

On Site Test Results for WPQR

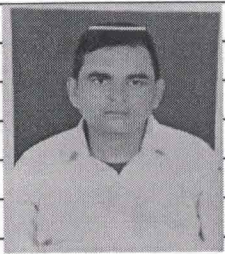
Date:05/08/2024

Work details: - Upgradation to four lane with paved shoulder of NH-341 from Bhimasagar, Junction of NH-41 to ANJAR-BHUJ up to Airport Junction, KM 0.000 to KM 65.478 in the State of GUJARAT on Hybrid Annuity Mode...																
Fabricator: - M/S APEX BUILDSYS LTD. UMRED																
Material: IS 2062:2011(Ra2016) Gr. E-350 to IS 2062:2011(Ra2016) Gr. E-350																
SR. NO	SAMPLE-ID	WELD PROCE SS	WELDER NAME	WELD SIZE mm	FILLET MACRO MEASUREMENT										DPT TEST	FRACTUE TEST
					MACRO-1				MACRO-2							
					Horizontal Leg length	Vertical Leg length	Throat	Root pen.	Observation	Horizon tal Leg length	Vertical Leg length	Throat	Root pen.	Observation		
1.	PS/01	SAW	Pramod Adinath Saptol	12mm	14.7	14.2	9.4	2.4	Satisfactory	14.4	14.2	9.5	2.5	Satisfactory	Satisfactory	
2.	HT/01	SAW	Hiralal Dorial Taliya	12mm	13.8	14.0	9.2	2.6	Satisfactory	13.9	13.7	9.9	2.6	Satisfactory	Satisfactory	
3.	RY/03	GMAW	Rajesh Kumar Yadav	8mm	9.9	10.3	6.3	2.4	Satisfactory	9.7	9.5	6.7	2.5	Satisfactory	Satisfactory	
4.	RY/04	GMAW	Rajesh Kumar Yadav	12mm	14.8	14.5	9.9	2.6	Satisfactory	13.7	14.3	9.9	2.4	Satisfactory	Satisfactory	
5.	RB/05	GMAW	Raju Bhulan Baitha	8mm	8.9	10.2	6.8	2.5	Satisfactory	9.7	10.0	7.1	2.4	Satisfactory	Satisfactory	
6.	RB/06	GMAW	Raju Bhulan Baitha	12mm	13.8	13.9	9.4	2.6	Satisfactory	14.2	14.6	10.0	2.5	Satisfactory	Satisfactory	
7.	MK/07	GMAW	Mantu Kumar	8mm	9.5	9.8	7.2	2.4	Satisfactory	9.2	9.1	6.8	2.5	Satisfactory	Satisfactory	
8.	MK/08	GMAW	Mantu Kumar	12mm	14.5	14.3	10.2	2.5	Satisfactory	13.9	14.7	9.9	2.3	Satisfactory	Satisfactory	
9.	DR/09	GMAW	Dilip Kumar Rajbhar	8mm	10.6	10.1	7.2	2.6	Satisfactory	9.7	9.5	6.5	2.5	Satisfactory	Satisfactory	
10.	DR/10	GMAW	Dilip Kumar Rajbhar	12mm	13.8	14.4	10.3	2.4	Satisfactory	13.8	14.2	9.7	2.4	Satisfactory	Satisfactory	
11.	KR/11	GMAW	Kanhaiya Lal Rajbhar	8mm	9.7	9.3	6.8	2.5	Satisfactory	10.2	10.3	6.9	2.3	Satisfactory	Satisfactory	
12	KR/12	GMAW	Kanhaiya Lal Rajbhar	12mm	14.9	14.6	10.4	2.5	Satisfactory	14.8	14.1	9.4	2.4	Satisfactory	Satisfactory	
STUD WELDING					RING TEST					BEND TEST					N. A	N. A
13.	LY/13	DSAW	Lalu Yadav	7mm	Satisfactory					Satisfactory					N. A	N. A

