



ENVIRO-TECH SERVICES

An Environmental Analytical Laboratory

Environmental Monitoring, Testing and Services

(An ISO 9001:2015, 14001:2015 and OHSAS 18001:2007 Certified Company)

Recognised by MoEF (Govt. of India), Accredited by ISO/IEC-17025:2005 (NABL) & UPPCB

G-232, M.G. Road Industrial Area, Hapur-Ghaziabad. (U.P.)-201015

email : etslab2012@gmail.com | Website : www.etslab.asia | Ph.: 9811736063, 9911516076



JAS-ANZ



ISO 9001/14001/OHSAS 18001
Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-143/11/2017

DATE OF REPORT : 17-11-2017

WATER SAMPLE ANALYSIS REPORT

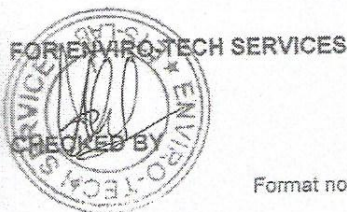
Name And Address Of Customer : M/s N.S. CORPORATION
 JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY ROAD,
 HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date of Sampling : 11-11-2017
 Analysis Start Date : 13-11-2017
 Analysis End Date : 17-11-2017
 Sampling ID No. : 143/11
 Sampling Done By : ETS LAB
 Sampling Description : GROUND WATER
 Sampling Location : VILLAGE- JHARKOT
 Sampling Method : ETS/STP/WATER-02
 Sampling Quantity : TWO Lt
 Packing Condition : Sealed
 Packed In : PVC CANE

S.No.	Parameter	Unit	Result	Drinking Water Standards / Limit (IS :10500-2012)		Test Method
				Desirable Limit	Permissible Limit	
1	Colour	Hazen	< 5	5 max	15 max	APHA-2120 (C)
2	pH	--	7.23	6.5-8.5	No Relaxation	APHA-4500(H+B)/IS:3025 (P-11)-1983
3	Total Hardness	mg/L	212	200 max.	600 max.	APHA-2340 (C)/IS:3025(P-21)-1983, REAFF. 2009
4	Iron (Fe)	mg/L	0.20	0.3 max.	No Relaxation	APHA-3111 (B)
5	Chloride (Cl)	mg/L	31.5	250 max.	1000 max.	APHA-4500 (B)/IS:3025(P-32)-1988
6	Residual, Free Chlorine	mg/L	ABSENT	0.2 min.	1.0 min.	APHA-4500 (B)
7	Total Dissolved Solids (TDS)	mg/L	274.3	500 max.	2000 max.	APHA-2540 (C)
8	Calcium (Ca)	mg/L	15.2	75 max.	200 max.	APHA-3500 (B)/IS:3025(P-40)-1991, REAFF. 2003
9	Magnesium (Mg)	mg/L	5.3	30 max.	100 max.	APHA-3500- Mg (B)/IS:3025(P-45)-1994, REAFF. 2003
10	Sulphate (SO ₄)	mg/L	14.5	200 max.	400 max.	APHA-4500 (C)/IS:3025(P-24)-1986, REAFF. 2009
11	Nitrate (NO ₃)	mg/L	1.20	45 max.	No Relaxation	APHA-4500 (NO3)/IS:3025(P-34)-1988
12	Fluoride (F)	mg/L	0.32	1.0 max.	1.5 max.	APHA-4500 (D)
13	Chromium (Cr+6)	mg/L	ABSENT	0.05 max.	No Relaxation	APHA-3500 Cr-B
14	Total Alkalinity	mg/L	145.3	200 max.	600 max.	APHA-2320 (B)/IS:3025(P-23)-1986, REAFF. 2009
15	Oil & Grease	mg/L	ABSENT	0.5	No Relaxation	APHA-5520

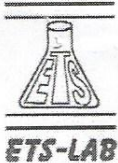
**** End Of Report****

For Enviro-Tech Services



MA: Humraj
AUTHORITY MANAGER

Note:-



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ISO 9001/14001/OHSAS 18001
Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-142/11/2017

