



Newcon Consultants & Laboratories

(GOVERNMENT APPROVED TESTING LABORATORIES)
An ISO 9001 : 2015, ISO 14001 : 2015, ISO 45001 : 2018 Certified Laboratory



TC-12621

TEST REPORT

Page No.: 1 of 2

TEST REPORT No. NCL/EP-048/14/03/24/A		DATE OF REPORT :19/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 19/03/2024
Analysis Start Date	: 14/03/2024	Sample ID No.	: NCL/EP-048/14/03/24
Date of Sampling	: 12/03/2024	Sample Receipt Date	: 14/03/2024
Time of Sampling	: 12:30 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL	Sample Quantity	: 500 gm
Sampling Description	: SOIL SAMPLE	Packing	: Poly Bag
Sampling Location	: Coal Yard (Towards Store)		
Sampling Protocol	: BIS & APHA TEST METHOD		
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.36
2	Moisture	%	IS:2720 (P-2)	17.0
3	Water Holding Capacity (WHC)	%	IS:14765	33.2
4	Iron (Fe)	mg/Kg	USEPA-3050 B	70.4
5	Calcium	mg/Kg	USEPA-3050 B	1983
6	Magnesium	mg/Kg	USEPA-3050 B	239
7	Chlorides (Cl)	mg/Kg	IS:2720	273
8	Potassium (K)	mg/Kg	USEPA-3050 B	357
9	Sodium (Na)	mg/Kg	USEPA-3050 B	233
10	Sulphate (SO4)	mg/Kg	IS:2720 (P-27)	242
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	451
12	Organic Matter	%	IS:2720 (P-22)	1.1
13	Phosphorous (P)	mg/Kg	IS:10158	149
14	Nitrates	mg/Kg	IS:14684	15.9
15	Lead(Pb)	mg/Kg	USEPA-3050 B	1.18
16	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.83
17	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)

EP-048/14/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head



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TEST REPORT No. NCL/EP-048/14/03/24/A	DATE OF REPORT : 19/03/2024
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S.No.	Test Parameters	Units	Test Method	Results
18	Bulk Density	gm/cc	IS:2720 (Part 3):1990 (R 2011)	1.16
19	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL - BELOW DETECTION LIMIT




EP-048/14/03/24-2



Checked by
Sonu Gupta
Sr. Analyst

FOR NEWCON CONSULTANTS & LABORATORIES


Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-048/14/03/24/B		DATE OF REPORT : 19/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name : SOIL SAMPLE
 Analysis Start Date : 14/03/2024
 Date of Sampling : 12/03/2024
 Time of Sampling : 12:30 PM
 Sampling Done By : NCL
 Sampling Description : SOIL SAMPLE
 Sampling Location : Coal Yard (Towards Store)
 Sampling Protocol : BIS & APHA TEST METHOD
 Packing Condition : Sealed

Analysis End Date : 19/03/2024
 Sample ID No. : NCL/EP-048/14/03/24
 Sample Receipt Date : 14/03/2024
 Environmental Condition : 25±2°C

Sample Quantity : 500 gm
 Packing : Poly Bag

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinity	mg/Kg	IS:2720(P-4)	485

End of Report

Remarks : BDL - BELOW DETECTION LIMIT

EP-048/14/03/24-1



Checked by
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Sr. Analyst

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 Shashi Solanki
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TEST REPORT No. NCL/EP-049/14/03/24/A		DATE OF REPORT :19/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 19/03/2024
Analysis Start Date	: 14/03/2024	Sample ID No.	: NCL/EP-049/14/03/24
Date of Sampling	: 12/03/2024	Sample Receipt Date	: 14/03/2024
Time of Sampling	: 12:40 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL	Sample Quantity	: 500 gm
Sampling Description	: SOIL SAMPLE	Packing	: Poly Bag
Sampling Location	: Ash Pond Area(Power Plant Side)		
Sampling Protocol	: BIS & APHA TEST METHOD		
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.33
2	Moisture	%	IS:2720 (P-2)	14.8
3	Water Holding Capacity (WHC)	%	IS:14765	29.2
4	Iron (Fe)	mg/Kg	USEPA-3050 B	64.7
5	Calcium	mg/Kg	USEPA-3050 B	1975
6	Magnesium	mg/Kg	USEPA-3050 B	240
7	Chlorides (Cl)	mg/Kg	IS:2720	294
8	Potassium (K)	mg/Kg	USEPA-3050 B	259
9	Sodium (Na)	mg/Kg	USEPA-3050 B	206
10	Sulphate (SO ₄)	mg/Kg	IS:2720 (P-27)	280
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	487
12	Organic Matter	%	IS:2720 (P-22)	1.5
13	Phosphorous (P)	mg/Kg	IS:10158	96.2
14	Nitrates	mg/Kg	IS:14884	17.4
15	Lead(Pb)	mg/Kg	USEPA-3050 B	1.21
16	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.78
17	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)