Sany 05/08/24.
ACMT/EWS/SBI

Paw Singh
05/08/24.
CMA/QCL/EWS/SBI

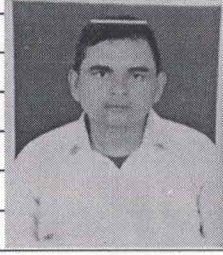
Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/01		
WPSS Reference	APEX/GR/ROB/30.00/GMAW/03 REV0		
	APEX/GR/ROB/30.00/GMAW/07 REV0		
	APEX/GR/ROB/30.00/GMAW/08 REV0		
	APEX/GR/ROB/30.00/GMAW/09 REV0		
Welder Name	Rajesh Kumar Yadav		
Sample Identification	RY/03		
Method of identification	MARK ON SAMPLE		
Aadhar No.	263343463772		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge: Acceptable	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	12 X 20 mm	≥3mm	
Deposited thickness (mm)	8 mm Fillet	SL: ≥8mm	
Welding position	PB (2F)	PA (1F), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Single -Layer (SL)	Single Layer (SL)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	<i>Satisfactory</i> <i>Satisfactory</i> <i>Satisfactory</i> <i>Satisfactory</i>	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing		Date of Test: 02.08.2024	
Fracture test		Signature of Examiner:	
Macroscopic examination		Date of Inspection 03/08/24	

Ray
05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इ.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/02		
WPSS Reference	APEX/GR/ROB/30.00/GMAW/04 REV0		
Welder Name	Rajesh Kumar Yadav		
Sample Identification	RY/04		
Method of identification	MARK ON SAMPLE		
Aadhar No.	263343463772		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge: Acceptable	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	20 X 25 mm	≥3mm	
Deposited thickness (mm)	12 mm Fillet	SL: S ≤8 mm, ML: ≥10mm	
Welding position	PB (2F)	PA (IF), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Multi-Layer (ML)	Single Layer (SL), Multi-Layer (ML)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024	
Fracture test	Satisfactory	Signature of Examiner:	
Macroscopic examination	Satisfactory.	Date of Inspection 03/08/24	

05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इ.का.) सावरपती, प. रे.
ACMT (EW) SSI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/03		
WPSS Reference	APEX/GR/ROB/36.00/GMAW/03 REV0		
	APEX/GR/ROB/36.00/GMAW/06 REV0		
	APEX/GR/ROB/36.00/GMAW/07 REV0		
	APEX/GR/ROB/36.00/GMAW/08 REV0		
Welder Name	Raju Bhulan Baitha		
Sample Identification	RB/05		
Method of identification	MARK ON SAMPLE		
Aadhar No.	471853560160		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge: Acceptable	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	12 X 16 mm	≥3mm	
Deposited thickness (mm)	8 mm Fillet	SL: ≥8mm	
Welding position	PB (2F)	PA (IF), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Single -Layer (SL)	Single Layer (SL)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	Satisfactory Satisfactory Satisfactory Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing		Date of Test: 02.08.2024	
Fracture test		Signature of Examiner:	
Macroscopic examination		Date of Inspection 03/08/24	

Conf 05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/04	
WPSS Reference	APEX/GR/ROB/30.00/GMAW/05 REV0	
Welder Name	Raju Bhulan Baitha	
Sample Identification	RB/06	
Method of identification	MARK ON SAMPLE	
Aadhar No.	471853560160	
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Code/testing standard	IS 7310-2019, P-I	
Job knowledge:	Acceptable	
Parameters	Test Piece	Range of Qualification
Welding process	131 (GMAW)	131 (GMAW)
Transfer mode	Globular transfer	Globular transfer
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	20 X 25 mm	≥3mm
Deposited thickness (mm)	12 mm Fillet	SL: S ≤8 mm, ML: ≥10mm
Welding position	PB (2F)	PA (1F), PB (2F)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Multi-Layer (ML)	Single Layer (SL), Multi-Layer (ML)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	<i>Satisfactory</i> <i>Satisfactory</i> <i>Satisfactory</i> <i>Satisfactory</i>	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing		Date of Test: 02.08.2024
Fracture test		Signature of Examiner:
Macroscopic examination		Date of Inspection <i>03/08/24</i>

Saty
05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/05		
WPSS Reference	APEX/GR/BHAN/45.00/GMAW/03 REV0		
	APEX/GR/BHAN/45.00/GMAW/04 REV0		
	APEX/GR/BHAN/45.00/GMAW/05 REV0		
	APEX/GR/BHAN/45.00/GMAW/06 REV0		
Welder Name	Mantu Kumar		
Sample Identification	MK/07		
Method of identification	MARK ON SAMPLE		
Aadhar No.	297194672310		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge:	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	16 X 20 mm	≥3mm	
Deposited thickness (mm)	8 mm Fillet	SL: ≥8mm	
Welding position	PB (2F)	PA (1F), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Single -Layer (SL)	Single Layer (SL)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing		Date of Test: 02.08.2024	
Fracture test		Signature of Examiner:	
Macroscopic examination		Date of Inspection 03/08/24	