DATE OF REPORT : 17-11-2017

WATER SAMPLE ANALYSIS REPORT

Name And Address Of Customer : M/s N.S. CORPORATION
JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY ROAD,
HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date of Sampling : 11-11-2017
Analysis Start Date : 13-11-2017
Analysis End Date : 17-11-2017
Sampling ID No. : 142/11
Sampling Done By : ETS LAB
Sampling Description : GROUND WATER
Sampling Location : VILLAGE- GURGUCHHA
Sampling Method : ETS/STP/WATER-02
Sampling Quantity : TWO Lt
Packing Condition : Sealed
Packed In : PVC CANE

S.No.	Parameter	Unit	Result	Drinking Water Standards / Limit (IS :10500-2012)		Test Method
				Desirable Limit	Permissible Limit	
1	Colour	Hazen	< 5	5 max	15 max	APHA-2120 (C)
2	pH	--	7.12	6.5-8.5	No Relaxation	APHA-4500(H+B)/IS.3025 (P-11)-1983
3	Total Hardness	mg/L	198.0	200 max.	600 max.	APHA-2340 (C)/IS.3025(P-21)-1983, REAFF. 2009
4	Iron (Fe)	mg/L	0.24	0.3 max.	No Relaxation	APHA-3111 (B)
5	Chloride (Cl)	mg/L	25.1	250 max.	1000 max.	APHA-4500 (B)/IS.3025(P-32)-1988
6	Residual, Free Chlorine	mg/L	ABSENT	0.2 min.	1.0 min.	APHA-4500 (B)
7	Total Dissolved Solids (TDS)	mg/L	268.4	500 max.	2000 max.	APHA-2540 (C)
8	Calcium (Ca)	mg/L	16.5	75 max.	200 max.	APHA-3500 (B)/IS.3025(P-40)-1991, REAFF. 2003
9	Magnesium (Mg)	mg/L	6.4	30 max.	100 max.	APHA-3500- Mg (B)/IS.3025(P-45)-1994, REAFF. 2003
10	Sulphate (SO ₄)	mg/L	11.6	200 max.	400 max.	APHA-4500 (C)/IS.3025(P-24)-1988, REAFF. 2009
11	Nitrate (NO ₃)	mg/L	1.32	45 max.	No Relaxation	APHA-4500 (NO3)/IS.3025(P-34)-1988
12	Fluoride (F)	mg/L	0.36	1.0 max.	1.5 max.	APHA-4500 (D)
13	Chromium (Cr+6)	mg/L	ABSENT	0.05 max.	No Relaxation	APHA-3500 Cr-B
14	Total Alkalinity	mg/L	96.4	200 max.	600 max.	APHA-2320 (B)/IS.3025(P-23)-1985, REAFF. 2009
15	Oil & Grease	mg/L	ABSENT	0.5	No Relaxation	APHA-5520

**** End Of Report****



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AUTHORIZED SIGNATORY
Dy. Quality manager

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TEST REPORT

TEST REPORT NO : ETS/HAL-141/11/2017

DATE OF REPORT : 17-11-2017

WATER SAMPLE ANALYSIS REPORT

Name And Address Of Customer : M/s N.S. CORPORATION
JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY ROAD,
HALDWANI, NAINITAL, UTTARA KHAND, INDIA -263139

Date of Sampling : 11-11-2017
Analysis Start Date : 13-11-2017
Analysis End Date : 17-11-2017
Sampling ID No. : 141/11
Sampling Done By : ETS LAB
Sampling Description : GROUND WATER
Sampling Location : VILLAGE- CHATTIKHET
Sampling Method : ETS/STP/WATER-02
Sampling Quantity : TWO Lt
Packing Condition : Sealed
Packed In : PVC CANE

