



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

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Email: devbhoomilab@gmail.com

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TEST REPORT

Description of Sample: Surface Water	Report No.: DTL/DDN/2024/2910/13
Sample Id: 20102024/13	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	
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:	Page 1 of 1
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*****

- Acharya
Env Exp. FPCU PWD.
D.D.

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Authorised Signatory

- The result listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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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	
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	Page 1 of 1

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*****

Achamdi
 Enr. EXP FPIU PWD
 D.D.

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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	
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.	
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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*****

Acknowledged
Eny Exp FPIU PWD
D.D.

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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	
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.	
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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 /1 for RCC & 200mg/1 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

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

H.C. Arora
Env. Engg. FPLG PWD
D.D.

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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	
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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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

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

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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	
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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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*****

A. Chaudhary
 En.Y. E.T.Y. F.P.C.W. PLO.D.
 D. D.

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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	
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.	
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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

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

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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	
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.	
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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

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

Abdullah
Enx. Exp. FDIU PCW
D. D.

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