05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इ.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

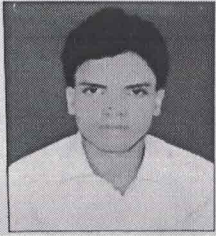
Welder's Qualification Test Certificate		
WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/06	
WPSS Reference	APEX/GR/ROB/30.00/GMAW/06 REV0	
Welder Name	Mantu Kumar	
Sample Identification	MK/08	
Method of identification	MARK ON SAMPLE	
Aadhar No.	297194672310	
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Code/testing standard	IS 7310-2019, P-I	
Job knowledge:	Acceptable	
Parameters	Test Piece	Range of Qualification
Welding process	131 (GMAW)	131 (GMAW)
Transfer mode	Globular transfer	Globular transfer
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	16 X 20 mm	≥3mm
Deposited thickness (mm)	12 mm Fillet	SL: S ≤8 mm, ML: ≥12mm
Welding position	PB (2F)	PA (IF), PB (2F)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Multi-Layer (ML)	Single Layer (SL), Multi-Layer (ML)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	Satisfactory Satisfactory Satisfactory Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing		Date of Test: 02.08.2024
Fracture test		Signature of Examiner:
Macroscopic examination		Date of Inspection



Tanu 05/08/24

सहायक रसायन व धातुकर्म अधिकारी
 (इ.का.) साबरमती, प. रे.
 ACMT (EW) SBI, W. R.

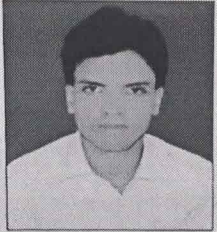
Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/07		
WPSS Reference	APEX/GR/BHAN/45.00/GMAW/07 REV0		
	APEX/GR/ROB/45.00/GMAW/03 REV0		
	APEX/GR/ROB/45.00/GMAW/04 REV0		
	APEX/GR/ROB/45.00/GMAW/05 REV0		
Welder Name	Dilip Kumar Rajbhar		
Sample Identification	DR/09		
Method of identification	MARK ON SAMPLE		
Aadhar No.	532497310482		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge: Acceptable	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	12 X 12 mm	≥3mm	
Deposited thickness (mm)	8 mm Fillet	SL: ≥8mm	
Welding position	PB (2F)	PA (1F), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Single -Layer (SL)	Single Layer (SL)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024	
Fracture test	Satisfactory	Signature of Examiner:	
Macroscopic examination	Satisfactory	Date of Inspection 03/08/24	

05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(हं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/08		
WPSS Reference	APEX/GR/ROB/36.00/GMAW/04 REV0		
Welder Name	Dilip Kumar Rajbhar		
Sample Identification	DR/10		
Method of identification	MARK ON SAMPLE		
Aadhar No.	532497310482		
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)		
Code/testing standard	IS 7310-2019, P-I		
Job knowledge:	Acceptable		
Parameters	Test Piece	Range of Qualification	
Welding process	131 (GMAW)	131 (GMAW)	
Transfer mode	Globular transfer	Globular transfer	
Product type	Plate	Plate	
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)	
Parent material group/subgroup	E350 B0	E350 B0	
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm	
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I	
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI	
Auxiliaries	N.A.	N.A.	
Type of current and polarity	DCEP	DCEP	
Material thickness (mm)	12 X 20 mm	≥3mm	
Deposited thickness (mm)	12 mm Fillet	SL: S ≤8 mm, ML: ≥10mm	
Welding position	PB (2F)	PA (1F), PB (2F)	
Weld details	Fillet Welding (FW)	Fillet Welding (FW)	
Multi-layer/single layer	Multi-Layer (ML)	Single Layer (SL), Multi-Layer (ML)	
Type of test	Performed and accepted	Name of Examiner or Examining Body:	
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024	
Fracture test	Satisfactory	Signature of Examiner:	
Macroscopic examination	Satisfactory	Date of Inspection 03/08/24	

05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

-195-

Welder's Qualification Test Certificate

WPQR no WPQR/ABL/GMAW/BHAN/08-2024/09

WPSS Reference APEX/GR/ROB/45.00/GMAW/06 REV0
APEX/GR/ROB/45.00/GMAW/07 REV0

Welder Name Kanhaiya Lal Rajbhar

Sample Identification KR/11

Method of identification MARK ON SAMPLE

Aadhar No. 899932788312

Employer M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)