S.No.	Parameter	Unit	Result	Drinking Water Standards / Limit (IS :10500-2012)		Test Method
				Desirable Limit	Permissible Limit	
1	Colour	Hazen	< 5	5 max	15 max	APHA-2120 (C)
2	pH	--	7.13	6.5-8.5	No Relaxation	APHA-4500(H+B)/IS:3025 (P-11)-1983
3	Total Hardness	mg/L	59.4	200 max.	600 max.	APHA-2340 (C)/IS:3025(P-21)-1983, REAFF.:2009
4	Iron (Fe)	mg/L	0.21	0.3 max.	No Relaxation	APHA-3111 (B)
5	Chloride (Cl)	mg/L	16.7	250 max.	1000 max.	APHA-4500 (B)/IS:3025(P-32)-1988
6	Residual, Free Chlorine	mg/L	ABSENT	0.2 min.	1.0 min.	APHA-4500 (B)
7	Total Dissolved Solids (TDS)	mg/L	256.4	500 max.	2000 max.	APHA-2540 (C)
8	Calcium (Ca)	mg/L	16.2	75 max.	200 max.	APHA-3500 (B)/IS:3025(P-40)-1991, REAFF.:2003
9	Magnesium (Mg)	mg/L	5.1	30 max.	100 max.	APHA-3500- Mg (B)/IS:3025(P-46)-1994, REAFF.:2003
10	Sulphate (SO ₄)	mg/L	14.3	200 max.	400 max.	APHA-4500 (C)/IS:3025(P-24)-1986, REAFF.:2009
11	Nitrate (NO ₃)	mg/L	1.16	45 max.	No Relaxation	APHA-4500 (NO ₃)/IS:3025(P-34)-1988
12	Fluoride (F)	mg/L	0.34	1.0 max.	1.5 max.	APHA-4500 (D)
13	Chromium (Cr+6)	mg/L	ABSENT	0.05 max.	No Relaxation	APHA-3500 Cr-B
14	Total Alkalinity	mg/L	126	200 max.	600 max.	APHA-2320 (B)/IS:3025(P-23)-1986, REAFF.:2009
15	Oil & Grease	mg/L	ABSENT	0.5	No Relaxation	APHA-5520

**** End Of Report****

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Page 1 Of 1

CHECKED BY

Md. Humraj
AUTHORIZED SIGNATORY
By: Quality manager

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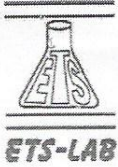
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TEST REPORT

TEST REPORT NO : ETS/HAL-131A/11/2017

DATE OF REPORT : 17-11-2017

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address Of Customer

: M/s N.S. CORPORATION

JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT,
BAREILLY ROAD, HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date Of Sampling

: 11-11-2017

Analysis Start Date

: 13-11-2017

Analysis End Date

: 17-11-2017

Duration Of Sampling

: 11-11-2017 To 11-11-2017 8 HRS

Sample ID No

: 131/11

Sampling Done By

: ETS LAB

Sampling Location

: NEAR JHARKOT VILLAGE AREA

Sampling Method

: ETS/STP/AIR-01

Sampling Machine Placed At Height

: 2.0 mtr (From Ground)

Weather Condition

: clear

Ambient Temperature : 11°C

S.No.	Parameter	Unit	Result	Specification/ Limit (As Per CPCB)	Test Method
1	Particulate Matters (Size Less Than 10µm) (PM ₁₀)	µg/m ³	39.7	For 24 Hrs=100	IS:5182 (Part 23)
2	Sulphur Dioxide (SO ₂)	µg/m ³	5.39	For 24 hrs= 80	IS:5182 (Part 2)
3	Nitrogen Dioxide (NO ₂)	µg/m ³	6.78	For 24 Hrs=80	IS:5182 (Part 6)
4	Relative Humidity	%	70	Not Specified	Hygrometer
5	Wind Speed	Km/Hr	6	Not Specified	Anemometer

