



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: Steel 08 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/26
Sample Id.: 29102024/26		Date of Report: 31/10/2024
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024
Environment Condition (Temp. & Humidity): NA		Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA		
Bond No: 09/BR/RFB-EPC/UGRIDP/2023	Dated: 18/09/2024	
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.		
Contractor: M/S Umashankar Singh Rawat,		
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.		

S. No.	Parameters	Test Value	Requirement as per IS-1786-2008 (Fe-500D)	Method of test
I.	Physical Properties: -			
1.	Dia, mm	8		IS:1786-2008, RA:2018
2.	Wt, kg/m	0.397	0.395± 7%	IS:17862008,Amd.2,Reaff:2018
3.	Tensile strength, N/mm ²	675.4	10% more than actual 0.2 % proof stress/ Yield stress but not less than 565 N/mm ²	IS: 1608-2005Reaff: 2017
4.	Yield stress, N/mm ²	573.7	500 Min.	IS: 1608-2005Reaff: 2017
5.	TS/YS Ratio	1.18	≥ 1.10	By Calculation
6.	Elongation, %	19.32	16.0 Min.	IS: 1608-2005Reaff: 2017
7.	Bend test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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



Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



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: Steel 10 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/27
Sample Id.: 29102024/27		Date of Report: 31/10/2024
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024
Environment Condition (Temp. & Humidity): NA.		Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA		
Bond No: 09/BR/RFB-EPC/UGRIDP/2023	Dated: 18/09/2024	
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.		
Contractor: M/S Umashankar Singh Rawat,		
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.		

S. No.	Parameters	Test Value	Requirement as per IS:1786-2008, Reaff:2018(Fe500D)	Method of Test
I.	Physical Properties:-			
1.	Dia, mm	10	-----	IS:1786-2008, RA:2018
2.	Weight, kg/m	0.618	$0.617 \pm 7\%$	IS:1786 2008,Amd.2,Reaff:2018
3.	Tensile Strength, N/mm ²	672.8	10% more than actual 0.2 % proof stress/ Yield stress but not less than 565 N/mm ²	IS: 1608-2005Reaff: 2017
4.	Yield Stress, N/mm ²	579.1	500 Min.	IS: 1608-2005Reaff: 2017
5.	TS/YS Ratio	1.17	≥ 1.10	By Calculation
6.	Elongation, %	18.62	16.0 Min.	IS: 1608-2005Reaff: 2017
7.	Bend Test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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



Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



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: Steel 12 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/28
Sample Id.: 29102024/28		Date of Report: 31/10/2024
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024
Environment Condition (Temp. & Humidity): NA.		Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA		
Bond No: 09/BR/RFB-EPC/UGRIDP/2023	Dated: 18/09/2024	
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.		
Contractor: M/S Umashankar Singh Rawat,		
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.		

S.No.	Parameters	Test Value	Requirement as per IS:1786-2008, Reaff:2018(Fe500D)	Method of Test
I.	Physical Properties:-			
1.	Dia, mm	12	-----	IS:1786-2008, RA:2018
2.	Weight, kg/m	0.884	0.888 \pm 5%	S:1786:2008,Amd.2,Reaff:2018
3.	Tensile Strength, N/mm ²	689.4	10% more than actual 0.2 % proof stress/ Yield stress but not less than 565 N/mm ²	IS: 1608-2005Reaff: 2017
4.	Yield Stress, N/mm ²	581.3	500 Min.	IS: 1608-2005Reaff: 2017
5.	TS/YS Ratio	1.19	\geq 1.10	By Calculation
6.	Elongation, %	19.86	16.0 Min.	IS: 1608-2005Reaff: 2017
7.	Bend Test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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



Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



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: Steel 16 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/29	
Sample Id.: 29102024/29		Date of Report: 31/10/2024	
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024	
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024	
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024	
Environment Condition (Temp. & Humidity): NA.	Page 1 of 1		
Addition to, Deviation or Exclusion from the Method: NA			
Bond No: 09/BR/RFB-EPC/UGRIDP/2023			Dated: 18/09/2024
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.			
Contractor: M/S Umashankar Singh Rawat,			
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.			

