish Singhal
Sample collected by (Name & Designation)	Mr. Sagor Ahmad (Asstt. Manager)
Sampling Location	Upwind Direction (Nr. Logistic Tower)
Latitude	----
Longitude	----
Instrument used	RDS & FPS
Instrument code	JME/RDS/01/07 & JMe/FPS/01/05
Instrument calibration status	Calibrated
Meteorological condition during monitoring	Clear sky
Date of Monitoring	30/03/2015 To 31/03/2015
Time of Monitoring	21:00 to 05:00 Hrs.
Actual duration of Monitoring, (minutes)	365.0
Ambient Temperature (°C)	Max. 22.0; Min. 19.0
Surrounding activity	Human and Vehicular Activities
Scope of Monitoring	Regulatory requirement
Control measure if Any	No
Sampling & Analysis Protocol	IS-5182
Parameter Required	PM2.5, PM10, NO2, SO2, CO

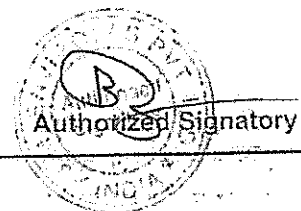
TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	PM2.5 sampler (Gravimetric)	37.50	µg/m ³	60
2	Particulate Matter (PM10)	IS: 5182 (P-23), 2006	83.78	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS: 5182 (P-6), 1975 Reaffirmed-1998	25.41	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001	10.87	µg/m ³	80
5	Carbon Monoxide (CO)	IS: 5182 (P-10), 1999	BDL(DL-0.50)	mg/m ³	4

*NAAQS-National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)] [Part-II sec-3(i)] 16.11.2009

Tested by *Dinesh*

Checked by *[Signature]*



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J.M. Envirolab Pvt. Ltd.

INTERNATIONAL ENVIRONMENTAL RESEARCH AND DEVELOPMENT CENTRE

Approved Environmental & Food Testing Laboratory

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SCO-16, Sector-10A, Gurgaon-122 001 (Haryana) INDIA • TEL.: +91-124-4873400 • FAX: +91-124-4141029

E-mail: jmenvirolab@hotmail.com • Website : www.jmenvirolab.com

TEST REPORT

Sample Number	JME/HT/A/03	Report No.	JME/A/150331003
Name & Address of Unit	M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)	Format No.	5.10 F-02

Sample Description	AMBIENT AIR QUALITY MONITORING	Party Reference No.	Nil
General Information		Reporting Date	04/04/2015
Client Representative (Name & Designation)	Mr. Ashish Singhal	Receipt Date	31/03/2015
Sample collected by (Name & Designation)	Mr. Sageer Ahmad (Asstt. Manager)		
Sampling Location	Down Wind Direction (Nr. Main Gate)		
Latitude	----		
Longitude	----		
Instrument used	RDS & FPS		
Instrument code	JME/RDS/01/07 & JMc/FPS/01/05		
Instrument calibration status	Calibrated		
Meteorological condition during monitoring	Clear sky		
Date of Monitoring	31/03/2015 To 31/03/2015		
Time of Monitoring	06:30 to 14:30 Hrs.		
Actual duration of Monitoring, (minutes)	420.0		
Ambient Temperature (°C)	Max. 34.0; Min. 28.0		
Surrounding activity	Human and Vehicular Activities		
Scope of Monitoring	Regulatory requirement		
Control measure if Any	No		
Sampling & Analysis Protocol	IS-5182		
Parameter Required	PM2.5, PM10, NO2, SO2, CO		

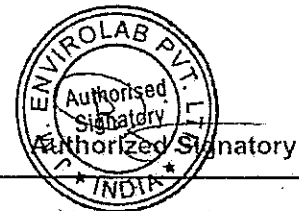
TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	PM2.5 sampler (Gravimetric)	41.60	µg/m ³	60
2	Particulate Matter (PM10)	IS: 5182 (P-23), 2006	91.33	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS: 5182 (P-6), 1975 Reaffirmed-1998	31.22	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001	10.49	µg/m ³	80
5	Carbon Monoxide (CO)	IS: 5182 (P-10), 1999	BDL(DL-0.50)	mg/m ³	4

*NAAQS-National Ambient Air Quality Standards: Schedule-VII,[Rule 3 (3B)] [Part-II sec.-3(i)] 16.11.2009

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TEST REPORT

Sample Number JME/HT/A/04 Report No. JME/A/150331004
 Name & Address of Unit M/s.Hind Terminals Pvt. Ltd. Format No. 5.10 F-02
 Village-Janoli & Baghola
 Palwal (Haryana)

Sample Description AMBIENT AIR QUALITY MONITORING Party Reference No. Nil
 Reporting Date 04/04/2015
 Receipt Date 31/03/2015

