MEMORANDUM OF UNDERSTANDING

Date: 02-01-2026

M/s. GLOBAL STEEL STRUCTURES PVT. LTD.
&
M/s. KVS METALLURGICAL LABS PVT. LTD.

Memorandum of Understanding between Global Steel Structures Pvt. Ltd. (GSSPL) and KVS Metallurgical Labs Pvt.Ltd.

Whereas M/s. Global Steel Structures Pvt. Ltd. (approved by RDSO for fabrication of Girders) is engaged in the fabrication of Steel Girders (Composite Steel Plate Girders, Open Web Girders, Bow String Girders and Truss Type Girders) having its facilities at Survey No-12, Near Kuchavaram (Village), Toopran (Mandal), Medak (Dist.), Telangana. - 502336

Whereas M/s. KVS Metallurgical Labs Pvt.Ltd. is NABL Approved Testing Laboratory having its facility at Plot No.47, Shop No.4, TIE, Balanagar, Hyderabad 500037 Telangana. and providing Testing services to Fabrication Units as per the requirement of RDSO/QAP or clients.

Now therefore GSSPL & KVS Metallurgical Labs Pvt.Ltd agree as under

1. The MOU will remain effective from 02-01-2026 to 01-01-2032. Both parties may agree in writing to extend this MOU for the such period they determine.
2. Mr. K. Ramdev (Sr. Engineer) shall represent Global Steel Structures Pvt. Ltd. and Mr. P. Naresh (Technical Manager) from KVS Metallurgical Labs Pvt.Ltd. for all kinds of Communication for Testing procedures, sample collection and delivery to the lab and testing charges.
3. The Understanding has been made to provide the following testing services required to fabricate steel bridges as per RDSO requirements. KVS Labs has suitable infrastructure equipment and machinery to conduct the following Tests.
    a) Ultrasonic Testing
    b) Liquid Penetration Test
    c) Magnetic Particle Test
    d) Macro etch Test
    e) Chemical Analysis

f) Hardness Test
g) Tensile Test
h) Bent Test
i) Impact Test
j) Radiography Test
k) Phased Array Ultrasonic Testing

Roles and Responsibilities:

A. KVS Metallurgical Labs Pvt.Ltd.

a) KVS Labs will conduct the above tests required by the GSSPL/Inspection agency as per QAP/IS Standards/RDSO Standards at mutually agreed prices.
b) Test Lab may directly provide the Test results to concerned Inspection agencies or they can hand over the results to GSSPL who in turn can send the reports to clients/inspection agencies.
c) The laboratory shall conduct the testing as per the mutually agreed timeframe. Each test time frame will be mutually agreed upon before handing the samples to KVS Labs.
d) KVS Labs shall permit and allow the representative of the clients/inspection agency along with the GSSPL representative to witness the testing method and procedure during Testing.

B. Global Steel Structures Pvt. Ltd. (GSSPL)

a) GSSPL shall arrange to deliver the samples to the testing facility of KVS Labs.
b) GSSPL shall inform KVS Labs well in advance (3 days min.) of the requirement of the Tests so that KVS Labs can plan the testing accordingly.
c) GSSPL shall pay KVS Labs as per agreed terms and conditions.
d) GSSPL will be responsible for bringing inspection officials to witness the Tests at the Test lab.

For KVS Metallurgical Labs Pvt.Ltd

P.Naresh
(Technical Manager)

For Global Steel Structures Pvt. Ltd.

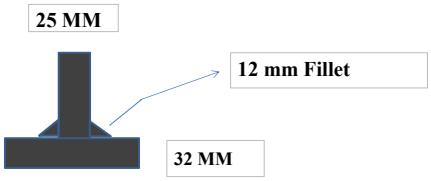
K. Ramdev
(Sr. Engineer)

