



DEVBHOOMI TESTING LABORATORY DEHRADUN

NABL Accredited, Govt. Approved, MSME Registered, & ISO : 9001:2015 & 14001: 2015 Certified Laboratory

Neelkanth Enclave, Harbhajwala, Telpur Chowk, Shimla By Pass Road, Dehradun 248171

Mob: +91-7217360360, +91-7579118238, 8859392493, 9760764229

Email: devbhoomilab@gmail.com

TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/2910/13
Sample Id: 29102024/13	Date of Report: 06/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 29/10/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 06/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W : Construction of 18m Span RCC Motor bridge in km 4, at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-04 Sample: 01

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.5	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	5.6	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	75	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	108	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	18	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	23	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.76	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	156	2000	IS: 3025 (P-17) 2022

*****End of Report*****



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2. Total liability of our lab is limited to the invoiced amount.
3. Sample not drawn by lab and sample will be destroyed after 30 days from the date of issue of test report.
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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/2910/14
Sample Id: 29102024/14	Date of Report: 06/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 29/10/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 06/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W : Construction of 18m Span RCC Motor bridge in km 4, at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-04 Sample: 02

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.6	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	5.8	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	76	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	109	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	18.4	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	24	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.79	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	158	2000	IS: 3025 (P-17) 2022

*****End of Report*****


Technical Manager
Devbhoomi Testing Laboratory Dehradun

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/3010/13
Sample Id: 30102024/13	Date of Report: 06/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 30/10/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 06/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 15 m Span RCC Motor bridge in km 8-(HM 2-4), at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-08-(HM 2-4) Sample: 01

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.2	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.3	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	74	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	115	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	20.4	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	27	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.86	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	159	2000	IS: 3025 (P-17) 2022

*****End of Report*****


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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/3010/14
Sample Id: 30102024/14	Date of Report: 06/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 30/10/2024
Sample Condition: Receipt as OK	Start Date of Testing: 01/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 06/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 15 m Span RCC Motor bridge in km 8-(HM 2-4), at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-08-(HM 2-4) Sample: 02

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.3	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.5	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	76	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	117	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	20.6	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	26	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.89	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	160	2000	IS: 3025 (P-17) 2022

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0111/13
Sample Id: 01112024/13	Date of Report: 07/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 01/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 02/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 07/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 30m Span Steel Truss Motor bridge in km 8-(HM 8-10), at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-08-(HM 8-10) Sample: 01

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.8	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	5.5	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	78	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	112	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	17.8	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	23	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.63	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	162	2000	IS: 3025 (P-17) 2022

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Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0111/14
Sample Id: 01112024/14	Date of Report: 07/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 01/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 02/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 07/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 30m Span Steel Truss Motor bridge in km 8-(HM 8-10), at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-08-(HM 8-10) Sample: 02

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.7	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	5.8	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	77	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	114	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	18.4	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	24	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.68	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	164	2000	IS: 3025 (P-17) 2022

*****End of Report*****


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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0211/12
Sample Id: 02112024/12	Date of Report: 09/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 02/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 04/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 09/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 24 m Span Steel Truss Motor bridge in km 12, at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-12 Sample: 01

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.5	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.0	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	74	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	116	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	19.3	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	22	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.78	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	165	2000	IS: 3025 (P-17) 2022

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/0211/13
Sample Id: 02112024/13	Date of Report: 09/11/2024
Sample Quantity: 1 Ltr.	Date of Sampling: 02/11/2024
Sample Condition: Receipt as OK	Start Date of Testing: 04/11/2024
Sample Plan & Sampling Method: NA	Date of Completion: 09/11/2024
Environment Condition (Temp. & Humidity): NA	Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA	
N.O.W: Construction of 24 m Span Steel Truss Motor bridge in km 12, at Nandprayag Ghat Motorway under U-PREPARE Project.	
Issued to: M/S ARKS UNIVERSAL PRIVATE LIMITED	

Location :- Km-12 Sample: 02

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS: 456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02 N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.6	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.2	25.0 ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	75	200	IS: 3025 (P-18) 2022
4.	Inorganic, mg/l.	118	3000	IS: 3025 (P-18) 2022
5.	Sulphate as SO ₃ , mg/l.	19.8	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	23	500 mg /l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	7.80	Not less than 6.0	IS: 3025 (P-11) 2022
8.	Suspended matter, mg/l	166	2000	IS: 3025 (P-17) 2022

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