S. No.	Parameters	Test Value	Requirement as per IS:1786-2008, Reaff:2018(Fe500D)	Method of Test
I.	Physical Properties:-			
1.	Dia, mm	16	-----	IS:1786-2008, RA:2018
2.	Weight, kg/m	1.582	1.58 ± 5%	IS:1786 2008,Amd.2,Reaff:2018
3.	Tensile Strength, N/mm ²	693.2	10% more than actual 0.2 % proof stress/ Yield stress but not less than 565 N/mm ²	IS: 1608-2005Reaff: 2017
4.	Yield Stress, N/mm ²	578.3	500 Min.	IS: 1608-2005Reaff: 2017
5.	TS/YS Ratio	1.20	≥ 1.10	By Calculation
6.	Elongation, %	21.36	16.0 Min.	IS: 1608-2005Reaff: 2017
7.	Bend Test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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


Technical Manager
Devbhoomi Testing Laboratory Dehradun

Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



DEVBHOMI 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: Steel 20 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/30
Sample Id. : 29102024/30		Date of Report: 31/10/2024
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024
Environment Condition (Temp. & Humidity): NA.		Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA		
Bond No: 09/BR/RFB-EPC/UGRIDP/2023	Dated: 18/09/2024	
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.		
Contractor: M/S Umashankar Singh Rawat,		
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.		

S. No.	Parameters	Test Value	Requirement as per IS:1786-2008, Reaff:2018(Fe500D)	Method of Test
I.	Physical Properties:-			
1.	Dia, mm	20	-----	IS:1786-2008, RA:2018
2.	Weight, kg/m	2.469	2.47 ± 3%	IS:1786 2008,Amd.2,Reaff:2018
3.	Tensile Strength, N/mm ²	712.8	10% more than actual 0.2 % proof stress/ Yield stress but not less than 565 N/mm ²	IS: 1608-2005Reaff: 2017
4.	Yield Stress, N/mm ²	592.6	500 Min.	IS: 1608-2005Reaff: 2017
5.	TS/YS Ratio	1.20	≥ 1.10	By Calculation
6.	Elongation, %	21.73	16.0 Min.	IS: 1608-2005Reaff: 2017
7.	Bend Test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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



Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.



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: Steel 25 mm Dia	Make: Shyam	Report No.: DTL/DDN/2024/2910/31
Sample Id.: 29102024/31		Date of Report: 31/10/2024
Sample Quantity: 1mtr. x 3 Nos.		Date of Receipt: 29/10/2024
Sample Condition: Receipt as OK		Start Date of Testing: 30/10/2024
Sample Plan & Sampling Method: NA		Date of Completion: 31/10/2024
Environment Condition (Temp. & Humidity): NA.		Page 1 of 1
Addition to, Deviation or Exclusion from the Method: NA		
Bond No: 09/BR/RFB-EPC/UGRIDP/2023	Dated: 18/09/2024	
N.O.W.: 1. Construction of 24M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Ujjawalpur to Gwad Dungri Jaspur Motor Road: 2.Construction of 48M Span Intermediate Lane Motor Bridge & its approach over Meeng Gadera in KM-1 of Gadhani Motor Road. 3. Construction of 48M Span Intermediate Lane Motor Bridge & its approach in KM-2 of Gairsan to Village Devlkot Motor Road in District Chamoli under EPC Mode.		
Contractor: M/S Umashankar Singh Rawat,		
Issued to: Umashankar Singh Rawat, Tharali Chamoli, Uttarakhand.		

S. No.	Parameters	Test Value	Requirement as per IS:1786-2008, Reaff:2018 (Fe500D)	Method of Test
I.	Physical Properties:-			
1.	Dia, mm	25	-----	IS:1786-2008, RA:2018
2.	Weight, kg/m	3.848	$3.85 \pm 3\%$	IS:1786 2008,Amd.2,Reaff:2018
3.	Tensile Strength, N/mm ²	716.7	10% more than actual 0.2% proof stress/ yield stress but not less than 565 N/mm ²	IS: 1608-2005 Reaff: 2017
4.	Yield Stress, N/mm ²	589.5	500Min.	IS: 1608-2005 Reaff: 2017
5.	TS/YS Ratio	1.21	≥ 1.10	By Calculation
6.	Elongation, %	21.24	16.0 Min.	IS: 1608-2005 Reaff: 2017
7.	Bend Test	Satisfactory	No transverse crack in the bend portion should occur	IS: 1599-2019

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



Checked & Issued by
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
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.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.