Code/testing standard IS 7310-2019, P-I

Job knowledge: Acceptable



Parameters	Test Piece	Range of Qualification
Welding process	131 (GMAW)	131 (GMAW)
Transfer mode	Globular transfer	Globular transfer
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	12 X 12 mm	≥3mm
Deposited thickness (mm)	8 mm Fillet	SL: <u>≤8</u>
Welding position	PB (2F)	PA (1F), PB (2F)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Single -Layer (SL)	Single Layer (SL)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	<u>Satisfactory</u>	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing	<u>Satisfactory</u>	Date of Test: 02.08.2024
Fracture test	<u>Satisfactory</u>	Signature of Examiner:
Macroscopic examination	<u>Satisfactory</u>	Date of Inspection <u>03/08/24</u>

02/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/GMAW/BHAN/08-2024/10	
WPSS Reference	APEX/GR/ROB/36.00/GMAW/05 REV0	
Welder Name	Kanhaiya Lal Rajbhar	
Sample Identification	KR/12	
Method of identification	MARK ON SAMPLE	
Aadhar No.	899932788312	
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Code/testing standard	IS 7310-2019, P-I	
Job knowledge:	Acceptable	
Parameters	Test Piece	Range of Qualification
Welding process	131 (GMAW)	131 (GMAW)
Transfer mode	Globular transfer	Globular transfer
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid steel wire 1.2mm	Solid steel wire 1.2mm
Filler material (Designation)	IRSM-46 CL I	IRSM-46 CL I
Shielding gas	ISO 14175 Class CI	ISO 14175 Class CI
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	20 X 36 mm	≥3mm
Deposited thickness (mm)	12 mm Fillet	SL: S ≤8 mm, ML: ≥10mm
Welding position	PB (2F)	PA (1F), PB (2F)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Multi-Layer (ML)	Single Layer (SL), Multi-Layer (ML)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024
Fracture test	Satisfactory	Signature of Examiner:
Macroscopic examination	Satisfactory	Date of Inspection 03/08/24.

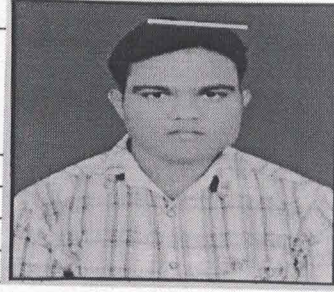


Can. 05/08/24.

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) सावरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

WPQR no	WPQR/ABL/SAW/BHAN/08-2024/11	
WPSS Reference	APEX/GR/ROB/30.00/SAW/01 REV0 APEX/GR/ROB/36.00/SAW/01 REV0 APEX/GR/BHAN/45.00/SAW/01 REV0 APEX/GR/ROB/45.00/SAW/01 REV0	
Welder Name	Pramod Adinath Saptol	
Sample Identification	PS/01	
Method of identification	MARK ON SAMPLE	
Aadhar No.	389782873215	
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Code/testing standard	IS 7310-2019, P-I	
Job knowledge:	Acceptable	
Parameters	Test Piece	Range of Qualification
Welding process	121 (SAW)	121 (SAW)
Transfer mode	N.A	N.A
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid Wire -4 mm	Solid Wire - 4 mm
Filler material (Designation)	IRSM-39 Class W1 & Flux – F1	IRSM-39 Class W1 & Flux – F1
Shielding gas	N.A	N.A
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	16X 36 mm	≥3mm
Deposited thickness (mm)	12 mm Fillet	SL: ≤12 mm
Welding position	PA	PA (IF)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Single Layer (SL)	Single Layer (SL)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024
Fracture test	Satisfactory	Signature of Examiner:
Macroscopic examination	Satisfactory	Date of Inspection 03/08/24.