General Information
 Client Representative (Name & Designation) Mr. Ashish Singhal
 Sample collected by (Name & Designation) Mr. Sageer Ahmad (Asstt. Manager)
 Sampling Location Village- Janoli
 Latitude ----
 Longitude ----
 Instrument used RDS & FPS
 Instrument code JME/RDS/01/07 & JME/FPS/01/05
 Instrument calibration status Calibrated
 Meteorological condition during monitoring Clear sky
 Date of Monitoring 31/03/2015 To 31/03/2015
 Time of Monitoring 15:00 to 23:00 Hrs.
 Actual duration of Monitoring, (minutes) 352.0
 Ambient Temperature (°C) Max. 34.0; Min. 22.0
 Surrounding activity Human and Vehicular Activities
 Scope of Monitoring Regulatory requirement
 Control measure if Any No
 Sampling & Analysis Protocol IS-5182
 Parameter Required PM2.5, PM10, NO2, SO2, CO

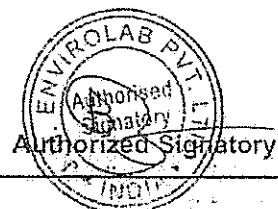
TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Result	Unit	NAAQS
1	Particulate Matter (PM2.5)	PM2.5 sampler (Gravimetric)	40.32	µg/m ³	60
2	Particulate Matter (PM10)	IS: 5182 (P-23), 2006	84.63	µg/m ³	100
3	Nitrogen Dioxides (NO2)	IS: 5182 (P-6), 1975 Reffirmed-1998	24.39	µg/m ³	80
4	Sulphur Dioxide (SO2)	IS: 5182 (P-2), 2001	10.25	µg/m ³	80
5	Carbon Monoxide (CO)	IS: 5182 (P-10), 1999	BDL(DL-0.50)	mg/m ³	4

*NAAQS-National Ambient Air Quality Standards: Schedule-VII.[Rule 3 (3B)] [Part-II sec.-3(i)] 16.11.2009

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TEST REPORT

Sample Number JME/HT/AN/01 Report No. JME/AN/150331001
 Name & Address of Unit M/s.Hind Terminals Pvt. Ltd. Format No. 5.10 F-04
 Villago-Janoli & Baghola
 Palwal (Haryana)

Sample Description AMBIENT NOISE LEVEL MONITORING Party Reference No. Nil
 Reporting Date 04/04/2015
 Receipt Date 31/03/2015

General Information

Client Representative (Name & Designation) Mr. Ashish Singhal
 Sample collected by (Name & Designation) Mr. Sageer Ahmad (Asst. Manager))
 Sampling Location Near Construction area
 Latitude -----
 Longitude -----
 Date of Monitoring 30/03/2015 To 31/03/2015
 Time of Monitoring 06:00 to 06:00AM
 Instrument used Sound level meter
 Instrument code JME/SLM/01/08
 Instrument calibration status Calibrated

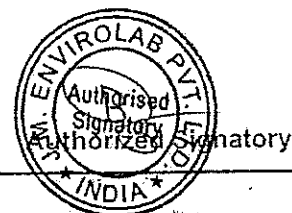
Meteorological condition during monitoring Clear sky
 Ambient Temperature (°C) Max.34.0; Min.22.0
 Surrounding activity Human and Vehicular & Construction activities
 Scope of Monitoring Regulatory requirement
 Control measure if Any No
 Sampling & Analysis Protocol CPCB GuideLines & IS-9989
 Sampling Duration 24 hours
 Parameter Required Lmax, Lmin, Leq

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Test Result dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1	Lmax	CPCB GuideLines / IS-9989	76.00	54.20	dB(A)
2	Lmin	CPCB GuideLines / IS-9989	46.10	40.30	dB(A)
3	Leq	CPCB GuideLines / IS-9989	58.10	47.30	dB(A)
4	CPCB Limits in dB(A) Leq (Industrial area)	--	75.00	70.00	dB(A)

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TEST REPORT

Sample Number: JME/HT/AN/02 Report No.: JME/AN/150331002
 Name & Address of Unit: M/s.Hind Terminals Pvt. Ltd. Format No.: 5.10 F-04
 Village-Janoli & Baghola
 Palwal (Haryana)

Sample Description: AMBIENT NOISE LEVEL MONITORING Party Reference No.: Nil
 Reporting Date: 04/04/2015
 Receipt Date: 31/03/2015

General Information

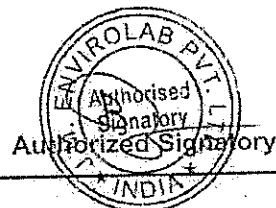
Client Representative (Name & Designation): Mr. Ashish Singhal
 Sample collected by (Name & Designation): Mr. Sageer Ahmad (Asst. Manager)
 Sampling Location: Residential Area (Colony)
 Latitude: ----
 Longitude: ----
 Date of Monitoring: 30/03/2015 To 31/03/2015
 Time of Monitoring: 06:00 to 06:00AM
 Instrument used: Sound level meter
 Instrument code: JME/SLM/01/07
 Instrument calibration status: Calibrated
 Meteorological condition during monitoring: Clear sky
 Ambient Temperature (°C): Max.34.0; Min.22.0
 Surrounding activity: Human and Vehicular activities
 Scope of Monitoring: Regulatory requirement
 Control measure if Any: No
 Sampling & Analysis Protocol: CPCB GuideLines & IS-9989
 Sampling Duration: 24 hours
 Parameter Required: Lmax, Lmin, Leq