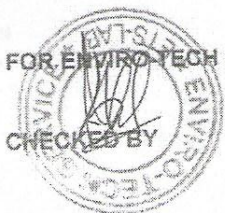
Remarks: WIND DIRECTION - E-W

**** End Of Report****

FOR ENVIRO-TECH SERVICES

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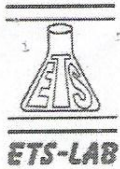
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AUTHORIZED SIGNATORY
Dy. Quality manager

Format no ETS/LAB/TR-01 Issue No 04 dt 01/06/2016 Rev No 03 dt 01/06/2016

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Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-130A/11/2017

DATE OF REPORT : 17-11-2017

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address Of Customer

: M/s N.S. CORPORATION

JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT,
BAREILLY ROAD, HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date Of Sampling

: 11-11-2017

Analysis Start Date

: 13-11-2017

Analysis End Date

: 17-11-2017

Duration Of Sampling

: 11-11-2017 To 11-11-2017 8 HRS

Sample ID No

: 130/11

Sampling Done By

: ETS LAB

Sampling Location

: NEAR GURGUCHHA VILLAGE AREA

Sampling Method

: ETS/STP/AIR-01

Sampling Machine Placed At Height

: 2.0 mtr (From Ground)

Weather Condition

: clear

Ambient Temperature : 11°C

S.No.	Parameter	Unit	Result	Specification/ Limit (As Per CPCB)	Test Method
1	Particulate Matters (Size Less Than 10µm) (PM ₁₀)	µg/m ³	45.3	For 24 Hrs=100	IS:5182 (Part 23)
2	Sulphur Dioxide (SO ₂)	µg/m ³	7.23	For 24 hrs= 80	IS:5182 (Part 2)
3	Nitrogen Dioxide (NO ₂)	µg/m ³	8.69	For 24 Hrs=80	IS:5182 (Part 6)
4	Relative Humidity	%	70	Not Specified	Hygrometer
5	Wind Speed	Km/Hr	6	Not Specified	Anomometer

Remarks: WIND DIRECTION - E,-W

**** End Of Report****



FOR ENVIRO-TECH SERVICES

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Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-129A/11/2017

DATE OF REPORT : 17-11-2017

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address Of Customer

: M/s N.S. CORPORATION

JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT,
BAREILLY ROAD, HALDWANI, NAINITAL, UTTARA KHAND, INDIA -263139

Date Of Sampling

: 11-11-2017

Analysis Start Date

: 13-11-2017

Analysis End Date

: 17-11-2017

Duration Of Sampling

: 11-11-2017 To 11-11-2017 8 HRS

Sample ID No

: 129/11

Sampling Done By

: ETS LAB

Sampling Location

: NEAR CHATRIKHET VILLAGE AREA

Sampling Method

: ETS/STP/AIR-01

Sampling Machine Placed At Height

: 2.0 mtr (From Ground)

Weather Condition

: clear

Ambient Temperature : 11°C

S.No.	Parameter	Unit	Result	Specification/ Limit (As Per CPCB)	Test Method
1	Particulate Matters (Size Less Than 10µm) (PM ₁₀)	µg/m ³	42.9	For 24 Hrs=100	IS:5182 (Part 23)
2	Sulphur Dioxide (SO ₂)	µg/m ³	6.41	For 24 hrs= 80	IS:5182 (Part 2)
3	Nitrogen Dioxide (NO ₂)	µg/m ³	6.15	For 24 Hrs=80	IS:5182 (Part 6)
4	Relative Humidity	%	70	Not Specified	Hygrometer
5	Wind Speed	Km/Hr	5	Not Specified	Anomometer

Remarks: WIND DIRECTION - E,-W

**** End Of Report****



FOR ENVIRO-TECH SERVICES

Page 1 Of 1

For Enviro-Tech Services

Md. Humraj
AUTHORIZED SIGNATURE
Dy. Quality Manager

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Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-137/11/2017