Done
05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

Welder's Qualification Test Certificate

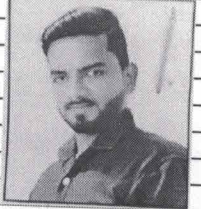
WPQR no	WPQR/ABL/SAW/BHAN/08-2024/12	
WPSS Reference	APEX/GR/ROB/30.00/SAW/02 REV0	
	APEX/GR/ROB/36.00/SAW/02 REV0	
	APEX/GR/BHAN/45.00/SAW/02 REV0	
	APEX/GR/ROB/45.00/SAW/02 REV0	
Welder Name	Hiralal Dorial Taliya	
Sample Identification	HT/02	
Method of identification	MARK ON SAMPLE	
Aadhar No.	346928982622	
Employer	M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)	
Code/testing standard	IS 7310-2019, P-I	
Job knowledge:	Acceptable	
Parameters	Test Piece	Range of Qualification
Welding process	121 (SAW)	121 (SAW)
Transfer mode	N.A	N.A
Product type	Plate	Plate
Type of weld	Fillet Welding (FW)	Fillet Welding (FW)
Parent material group/subgroup	E350 B0	E350 B0
Filler material group	Solid Wire - 4 mm	Solid Wire - 4 mm
Filler material (Designation)	IRSM-39 Class W1 & Flux - F1	IRSM-39 Class W1 & Flux - F1
Shielding gas	N.A	N.A
Auxiliaries	N.A.	N.A.
Type of current and polarity	DCEP	DCEP
Material thickness (mm)	16X 45 mm	≥3mm
Deposited thickness (mm)	12 mm Fillet	SL: ≤12 mm
Welding position	PA	PA (IF)
Weld details	Fillet Welding (FW)	Fillet Welding (FW)
Multi-layer/single layer	Single Layer (SL)	Single Layer (SL)
Type of test	Performed and accepted	Name of Examiner or Examining Body:
Visual testing	Satisfactory	Place: M/s Apex Buildsys Ltd. (Plot No-D3 Mohpa road Umred MIDC, Nagpur.)
Dye Penetration Testing	Satisfactory	Date of Test: 02.08.2024
Fracture test	Satisfactory	Signature of Examiner:
Macroscopic examination	Satisfactory	Date of Inspection 03/08/24.

Copy
05/08/24

सहायक रसायन व धातुकर्म अधिकारी
(इं.का.) साबरमती, प. रे.
ACMT (EW) SBI, W. R.

-191-

Welder's Qualification Test Certificate

Name & Address of Fabricator		M/s Apex Buildsys Ltd. Umred					
Name Of Works		UPGRADATION TO FOUR LANE WITH PAVED SHOULDER OF NH-341 FROM BHIMASAGAR , JUNCTION OF NH-41 TO ANJAR-BHUJ UPTO AIRPORT JUNCTION, KM 0.000 TO KM 65.478 IN THE STATE OF GUJRAT ON HYBRID ANNUITY MODE..					
WPQR NO:-		WPQR/ABL/GMAW/BHAN/08-2024/13					
1	Description of Weld Joint	Fillet - 7mm weld (stud on Top Flange of main Girder)					
2	WPSS No.	APEX/GR/ROB/30.00/DASW/10 REV0					
		APEX/GR/ROB/36.00/DASW/09 REV0					
		APEX/GR/BHAN/45.00/DASW/08 REV0					
		APEX/GR/ROB/45.00/DASW/08 REV0					
3	Name of Welder	LALU YADAV					
4	Date of preparation of test coupon	08-02-24					
5	Dimension of Test Piece	25x205 Stud on 36mm thick plate					
6	Base Metal	IS:2061:2011 E350 B0+ Shear Stud as per ISO-13918 SD1					
7	Welding Process	DOWNHAND					
8	Welding position	Downward					
9	Welding Current	Downward					
10	Code of testing						

Sample No.	Current	Time Micro (Sec.)	Type	DC	Fillet Size	Ring Test	Bend Test	Remark
			Polarity	Reverse				
1	1900-2250	1.4	Found in Range 198-200mm	=7mm	Passed	Passed	Passed	Stisfactory
2	1900-2250	1.4						
3	1900-2250	1.4						
4	1900-2250	1.4						
5	1900-2250	1.4						
6	1900-2250	1.4						
7	1900-2250	1.4						
8	1900-2250	1.4						
9	1900-2250	1.4						
10	1900-2250	1.4						
11	1900-2250	1.4						
12	1900-2250	1.4						
13	1900-2250	1.4						
14	1900-2250	1.4						
15	1900-2250	1.4						
16	1900-2250	1.4						
17	1900-2250	1.4						

Name of Examiner or Examining Body:-		Place: M/s Apex Buildsys Ltd. Umred	
Date of Test: 02/08/2024		Signature of Examiner	
Date of test insp. 02/08/24.			

Revalidation 9.3c	Validity of approval untill

Sanj 05/08/24
 सहायक रसायन व धातुकर्म अधिकारी
 (इ.का.) साबरमती, प. रे.
 ACMT (EW) SBI, W. R.