WELDING PROSEDURE QUALIFICATION RECORDS

Manufacture's Name & Address:	Global Steel Structures Pvt. Ltd , Kuchavaram Village, Toopran Mandal, Medak Dist., Telangana
Name of the Project	1.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT AARADHYA TOWER, AT PIPE LINE ROAD TILAK NAGAR IN M/W WARD. 2.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT SARVODAY BHUDHA VIHAR, AT PIPE LINE ROAD TILAK NAGR IN M/W WARD.
Description of Weld Joint:	12 MM FILLET
Drawing no:	MCGM-217/AARADHYA TOWER-BR/SUP/217201
WPSS No:	GSSPL/24/JSL/WPSS-1/SAW/01
Sample No:	RK01
Welder's Name:	RAM KUMAR
Dimension Of Test Pieces:	32X150X300 + 25X150X300
Base Metal:	IRS 350CR
Welding Process:	SAW
Welding Position:	1F
Provision of Run On-Run off	YES
Welding Current:Type/Polarity.	DC & RP



Joint Details With Sketch



Electrodes / Wire:

Class	Dia. (mm)	Type.	Brand	Drying Method
AWS A5.9	4.0	COPPER COATED MILD STEEL WIRE	GEE SAW 309L	NA

Flux & Shielding Gas:

Class	Type	Brand	Drying Temp (°C)	Shielding Gas
AWS A5.9	Agglomerated	GEE FLUX 303	300-350 for one Hours	NA

Welding Parameter:

Welding Pass No.	Electrode/Wire Dia. (mm)	Current (amp)	Arc Voltage (volt)	Travel Speed (cm/min)	Electrode Stick out (mm)	Shielding Gas Flow Rate (Ltr./min)
1	4.0	475-485	28-30	36-40	15-20	NA

Approved Test Results (Covers Thickness Range of WPSS)

Visual:	Satisfactory
DP Test:	Satisfactory
Macro Examination:	Satisfactory
Fillet Weld Fracture:	Satisfactory
NOTE : This WPQR cover for thickness 0.75t to 2t.	

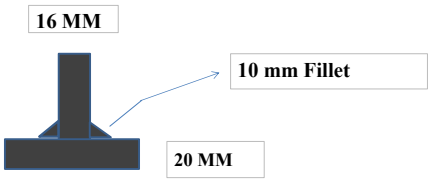
Employer's Signature **Inspection Authority**

WELDING PROSEDURE QUALIFICATION RECORDS

Manufacture's Name & Address:	Global Steel Structures Pvt. Ltd , Kuchavaram Village, Toopran Mandal, Medak Dist., Telangana
Name of the Project	1.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT AARADHYA TOWER, AT PIPE LINE ROAD TILAK NAGAR IN M/W WARD. 2.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT SARVODAY BHUDHA VIHAR, AT PIPE LINE ROAD TILAK NAGR IN M/W WARD.
Description of Weld Joint:	10 MM FILLET
Drawing no:	MCGM-217/AARADHYA TOWER-BR/SUP/217201
WPSS No:	GSSPL/24/JSL/WPSS-1/SAW/02
Sample No:	AK02
Welder's Name:	AKASH KUMAR
Dimension Of Test Pieces:	20X150X300 + 16X150X300
Base Metal:	IRS 350CR
Welding Process:	SAW
Welding Position:	1F
Provision of Run On-Run off	YES
Welding Current:Type/Polarity.	DC & RP



Joint Details With Sketch



Electrodes / Wire:

Class	Dia. (mm)	Type.	Brand	Drying Method
AWS A5.9	4.0	COPPER COATED MILD STEEL WIRE	GEE SAW 309L	NA

Flux & Shielding Gas:

Class	Type	Brand	Drying Temp (°C)	Shielding Gas
AWS A5.9	Agglomerated	GEE FLUX 303	300-350 for one Hours	NA

Welding Parameter:

Welding Pass No.	Electrode/Wire Dia. (mm)	Current (amp)	Arc Voltage (volt)	Travel Speed (cm/min)	Electrode Stick out (mm)	Shielding Gas Flow Rate (Ltr./min)
1	4.0	475-485	28-30	36-40	15-20	NA

Approved Test Results (Covers Thickness Range of WPSS)

Visual:	Satisfactory
DP Test:	Satisfactory
Macro Examination:	Satisfactory
Fillet Weld Fracture:	Satisfactory
NOTE : This WPQR cover for thickness 0.75t to 2t.	