DATE OF REPORT : 17-11-2017

NOISE MONITORING REPORT

Name And Address Of Customer : M/s N.S. CORPORATION
 JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY
 ROAD, HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date of Monitoring : 10-11-2017
 Monitoring Start Date : 10-11-2017
 Monitoring End Date : 11-11-2017
 Monitoring Done By : ETS LAB
 Monitoring Duration : 24 HRS
 Place Of Monitoring : NEAR JHARKOT VILLAGE AREA
 Category Of Area : INDUSTRIAL AREA
 Sampling Method : ETS/STP/NOISE-01

Observation No.	1	2	3	4	5	6	7	8
Reading dB(A)	41.30	40.60	38.70	39.40	42.10	43.50	40.20	41.90
	9	10	11	12	13	14	15	16
	38.70	37.60	39.40	42.10	43.80	40.30	42.70	39.40
	17	18	19	20	21	22	23	24
	34.50	31.60	32.80	33.80	34.20	31.80	32.40	33.10

S.No.	Description Noise Level dB(A)	Result		Ambient Noise Standards/ Specification (CPCB/Factories Act) Leq dB(A)	
		Day Time	Night Time	Day Time	Night Time
		1	Average	40.73	33.03
2	Maximum	43.80	34.50		
3	Minimum	37.60	31.60		
4	Leq dB(A)	40.93	33.23	75/90	70.00

Remark : Day time is reckoned in between 06:00 A.M. and 10:00 P.M.
 Night time is reckoned in between 10:00 P.M. and 06:00 A.M.

**** End Of Report****



For Enviro-Tech Services

AUTHORIZED SIGNATORY
Dy. Quality manager

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Acc. No.- M31112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-136/11/2017

DATE OF REPORT : 17-11-2017

NOISE MONITORING REPORT

Name And Address Of Customer

: M/e N.S. CORPORATION

JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY
ROAD, HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date of Monitoring

: 10-11-2017

Monitoring Start Date

: 10-11-2017

Monitoring End Date

: 11-11-2017

Monitoring Done By

: ETS LAB

Monitoring Duration

: 24 HRS

Place Of Monitoring

: NEAR CHATIKHET VILLAGE AREA

Category Of Area

: INDUSTRIAL AREA

Sampling Method

: ETS/STP/NOISE-01

Observation No.	1	2	3	4	5	6	7	8
Reading dB(A)	45.60	48.70	46.20	41.30	45.20	44.90	46.20	45.10
	9	10	11	12	13	14	15	16
	43.20	41.60	40.80	42.60	41.60	43.80	42.10	40.90
	17	18	19	20	21	22	23	24
	38.70	39.10	35.60	34.80	40.80	41.30	42.80	40.10

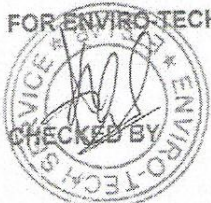
S.No.	Description Noise Level dB(A)	Result		Ambient Noise Standards/ Specification (CPCB/Factories Act) Leq dB(A)	
		Day Time	Night Time	Day Time	Night Time
		1	Average	43.74	39.13
2	Maximum	48.70	42.80		
3	Minimum	40.80	34.80		
4	Leq dB(A)	43.94	39.33	75/90	70.00

Remark : Day time is reckoned in between 06:00 A.M. and 10:00 P.M.

Night time is reckoned in between 10:00 P.M. and 06:00 A.M.

**** End Of Report****

FOR ENVIRO-TECH SERVICES

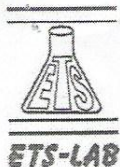


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AUTHORIZED SIGNATORY
Dy. Quality manager

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JAS-ANZ



ISO 9001/14001/OHSAS 18001
Acc. No. M3112041N

TEST REPORT

TEST REPORT NO : ETS/HAL-135/11/2017

DATE OF REPORT : 17-11-2017

NOISE MONITORING REPORT

Name And Address Of Customer : M/s N.S. CORPORATION
 JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY
 ROAD, HALDWANI, NAINITAL, UTTRA KHAND, INDIA -263139

