

During - Construction



DEVBHOOMI TESTING LABORATORY DEHRADUN

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

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Email: devbhoomilab@gmail.com

TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0804/09
Sample Id: 08042025/09	Date of Report: 16/04/2025
Sample Quantity: As per requirement	Date of Sampling: 08/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 11/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 16/04/2025
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	

Sample: 01 (Km-4)

S.No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000(Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	0.56	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.3	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	89	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	121	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	29	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	26	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	8.2	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	182	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/2025/0804/10
Sample Id: 08042025/10	Date of Report: 16/04/2025
Sample Quantity: 1 Ltr.	Date of Sampling: 08/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 11/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 16/04/2025
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	

Sample: 02 (Km-4)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml. of water sample using Phenolphthalein indicator	0.53	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	6.29	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	86	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	120	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	26	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	29	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	8.68	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	189	2000	IS:3025 (P-17)2022

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

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0704/54
Sample Id: 07042025/54	Date of Report: 15/04/2025
Sample Quantity: As per requirement	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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	

Sample: 01 Km-08

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml of water sample using Phenolphthalein indicator	1.36	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	8.12	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	87	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	118	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	33.60	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	26.28	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	9.69	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	128	2000	IS:3025 (P-17)2022

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

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0704/55
Sample Id: 07042025/55	Date of Report: 15/04/2025
Sample Quantity: 1 Ltr.	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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	

Sample: 02(Km-08)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000(Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-Noah to neutralize 100ml. of water sample using Phenolphthalein indicator	1.34	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	8.16	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	89	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	126	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	33.52	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	27	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	9.36	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	131	2000	IS:3025 (P-17)2022

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

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0704/56
Sample Id: 07042025/56	Date of Report: 15/04/2025
Sample Quantity: As per requirement	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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.	
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Sample: 01 (Km-8)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test referred to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml. of water sample using Phenolphthalein indicator	1.6	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H_2SO_4 to neutralize 100ml of water sample using mixed indicator	11.46	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	92	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	142	3000	IS:3025 (P-18)2022
5.	Sulphate as SO_3 , mg/l.	46	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	38	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	10.63	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	196	2000	IS:3025 (P-17)2022

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

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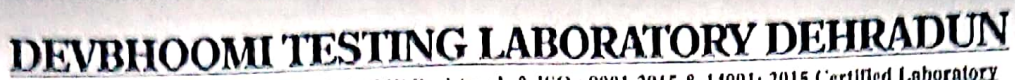
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TEST REPORT

Description of Sample: Surface Water	Report No.: DFL/DDN/2025/0704/57
Sample Id: 07042025/57	Date of Report: 15/04/2025
Sample Quantity: 1 Ltr.	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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	

Sample: 02 (Km-8)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test referred to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml. of water sample using Phenolphthalein indicator	1.52	5.0 ml.	IS-3025 (P-22) 1986 RA:2019
2.	Requirement of 0.02 N- H_2SO_4 to neutralize 100ml of water sample using mixed indicator	11.14	25.0ml.	IS-3025 (P-23) 1986 RA:2019
3.	Organics, mg/l.	98	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	146	3000	IS:3025 (P-18)2022
5.	Sulphate as SO_3 , mg/l.	48	400	IS: 3025(P-24)1986 RA:2019
6.	Chloride as Cl, mg/l	36	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988 RA:2019
7.	pH	10.65	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	194	2000	IS:3025 (P-17)2022

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0704/58
Sample Id: 07042025/58	Date of Report: 15/04/2025
Sample Quantity: As per requirement	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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	

Sample: 01(Km-12)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test referred to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml. of water sample using Phenolphthalein indicator	1.65	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N-H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	7.34	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	88	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	118	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	25.36	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	29	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	8.3	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	194	2000	IS:3025 (P-17)2022

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

Attested.
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D.D.

Signature of Authorized Signatory



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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2025/0704/59
Sample Id: 07042025/59	Date of Report: 15/04/2025
Sample Quantity: 1 Ltr.	Date of Sampling: 07/04/2025
Sample Condition: Receipt as OK	Start Date of Testing: 10/04/2025
Sample Plan & Sampling Method: NA	Date of Completion: 15/04/2025
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	

Sample: 02(Km-12)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml. of water sample using Phenolphthalein indicator	1.65	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H ₂ SO ₄ to neutralize 100ml of water sample using mixed indicator	7.34	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	88	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	118	3000	IS:3025 (P-18)2022
5.	Sulphate as SO ₃ , mg/l.	25.36	400	IS: 3025(P-24)1986RA:2019
6.	Chloride as Cl, mg/l	29	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	8.3	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	194	2000	IS:3025 (P-17)2022

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

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