GLOBAL STEEL STRUCTURES PRIVATE LIMITED HYD

Employer's Signature

Gulf Laboratories Industrial Services (INDIA) Pvt. Ltd. INSPECTION ENGINEER ISI-IN-1885

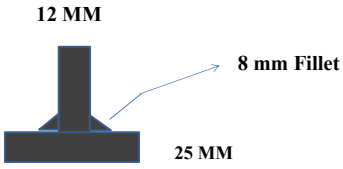
Inspection Authority

WELDING PROSEDURE QUALIFICATION RECORDS

Manufacture's Name & Address:	Global Steel Structures Pvt. Ltd , Kuchavaram Village, Toopran Mandal, Medak Dist., Telangana
Name of the Project	1.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT AARADHYA TOWER, AT PIPE LINE ROAD TILAK NAGAR IN M/W WARD. 2.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT SARVODAY BHUDHA VIHAR, AT PIPE LINE ROAD TILAK NAGR IN M/W WARD.
Description of Weld Joint:	8 MM FILLET
Drawing no:	MCGM-217/AARADHYA TOWER-BR/SUP/217201
WPSS No:	GSSPL/24/JSL/WPSS-1/FCAW/03
Sample No:	PR03
Welder's Name:	PINTO RAJ BHAR
Dimension Of Test Pieces:	12X150X300 + 25X150X300
Base Metal:	IRS 350CR
Welding Process:	FCAW
Welding Position:	2F
Provision of Run On-Run off	YES
Welding Current:Type/Polarity.	DC & RP



Joint Details With Sketch



Electrodes / Wire:

Class	Dia. (mm)	Type.	Brand	Drying Method
AWS/SFA 5.22	1.2	FLUX CORED MIG WIRE	GFC 309L	NA

Flux & Shielding Gas:

Class	Type	Brand	Drying Temp (°C)	Shielding Gas
NA	NA	NA	NA	CO_2

Welding Parameter:

Welding Pass No.	Electrode/Wire Dia. (mm)	Current (amp)	Arc Voltage (volt)	Electrode Stick out (mm)	Shielding Gas Flow Rate (Ltr./min)
1	1.2	210-220	24-26	15-17	15-18
2	1.2	220-240	24-26	15-18	15-18

Approved Test Results (Covers Thickness Range of WPSS)

Visual:	Satisfactory
DP Test:	Satisfactory
Macro Examination:	Satisfactory
Fillet Weld Fracture:	Satisfactory
NOTE : This WPQR cover for thickness 0.75t to 2t.	

GLOBAL STEEL STRUCTURES PRIVATE LIMITED HYD

Employer's Signature

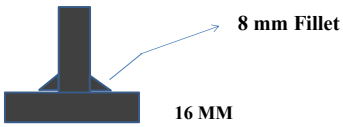
Global Industrial Services (INDIA) Pvt. Ltd. INSPECTION ENGINEER CIS-IN-1885

Inspection Authority

WELDING PROSEDURE QUALIFICATION RECORDS

Manufacture's Name & Address:	Global Steel Structures Pvt. Ltd., Kuchavaram Village, Toopran Mandal, Medak Dist., Telangana
Name of the Project	1 .WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT AARADHYA TOWER, AT PIPE LINE ROAD TILAK NAGAR WW WARD. 2.WIDENING RECONSTRUCTION OF BRIDGE ON NALLA AT SARVODAY BHUDHA VIHAR-AT PIPE LINE ROAD TILAK NAGAR IN M/W WARD
Description of Weld Joint:	8 MM FILLET
Drawing no:	MCGM-217/AARADHYA TOWER-BR/SUP/217201
WPSS No:	GSSPL/24/JSL/WPSS-1/FCAW/04
Sample No:	SY05
Welder's Name:	SANJAY YADAV
Dimension Of Test Pieces:	20X150X300 + 20X150X300
Base Metal:	IRS 350CR
Welding Process:	FCAW
Welding Position:	2F
Provision of Run On-Run off	YES
Welding Current:Type/Polarity.	DC & RP
Joint Details With Sketch	





Electrodes / Wire:

Class	Dia. (mm)	Type.	Brand	Drying Method
AWS/SFA 5.22	1.2	FLUX CORED MIG WIRE	GFC 309L	NA