EP-049/14/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-049/14/03/24/A

DATE OF REPORT : 19/03/2024

S.No.	Test Parameters	Units	Test Method	Results
18	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.42
19	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL - BELOW DETECTION LIMIT

EP-049/14/03/24-2



Checked by
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Sr. Analyst

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TEST REPORT No. NCL/EP-049/14/03/24/B		DATE OF REPORT :19/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 19/03/2024
Analysis Start Date	: 14/03/2024	Sample ID No.	: NCL/EP-049/14/03/24
Date of Sampling	: 12/03/2024	Sample Receipt Date	: 14/03/2024
Time of Sampling	: 12:40 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL	Sample Quantity	: 500 gm
Sampling Description	: SOIL SAMPLE	Packing	: Poly Bag
Sampling Location	: Ash Pond Area(Power Plant Side)		
Sampling Protocol	: BIS & APHA TEST METHOD		
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinity	mg/Kg	IS-2720(P-4)	489

End of Report

Remarks : BDL - BELOW DETECTION LIMIT

EP-049/14/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

FOR NEWCON CONSULTANTS & LABORATORIES


Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT

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TEST REPORT No. NCL/EP-097/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED, Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-097/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 12:50 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Bamhourī Sohna Jaipal & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.33
2	Moisture	%	IS:2720 (P-2)	14
3	Water Holding Capacity (WHC)	%	IS:14765	33
4	Iron (Fe)	mg/Kg	USEPA-3050 B	77.2
5	Calcium	mg/Kg	USEPA-3050 B	2058
6	Magnesium	mg/Kg	USEPA-3050 B	241
7	Chlorides (Cl)	mg/Kg	USDA	293
8	Potassium (K)	mg/Kg	USEPA-3050 B	279
9	Sodium (Na)	mg/Kg	USEPA-3050 B	223
10	Sulphate (SO ₄)	mg/Kg	IS:2720 (P-27)	287
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	620
12	Phosphorous (P)	mg/Kg	IS:10158	90
13	Nitrates	mg/Kg	IS:14684	18.2
14	Lead(Pb)	mg/Kg	USEPA-3050 B	1.17
15	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.86
16	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)
17	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.93

EP-097/16/03/24-1



Sam
Checked by
Somu Gupta
Sr. Analyst

Arvind
Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Shashi
Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-097/16/03/24/A

DATE OF REPORT : 21/03/2024

S.No.	Test Parameters	Units	Test Method	Results
18	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL=Below Detection Limit.



EP-097/16/03/24-2



Sonu Gupta
Checked by
Sonu Gupta
Sr. Analyst

Arvind Choudhary
Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Shashi Solanki
Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-098/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED, Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name : SOIL SAMPLE
 Analysis Start Date : 16/03/2024
 Date of Sampling : 14/03/2024
 Time of Sampling : 01:00 PM
 Sampling Done By : NCL
 Sampling Description : SOIL SAMPLE
 Sampling Location : Masora, Deepohond & Others
 Sampling Protocol : BIS & APHA TEST METHOD
 Packing Condition : Sealed

Analysis End Date : 21/03/2024
 Sample ID No. : NCL/EP-098/16/03/24
 Sample Receipt Date : 16/03/2024
 Environmental Condition : 25±2°C

Sample Quantity : 500 gm
 Packing : Poly Bag

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-28)	7.40
2	Moisture	%	IS:2720 (P-2)	13.3
3	Water Holding Capacity (WHC)	%	IS:14765	32
4	Iron (Fe)	mg/Kg	USEPA-3050 B	74
5	Calcium	mg/Kg	USEPA-3050 B	2075
6	Magnesium	mg/Kg	USEPA-3050 B	255
7	Chlorides (Cl)	mg/Kg	USDA	270
8	Potassium (K)	mg/Kg	USEPA-3050 B	283
9	Sodium (Na)	mg/Kg	USEPA-3050 B	234
10	Sulphate (SO4)	mg/Kg	IS:2720 (P-27)	291
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	542
12	Phosphorous (P)	mg/Kg	IS:10158	92.4
13	Nitrates	mg/Kg	IS:14684	17.2
14	Lead(Pb)	mg/Kg	USEPA-3050 B	1.29
15	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.90
16	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)
17	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.15

EP-098/16/03/24-1



Son
 Checked by
 Sonu Gupta
 Sr. Analyst

Arvind
 Authorized Signatory
 Arvind Choudhary
 Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Shashi
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 Shashi Solanki
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TEST REPORT No. NCL/EP-098/16/03/24/A

DATE OF REPORT : 21/03/2024

S.No.	Test Parameters	Units	Test Method	Results
18	Arsenic & Its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL=Below Detection Limit.