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Test Result dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1	Lmax	CPCB GuideLines / IS-9989	67.30	49.30	dB(A)
2	Lmin	CPCB GuideLines / IS-9989	42.30	38.30	dB(A)
3	Leq	CPCB GuideLines / IS-9989	53.40	43.40	dB(A)
4	CPCB Limits in dB(A) Leq (Residential area)	--	55.00	45.00	dB(A)

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TEST REPORT

Sample Number: JME/HT/AN/03
 Name & Address of Unit: M/s.Hind Terminals Pvt. Ltd. Village-Janoli & Baghola Palwal (Haryana)

Report No. JME/AN/150331003
 Format No. 5.10 F-04

Sample Description: AMBIENT NOISE LEVEL MONITORING
 Party Reference No. Nil
 Reporting Date: 04/04/2015
 Receipt Date: 31/03/2015

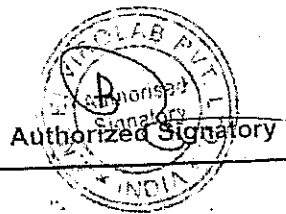
General Information
 Client Representative (Name & Designation): Mr. Ashish Singhal
 Sample collected by (Name & Designation): Mr. Sageor Ahmad (Asst. Manager)
 Sampling Location: Project Site
 Latitude: ----
 Longitude: ----
 Date of Monitoring: 30/03/2015 To 31/03/2015
 Time of Monitoring: 06:00 to 06:00AM
 Instrument used: Sound level meter
 Instrument code: JME/SLM/01/06
 Instrument calibration status: Calibrated
 Meteorological condition during monitoring: Clear sky
 Ambient Temperature (°C): Max.34.0; Min.22.0
 Surrounding activity: Human & Vehicular activities
 Scope of Monitoring: Regulatory requirement
 Control measure if Any: No
 Sampling & Analysis Protocol: CPCB GuideLines & IS-9989
 Sampling Duration: 24 hours
 Parameter Required: Lmax, Lmin, Leq

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Test Result dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1	Lmax	CPCB GuideLines / IS-9989	79.20	53.90	dB(A)
2	Lmin	CPCB GuideLines / IS-9989	46.00	38.40	dB(A)
3	Leq	CPCB GuideLines / IS-9989	55.50	45.78	dB(A)
4	CPCB Limits in dB(A) Leq (Industrial area)		75.00	70.00	dB(A)

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TEST REPORT

Sample Number JME/HT/AN/04 Report No. JME/AN/150331004
 Name & Address of Unit M/s.Hind Terminals Pvt. Ltd. Format No. 5.10 F-04
 Village-Janoli & Baghola
 Palwal (Haryana)

Sample Description AMBIENT NOISE LEVEL MONITORING Party Reference No Nil
 Reporting Date 04/04/2015
 Receipt Date 31/03/2015

General Information

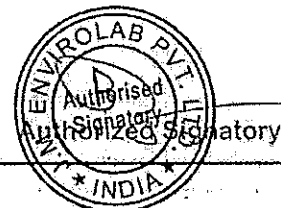
Client Representative (Name & Designation) Mr. Ashish Singhal
 Sample collected by (Name & Designation) Mr. Sageor Ahmad (Asst. Manager)
 Sampling Location Village- Janoli
 Latitude ----
 Longitude ----
 Date of Monitoring 30/03/2015 To 31/03/2015
 Time of Monitoring 06:00 to 06:00AM
 Instrument used Sound level meter
 Instrument code JME/SLM/01/05
 Instrument calibration status Calibrated
 Meteorological condition during monitoring Clear sky
 Ambient Temperature (°C) Max.34.0; Min.22.0
 Surrounding activity Human & Vehicular activities
 Scope of Monitoring Regulatory requirement
 Control measure if Any No
 Sampling & Analysis Protocol CPCB Guidelines & IS-9989
 Sampling Duration 24 hours
 Parameter Required Lmax, Lmin, Leq

TEST RESULTS

Sl. No.	Parameters	Testing Protocol	Test Result dB (A)		Unit
			Day Time (06:00 AM to 10:00 PM)	Night Time (10:00 PM to 06:00 AM)	
1	Lmax	CPCB Guidelines / IS-9989	69.20	49.20	dB(A)
2	Lmin	CPCB Guidelines / IS-9989	38.40	38.20	dB(A)
3	Leq	CPCB Guidelines / IS-9989	54.00	41.86	dB(A)
4	CPCB Limits in dB(A) Leq (Residential area)	--	55.00	45.00	dB(A)

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