Flux & Shielding Gas:

Class	Type	Brand	Drying Temp (°C)	Shielding Gas
NA	NA	NA	NA	CO_2

Welding Parameter:

Welding Pass No.	Electrode/Wire Dia. (mm)	Current (amp)	Arc Voltage (volt)	Electrode Stick out (mm)	Shielding Gas Flow Rate (Ltr./min)
1	1.2	210-220	24-26	15-17	15-18
2	1.2	220-240	24-26	15-18	15-18

Approved Test Results (Covers Thickness Range of WPSS)

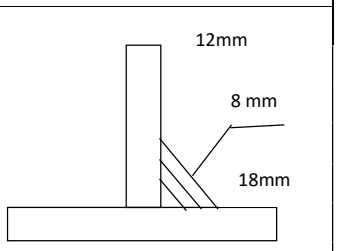
Visual:	Satisfactory
DP Test:	Satisfactory
Macro Examination:	Satisfactory
Fillet Weld Fracture:	Satisfactory
NOTE : This WPQR cover for thickness 0.75 t to 2t.	

Employer's Signature

Inspection Authority

WELDER 'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)	
Designation	IS:7310 (Pt-I)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL	
WPQR No.	GSSPL/WPQR/SAW/001	
Drawing number	RDSO/B-10406(Alt-6)	
Type of Girder	Bow String Girder	
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/01	
Model WPSS Reference	NA	
Welder Name	Bharath Kumar	
Sample Identification	GSSPL/203/BK01	
Method of Identification	ID Card	
Date and Place of Birth	01-01-1997, Sultanpur, Uttar Pradesh	
Employer	M/S Global Steel Structures Pvt Ltd	
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)	
Job Knowledge	Acceptable	

	Test Piece	Range of Qualification	
Welding Process	SAW	SAW	
Transfer Mode	NA	NA	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Solid Wire	Solid Wire	
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	
Current (Amp)	480-500	450 - 550	
Voltage (V)	28 - 30	26 - 32	
Travel Speed (m/mint.)	40 - 45 cm/min	34 - 51 cm/min	
Shielding gas	NA	NA	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	12 X 18	S ≥ 3 mm	
Deposited Thickness (mm)	8 mm Fillet	Single Layer (SL ≤ 8 mm)/Multi Layer (ML > 8 mm)	
Welding Position	PA	PA	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Single Layer (ML)	Single Layer (SL ≤ 8 mm)	

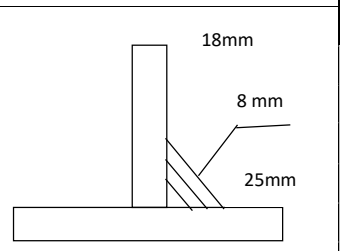
Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kuchavaram, Telangana,

WELDER 'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)		
Designation	IS:7310 (Pt-I)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL		
WPQR No.	GSSPL/WPQR/SAW/002		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/02,03		
Model WPSS Reference	NA		
Welder Name	Laxman Kumar		
Sample Identification	GSSPL/203/LK02		
Method of Identification	ID Card		
Date and Place of Birth	05-12-1992, Govindpur, Bihar		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		
	Test Piece	Range of Qualification	
Welding Process	SAW	SAW	
Transfer Mode	NA	NA	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Solid Wire	Solid Wire	
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	
Current (Amp)	480-500	450 - 550	
Voltage (V)	28 - 30	26 - 32	
Travel Speed (m/mint.)	40 - 45 cm/min	34 - 51 cm/min	
Shielding gas	NA	NA	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	18 X 25	S ≥ 3 mm	
Deposited Thickness (mm)	8 mm Fillet	Single Layer (SL ≤ 8 mm)	
Welding Position	PA	PA	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Single Layer (ML)	Single Layer (SL ≤ 8 mm)	

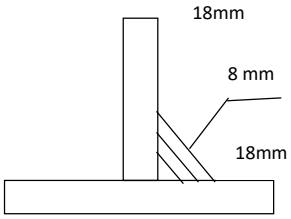
Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/S Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