EP-098/16/03/24-2



Checked by
Sonu Gupta
Sr. Analyst

Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

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Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name : SOIL SAMPLE
 Analysis Start Date : 16/03/2024
 Date of Sampling : 14/03/2024
 Time of Sampling : 01:00 PM
 Sampling Done By : NCL
 Sampling Description : SOIL SAMPLE
 Sampling Location : Masora, Deepohond & Others
 Sampling Protocol : BIS & APHA TEST METHOD
 Packing Condition : Sealed

Analysis End Date : 21/03/2024
 Sample ID No. : NCL/EP-098/16/03/24
 Sample Receipt Date : 16/03/2024
 Environmental Condition : 25±2°C
 Sample Quantity : 500 gm
 Packing : Poly Bag

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinty	mg/Kg	IS:2720(P-4)	460

End of Report

Remarks : BDL=Below Detection Limit.

EP-098/16/03/24-1



Sonu Gupta
 Checked by
 Sonu Gupta
 Sr. Analyst

Arvind Choudhary
 Authorized Signatory
 Arvind Choudhary
 Instrument (HOD)

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TEST REPORT No. NCL/EP-099/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name : SOIL SAMPLE
 Analysis Start Date : 16/03/2024
 Date of Sampling : 14/03/2024
 Time of Sampling : 01:10 PM
 Sampling Done By : NCL
 Sampling Description : SOIL SAMPLE
 Sampling Location : Khokhra, Kalyan & Others
 Sampling Protocol : BIS & APHA TEST METHOD
 Packing Condition : Sealed

Analysis End Date : 21/03/2024
 Sample ID No. : NCL/EP-099/16/03/24
 Sample Receipt Date : 16/03/2024
 Environmental Condition : 25±2°C

Sample Quantity : 500 gm
 Packing : Poly Bag

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.27
2	Moisture	%	IS:2720 (P-2)	15.6
3	Water Holding Capacity (WHC)	%	IS:14765	35.1
4	Iron (Fe)	mg/Kg	USEPA-3050 B	75.2
5	Calcium	mg/Kg	USEPA-3050 B	2015
6	Magnesium	mg/Kg	USEPA-3050 B	239
7	Chlorides (Cl)	mg/Kg	USDA	260
8	Potassium (K)	mg/Kg	USEPA-3050 B	272
9	Sodium (Na)	mg/Kg	USEPA-3050 B	215
10	Sulphate (SO4)	mg/Kg	IS:2720 (P-27)	270
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	529
12	Phosphorous (P)	mg/Kg	IS:10158	97.4
13	Nitrates	mg/Kg	IS:14684	19.8
14	Lead(Pb)	mg/Kg	USEPA-3050 B	1.33
15	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.93
16	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)
17	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.17

EP-099/16/03/24-1



Sonu
 Checked by
 Sonu Gupta
 Sr. Analyst

Arvind
 Authorized Signatory
 Arvind Choudhary
 Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Shashi
 Authorized Signatory
 Shashi Solanki
 Lab Head

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TEST REPORT No. NCL/EP-099/16/03/24/A

DATE OF REPORT : 21/03/2024

S.No.	Test Parameters	Units	Test Method	Results
18	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL=Below Detection Limit.

EP-099/16/03/24-2



Sonu Gupta
Checked by
Sonu Gupta
Sr. Analyst

Arvind Choudhary
Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Shashi Solanki
Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT

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TEST REPORT No. NCL/EP-099/16/03/24/B		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-099/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 01:10 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Khokhra, Kalyan & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinity	mg/Kg	IS:2720(P-4)	477

End of Report

Remarks : BDL=Below Detection Limit.

EP-099/16/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-100/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-100/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 01:20 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Gugarwara, Monsry & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.15
2	Moisture	%	IS:2720 (P-2)	12.8
3	Water Holding Capacity (WHC)	%	IS:14765	34.8
4	Iron (Fe)	mg/Kg	USEPA-3050 B	76
5	Calcium	mg/Kg	USEPA-3050 B	1997
6	Magnesium	mg/Kg	USEPA-3050 B	250
7	Chlorides (Cl)	mg/Kg	USDA	242
8	Potassium (K)	mg/Kg	USEPA-3050 B	260
9	Sodium (Na)	mg/Kg	USEPA-3050 B	210
10	Sulphate (SO4)	mg/Kg	IS:2720 (P-27)	258
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	502
12	Phosphorous (P)	mg/Kg	IS:10158	95.3
13	Nitrates	mg/Kg	IS:14684	16.1
14	Lead(Pb)	mg/Kg	USEPA-3050 B	1.20
15	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.88
16	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)
17	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.11

EP-100/16/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

Authorized Signatory
Avinand Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT No. NCL/EP-100/16/03/24/A

DATE OF REPORT : 21/03/2024


S.No.	Test Parameters	Units	Test Method	Results
18	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL=Below Detection Limit.