Date of Monitoring : 10-11-2017
 Monitoring Start Date : 10-11-2017
 Monitoring End Date : 11-11-2017
 Monitoring Done By : ETS LAB
 Monitoring Duration : 24 HRS
 Place Of Monitoring : NEAR CHATIKHET VILLAGE AREA
 Category Of Area : INDUSTRIAL AREA
 Sampling Method : ETS/STP/NOISE-01

Observation No.	1	2	3	4	5	6	7	8
Reading dB(A)	45.60	48.70	46.20	41.30	45.20	44.90	46.20	45.10
	9	10	11	12	13	14	15	16
	43.20	41.60	40.80	42.60	41.60	43.80	42.10	40.90
	17	18	19	20	21	22	23	24
	38.70	39.10	35.60	34.80	40.60	41.30	42.80	40.10

S.No.	Description Noise Level dB(A)	Result		Ambient Noise Standards/ Specification (CPCB/Factories Act) Leq dB(A)	
		Day Time	Night Time	Day Time	Night Time
		1	Average	43.74	39.13
2	Maximum	48.70	42.80		
3	Minimum	40.80	34.80		
4	Leq dB(A)	43.94	39.33	75/90	70.00

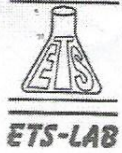
Remark : Day time is reckoned in between 06:00 A.M. and 10:00 P.M.
 Night time is reckoned in between 10:00 P.M. and 06:00 A.M.

**** End Of Report****



Format no ETS/LAB/TR-02 Issue No 04 dt 01/06/2016 Rev No 03 dt 01/06/2016

For Enviro-Tech Services
 AUTHORIZED SIGNATORY
 Dy. Quality manager



ENVIRO-TECH SERVICES

An Environmental Analytical Laboratory

Environmental Monitoring, Testing and Services

(An ISO 9001:2015, 14001:2015 and OHSAS 18001:2007 Certified Company)

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TEST REPORT

TEST REPORT NO : ETS/HAL-145/11/2017

DATE OF REPORT : 17-11-2017

SOIL SAMPLE ANALYSIS REPORT

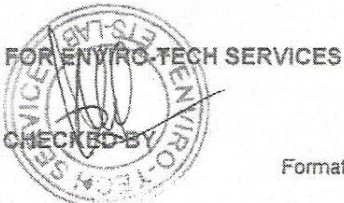
Name And Address Of Customer : M/s N.S. CORPORATION
 JHARKOT SOAP STONE MINES, MOTA HALDU NEAR GAS PLANT, BAREILLY ROAD,
 HALDWANI , NAINITAL, UTTRA KHAND, INDIA -263139

Date of Sampling : 11-11-2017
 Analysis Start Date : 13-11-2017
 Analysis End Date : 17-11-2017
 Sample ID No : 145/11
 Sampling Done By : ETS LAB
 Sampling & Testing Method : BIS & APHA Test Methods
 Sampling Description : SOIL SAMPLE FROM VILLAGE CHATTIKHET
 Sample Quantity : 500 GM
 Packing Condition : Sealed
 Packed In : PVC BAG

S.No.	Parameter	Unit	Result
1	pH (10% Aq. Solution)	--	6.78
2	Moisture	%	18.4
3	Colour	--	BROWN
4	Calcium (as CaCO ₃)	mg/Kg	658.3
5	Potassium (K)	mg/Kg	23.4
6	Sodium (Na)	mg/Kg	46.2
7	Electrical Conductivity	mhos/cm	374.6
8	Organic Carbon (LOI)	%	2.12
9	Sp. Gravity	--	1.91
10	Nitrogen (N)	mg/Kg	1.39
	Available Phosphorous as PO ₄	%	2.15
12	Porosity	%	41.36

Remarks: ALL PARAMETERS ANALYSED ON DRY BASIS EXCEPT MOISTURE. ALL ABOVE PARAMETERS ARE NOT NABL

**** End Of Report****



For Enviro-Tech Services

Md. Humraj
AUTHORIZED SIGNATORY
Dy. Quality Manager