WELDER 'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)		
Designation	IS:7310(Pt-1)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL		
WPQR No.	GSSPL/WPQR/SAW/003		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/04		
Model WPSS Reference	NA		
Welder Name	Akash Kumar		
Sample Identification	GSSPL/203/AK03		
Method of Identification	ID Card		
Date and Place of Birth	01-01-2000, Tahirpur, Uttar Pradesh		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		
	Test Piece	Range of Qualification	
Welding Process	SAW	SAW	
Transfer Mode	NA	NA	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Solid Wire	Solid Wire	
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020	
Current (Amp)	480-500	450 - 550	
Voltage (V)	28 - 30	27 - 31	
Travel Speed (m/mint.)	40 - 45 cm/min	34 - 51 cm/min	
Shielding gas	NA	NA	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	18 X 18	S ≥ 3 mm	
Deposited Thickness (mm)	8 mm Fillet	Single Layer (SL ≤ 8 mm)	
Welding Position	PA	PA	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Single Layer (ML)	Single Layer (SL ≤ 8 mm)	

Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

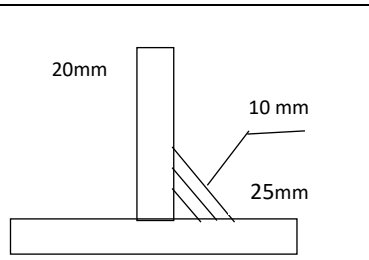
Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)	
Designation	IS:7310(Pt-1)/2019-136-P-FW-1(1.2)-B-S10-PB-SS-NB-ML	
WPQR No.	GSSPL/WPQR/FCAW/004	
Drawing number	RDSO/B-10406(Alt-6)	
Type of Girder	Bow String Girder	
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/FCAW/08	
Welder Name	Shivadayal	
Sample Identification	GSSPL/203/SD04	
Method of Identification	ID Card	
Date and Place of Birth	01-03-2007, Uttar Pradesh	
Employer	M/S Global Steel Structures Pvt Ltd	
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)	
Job Knowledge	Acceptable	

	Test Piece	Range of Qualification	
Welding Process	FCAW	FCAW	
Transfer Mode	Globular transfer mode	Globular transfer mode	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Flux Cored Wire	Flux Cored Wire	
Filler Material (Designation)	Class-I of IRS-M:46/2020	Class-I of IRS-M:46/2020	
Current (Amp)	220 - 230	200 - 250	
Voltage (V)	26 - 28	25 - 29	
Travel Speed (m/min.)	NA	NA	
Shielding gas	CO_2	CO_2	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	25X20	S ≥ 3 mm	
Deposited Thickness (mm)	10 mm Fillet	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	
Welding Position	PB	PA & PB	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Multi Layer (ML)	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	

Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

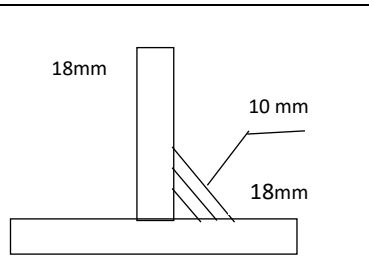
Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kacharam, Telangana,

3363402(2)/2024/OEDM&CAM/RDSO'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)	
Designation	IS:7310(Pt-1)/2019-136-P-FW-1(1.2)-B-S10-PB-SS-NB-ML	
WPQR No.	GSSPL/WPQR/FCAW/005	
Drawing number	RDSO/B-10406(Alt-6)	
Type of Girder	Bow String Girder	
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/FCAW/13, 18	
Welder Name	Nandoo Kumar	
Sample Identification	GSSPL/203/NK05	
Method of Identification	ID Card	
Date and Place of Birth	02-02-2000, Uttar Pradesh	
Employer	M/S Global Steel Structures Pvt Ltd	
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)	
Job Knowledge	Acceptable	

	Test Piece	Range of Qualification	
Welding Process	FCAW	FCAW	
Transfer Mode	Globular transfer mode	Globular transfer mode	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Flux Cored Wire	Flux Cored Wire	
Filler Material (Designation)	Class-I of IRS-M:46/2020	Class-I of IRS-M:46/2020	
Current (Amp)	220 - 230	200-250	
Voltage (V)	26 - 28	25-29	
Travel Speed (m/min.)	NA	NA	
Shielding gas	CO_2	CO_2	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	18 X 18	S ≥ 3 mm	
Deposited Thickness (mm)	10 mm Fillet	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	
Welding Position	PB	PA & PB	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Multi Layer (ML)	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	

Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

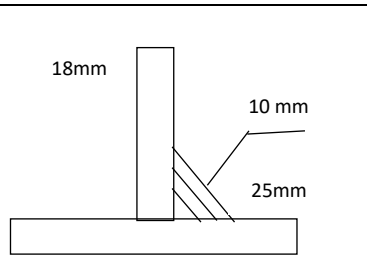
Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)		
Designation	IS:7310(Pt-1)/2019-136-P-FW-1(1.2)-B-S10-PB-SS-NB-ML		
WPQR No.	GSSPL/WPQR/FCAW/006		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/FCAW/17,19		
Welder Name	Vinod Kumar		
Sample Identification	GSSPL/203/VK06		
Method of Identification	ID Card		
Date and Place of Birth	02-02-2000, Uttar Pradesh		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		

	Test Piece	Range of Qualification	
Welding Process	FCAW	FCAW	
Transfer Mode	Globular transfer mode	Globular transfer mode	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Flux Cored Wire	Flux Cored Wire	
Filler Material (Designation)	Class-I of IRS-M:46/2020	Class-I of IRS-M:46/2020	
Current (Amp)	220 - 230	200-250	
Voltage (V)	26 - 28	25-29	
Travel Speed (m/min.)	NA	NA	
Shielding gas	CO_2	CO_2	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	18 X 25	S ≥ 3 mm	
Deposited Thickness (mm)	10 mm Fillet	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	
Welding Position	PB	PA & PB	
Weld Details (FW/BW)	Fillet Weld (FW)	Fillet Weld (FW)	
Multi-Layer/Single Layer	Multi-Layer (ML)	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	

Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

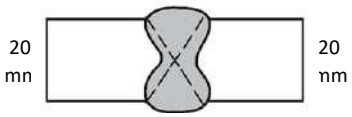
Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of New BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 203(ROB) @ Ch: 87585.000 M to be constructed as 1X48.00m Bow String Steel Girder over Road between Siddipet & Siricilla Stations (New Line)		
Designation	IS:7310(Pt-1)/2019-136-P-BW-1(1.2)-B-S20-PA-SS-NB-ML		
WPQR No.	GSSPL/WPQR/FCAW/007		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/FCAW/06		
Welder Name	Nandoo Kumar		
Sample Identification	GSSPL/203/NK07		
Method of Identification	ID Card		
Date and Place of Birth	02-02-2000, Uttar Pradesh		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1) : 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		

	Test Piece	Range of Qualification	
Welding Process	FCAW	FCAW	
Transfer Mode	Globular transfer mode	Globular transfer mode	
Product Type (Plate or Pipe)	Plate	Plate	
Type of Weld	Fillet Weld (FW)	Fillet Weld (FW)	
Parent Material Group(s)	Group - 1/Sub Group - 1.2	Group - 1/Sub Group - 1.2	
Filler Material Group	Flux Cored Wire	Flux Cored Wire	
Filler Material (Designation)	Class-I of IRS-M:46/2020	Class-I of IRS-M:46/2020	
Current (Amp)	220-230	200-250	
Voltage (V)	26-28	25-29	
Travel Speed (m/mint.)	NA	NA	
Shielding gas	CO_2	CO_2	
Auxiliaries	NA	NA	
Type of Current and Polarity	DCEP & Reverse	DCEP & Reverse	
Material Thickness (mm)	20X20	S ≥ 3 mm	
Deposited Thickness (mm)	20 mm Butt Weld	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	
Welding Position	PA	PA	
Weld Details (FW/BW)	Fillet Weld (FW)	Butt Weld (BW)	
Multi-Layer/Single Layer	Multi-Layer (ML)	Single Layer (SL ≤ 6 mm)/Multi-Layer (ML > 6 mm)	



Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Ultrasonic Testing	✓	
Fracture Test		✓
Bend Test	✓	
Notch Tensile Test		✓
Macroscopic Examination	✓	

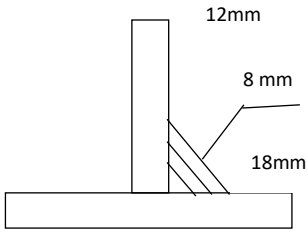
Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner:
Date of Issue: Abhishek 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/s Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana.