EP-100/16/03/24-2




 Checked by
 Sonu Gupta
 Sr. Analyst


 Authorized Signatory
 Arvind Choudhary
 Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES


 Authorized Signatory
 Shashi Solanki
 Lab Head

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TEST REPORT

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TEST REPORT No. NCL/EP-100/16/03/24/B		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-100/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 01:20 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Gugarwara, Monsry & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinity	mg/Kg	IS:2720(P-4)	462

End of Report

Remarks : BDL=Below Detection Limit.

EP-100/16/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head

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TEST REPORT

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TEST REPORT No. NCL/EP-101/16/03/24/A		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-101/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 01:30 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Mirchwara (Lalitpur) Santroni & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	pH (1:5 Suspension)	-	IS:2720 (P-26)	7.30
2	Moisture	%	IS:2720 (P-2)	12
3	Water Holding Capacity (WHC)	%	IS:14765	30.2
4	Iron (Fe)	mg/Kg	USEPA-3050 B	72.1
5	Calcium	mg/Kg	USEPA-3050 B	2108
6	Magnesium	mg/Kg	USEPA-3050 B	261
7	Chlorides (Cl)	mg/Kg	USDA	255
8	Potassium (K)	mg/Kg	USEPA-3050 B	270
9	Sodium (Na)	mg/Kg	USEPA-3050 B	225
10	Sulphate (SO4)	mg/Kg	IS:2720 (P-27)	280
11	Electrical Conductivity at 25° C (Suspension)	µs/cm	IS:14767	550
12	Phosphorous (P)	mg/Kg	IS:10158	98.3
13	Nitrates	mg/Kg	IS:14684	18.7
14	Lead(Pb)	mg/Kg	USEPA-3050 B	1.30
15	Nickel (Ni)	mg/Kg	USEPA-3050 B	0.98
16	Total Chromium(Cr)	mg/Kg	USEPA-3050 B	BDL(DL-0.1)
17	Bulk Density	gm/cc	IS:2720 (Part 3):1980 (R 2011)	1.20

EP-101/16/03/24-1



Checked by
Sonu Gupta
Sr. Analyst

Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

Authorized Signatory
Shashi Solanki
Lab Head

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Page No.: 2 of 2

TEST REPORT No. NCL/EP-101/16/03/24/A

DATE OF REPORT : 21/03/2024

S.No.	Test Parameters	Units	Test Method	Results
18	Arsenic & its Compounds	mg/kg	Soil USEPA-3050 B	BDL(DL-0.05)

End of Report

Remarks : BDL=Below Detection Limit.

EP-101/16/03/24-2



Sonu
Checked by
Sonu Gupta
Sr. Analyst

Arvind
Authorized Signatory
Arvind Choudhary
Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

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TEST REPORT

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TEST REPORT No. NCL/EP-101/16/03/24/B		DATE OF REPORT : 21/03/2024
Name and Address of Customer	M/S LALITPUR POWER GENERATION COMPANY LIMITED. Village-Mirchwara and Burogaon, Tehsil-Mahroni, Lalitpur-284123 (U.P) India	

SAMPLING DETAILS

Sample Name	: SOIL SAMPLE	Analysis End Date	: 21/03/2024
Analysis Start Date	: 16/03/2024	Sample ID No.	: NCL/EP-101/16/03/24
Date of Sampling	: 14/03/2024	Sample Receipt Date	: 16/03/2024
Time of Sampling	: 01.30 PM	Environmental Condition	: 25±2°C
Sampling Done By	: NCL		
Sampling Description	: SOIL SAMPLE		
Sampling Location	: Mirchwara (Lalitpur) Santroni & Others	Sample Quantity	: 500 gm
Sampling Protocol	: BIS & APHA TEST METHOD	Packing	: Poly Bag
Packing Condition	: Sealed		

TEST RESULT

S.No.	Test Parameters	Units	Test Method	Results
1	Alkalinity	mg/Kg	IS-2720(P-4)	472

End of Report

Remarks : BDL=Below Detection Limit.

EP-101/16/03/24-1



Sonu Gupta
 Checked by
 Sonu Gupta
 Sr. Analyst

Arvind Choudhary
 Authorized Signatory
 Arvind Choudhary
 Instrument (HOD)

FOR NEWCON CONSULTANTS & LABORATORIES

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