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of new BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 204(ROB) @ Ch: 88220.000 M to be Constructed as 1X48.00m Bow String Steel Girder Over Road between Siddipet & Siricilla Stations (New Line).		
Designation	IS:7310 (Pt-I)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL		
WPQR No.	GSSPL/WPQR/SAW/001		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/01		
Model WPSS Reference	NA		
Welder Name	Bharath Kumar		
Sample Identification	GSSPL/204/BK01		
Method of Identification	ID Card		
Date and Place of Birth	01-01-1997, Sultanpur, Uttar Pradesh		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		
	Test Piece		Range of Qualification
Welding Process	SAW		SAW
Transfer Mode	NA		NA
Product Type (Plate or Pipe)	Plate		Plate
Type of Weld	Fillet Weld (FW)		Fillet Weld (FW)
Parent Material Group(s)	Group - 1/Sub Group - 1.2		Group - 1/Sub Group - 1.2
Filler Material Group	Solid Wire		Solid Wire
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020		Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020
Current (Amp)	480-500		450 - 550
Voltage (V)	28 - 30		26 - 32
Travel Speed (m/mint.)	40 - 45 cm/min		34 - 51 cm/min
Shielding gas	NA		NA
Auxiliaries	NA		NA
Type of Current and Polarity	DCEP & Reverse		DCEP & Reverse
Material Thickness (mm)	12 X 18		S ≥ 3 mm
Deposited Thickness (mm)	8 mm Fillet		Single Layer (SL ≤ 8 mm)/Multi Layer (ML > 8 mm)
Welding Position	PA		PA
Weld Details (FW/BW)	Fillet Weld (FW)		Fillet Weld (FW)
Multi-Layer/Single Layer	Single Layer (ML)		Single Layer (SL ≤ 8 mm)



Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

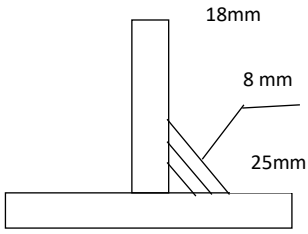
Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

GLOBAL STEEL STRUCTURES PRIVATE LIMITED Kucharam

M/s Global Steel Structures Pvt. Ltd.,
Address: Kuchavaram, Telangana,

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of new BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 204(ROB) @ Ch: 88220.000 M to be Constructed as 1X48.00m Bow String Steel Girder Over Road between Siddipet & Siricilla Stations (New Line).		
Designation	IS:7310 (Pt-I)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL		
WPQR No.	GSSPL/WPQR/SAW/002		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/02,03		
Model WPSS Reference	NA		
Welder Name	Laxman Kumar		
Sample Identification	GSSPL/204/LK02		
Method of Identification	ID Card		
Date and Place of Birth	05-12-1992, Govindpur, Bihar		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		
	Test Piece		Range of Qualification
Welding Process	SAW		SAW
Transfer Mode	NA		NA
Product Type (Plate or Pipe)	Plate		Plate
Type of Weld	Fillet Weld (FW)		Fillet Weld (FW)
Parent Material Group(s)	Group - 1/Sub Group - 1.2		Group - 1/Sub Group - 1.2
Filler Material Group	Solid Wire		Solid Wire
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020		Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020
Current (Amp)	480-500		450 - 550
Voltage (V)	28 - 30		26 - 32
Travel Speed (m/mint.)	40 - 45 cm/min		34 - 51 cm/min
Shielding gas	NA		NA
Auxiliaries	NA		NA
Type of Current and Polarity	DCEP & Reverse		DCEP & Reverse
Material Thickness (mm)	18 X 25		S ≥ 3 mm
Deposited Thickness (mm)	8 mm Fillet		Single Layer (SL ≤ 8 mm)
Welding Position	PA		PA
Weld Details (FW/BW)	Fillet Weld (FW)		Fillet Weld (FW)
Multi-Layer/Single Layer	Single Layer (ML)		Single Layer (SL ≤ 8 mm)



Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

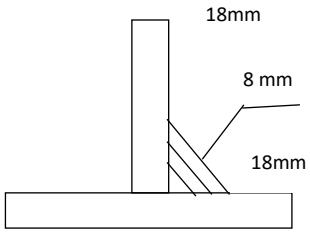
Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

M/S Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

WELDER'S QUALIFICATION TEST CERTIFICATE

Project Detail	Construction of new BG line between Manohabad & Kothapalli Stations. Proposed Bridge No. 204(ROB) @ Ch: 88220.000 M to be Constructed as 1X48.00m Bow String Steel Girder Over Road between Siddipet & Siricilla Stations (New Line).		
Designation	IS:7310(Pt-1)/2019-121-P-FW-1(1.2)-S-S8-PA-SS-NB-SL		
WPQR No.	GSSPL/WPQR/SAW/003		
Drawing number	RDSO/B-10406(Alt-6)		
Type of Girder	Bow String Girder		
WPSS Reference	GSSPL/PIL/48.0M/BSG/WPSS/SAW/04		
Model WPSS Reference	NA		
Welder Name	Akash Kumar		
Sample Identification	GSSPL/204/AK03		
Method of Identification	ID Card		
Date and Place of Birth	01-01-2000, Tahirpur, Uttar Pradesh		
Employer	M/S Global Steel Structures Pvt Ltd		
Code/ Testing Standard	IS 7310 (Pt-1): 2019 & IS 7307 (Part-1)		
Job Knowledge	Acceptable		
	Test Piece		Range of Qualification
Welding Process	SAW		SAW
Transfer Mode	NA		NA
Product Type (Plate or Pipe)	Plate		Plate
Type of Weld	Fillet Weld (FW)		Fillet Weld (FW)
Parent Material Group(s)	Group - 1/Sub Group - 1.2		Group - 1/Sub Group - 1.2
Filler Material Group	Solid Wire		Solid Wire
Filler Material (Designation)	Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020		Class – W2 to IRS:M-39/2020 Class – F2 to IRS:M-39/2020
Current (Amp)	480-500		450 - 550
Voltage (V)	28 - 30		27 - 31
Travel Speed (m/mint.)	40 - 45 cm/min		34 - 51 cm/min
Shielding gas	NA		NA
Auxiliaries	NA		NA
Type of Current and Polarity	DCEP & Reverse		DCEP & Reverse
Material Thickness (mm)	18 X 18		S ≥ 3 mm
Deposited Thickness (mm)	8 mm Fillet		Single Layer (SL ≤ 8 mm)
Welding Position	PA		PA
Weld Details (FW/BW)	Fillet Weld (FW)		Fillet Weld (FW)
Multi-Layer/Single Layer	Single Layer (ML)		Single Layer (SL ≤ 8 mm)



Type of Test	**Accepted**	**Not Tested**
Visual Testing/DPT	✓	
Radiographic Testing		✓
Fracture Test	✓	
Bend Test		✓
Notch Tensile Test		✓
Macroscopic Examination	✓	

Name of Examiner or Examination Body:
Mr. Abhishek Kr. Pandit, MS/R/M&C, RDSO
Place: M/S Global Steel Structures Pvt. Ltd.
Date of Test: 12-11-2024
Signature of Examiner: Abhishek
Date of Issue: 29/11/2024

Revalidation 9.3 c)	Validity of Approval Unit
NA	Six months from the date of issue.

GLOBAL STEEL STRUCTURES PRIVATE LIMITED Kucharam

M/s Global Steel Structures Pvt. Ltd.,
Address: Kucharam, Telangana,

National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

KVS METALLURGICAL LABS PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

PLOT NO.47, SHOP NO.4, TIE BALANAGAR, HYDERABAD, MEDCHAL MALKAJGIRI, TELANGANA, INDIA

in the field of

TESTING

Certificate Number: TC-9035

Issue Date: 07/10/2024 **Valid Until:** 06/10/2028

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of thislaboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: KVS METALLURGICAL LABS PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer