

Master Instrument Details			
Name	Digital Clamp Meter	Calibration date	31-07-2024
Make	Victor	Cert No	MKT/INT/152-01
Range	100864629	Cert No	30-07-2025
Environment Condition During Calibration on site	(23 ± 1.5)°C	Relative Humidity	(50 ± 10)%RH
Calibration Data:			

Name of the Customer	M/s. Patel Engineering Works Visakhapatnam.
Serial No	202001977(SAW30034491) (SAW)
Range	1250 Amps
Model No	MZ-1250
Make	Rilon
Name of the Instrument	WELDING MACHINE (Inverter)

Calculated Values of UUC				
Master Reading Values	X	Y	Z	
	(±) Average in Amps	(±) Deviation in Amps		
1	200	197	195	194
2	400	391	396	398
3	600	596	598	595
4	800	803	795	796
5	950	948	938	945

1. This Calibration certificate is applicable to the item calibrated only.
2. UUC Refers to Unit Under Calibration.
3. Physical condition of UUC is satisfactory.
4. Due date for next calibration is given as per the request of the customer.
5. All calibrations are traceable to national measurement standards as per the traceability details given in the calibration certificate.

Verified by
Mr. MD Murtvarudin
(Senior Engineer)



Mr. B Chandrasekhar
(Engineer)
Certified by

SHAHIK IBRAHIM, SON: CN=SHAIK IBRAHIM,
M=MRG ENGINEERING SERVICES (OPC) LTD.,
OU=MKT ENGINEERING SERVICES (OPC) LTD.,
L=TECHNICAL MARKETING, CIN=CGMALL.COM,
REASON: I have reviewed this document;
LOCATION: VISA KHA PATTANAM
DATE: 2024.10.03 12:48:00
+05:30.

1. This Calibration Certificate is applicable to the item calibrated only.

2. UUC Refers to Unit Under Calibration.

3. Physical condition of UUC is satisfactory.

4. Due date for next calibration is given as per the request of the customer.

5. All calibrations are traceable to national measurement standards as per the traceability details given in the calibration certificate.

Digitally signed by SHAIK
Signature Image

END OF CERTIFICATE



SR no.	Electrode	UUC reading in amps	Master Instrument Reading in amps	Remarks
1	E6013	E7018	E6013 (X1)	Pass/Fail (Y1) (Y2)
2	2.50	45 to 90	70 to 110	97 Pass
3	3.15	80 to 130	105 to 155	132 Pass
4	4.00	105 to 180	130 to 200	165 Pass

Calibration Data:

Master Instrument Details					Environmental Condition During Calibration on site	Temperature	Relative Humidity	(50 ± 10)%RH	
Name	Serial No.	Calibration date	Due on	Certificate No	Digital Clamp Meter	094644740	01-08-2024	31-07-2025	MKT/INT/23-013
					Environmental Condition During Calibration on site	(23 ± 1.5)°C	Relative Humidity	(50 ± 10)%RH	

Name of the Instrument	ARC Welding Rectifier	Model No	AWR-400	Mile	Allied	Range	400 Amps	Serial No	AWI-3380	Type of Calibration	MMAW	Name of the Customer	M/s. Patel Engineering Works Visakhapatnam.	Calibration Certificate No	MKT/EC/24-797	Date of Calibration	01-10-2024	Next Calibration Date	30-09-2025	Mr. MD Munvaruddin	Calibrated By
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CALIBRATION CERTIFICATE

UUC DETAILS
Name of the Instrument MIG WELDING MACHINE (Inverter)

Model No MIG CO2-400
Range 400 Amps

Type of Calibration Serial No AWI3916
Name of the Customer M/S. Patel Engineering Works Visakhapatnam.

Calibration Certificate No MKT/EC/24-801
Name M/S. Patel Engineering Works Visakhapatnam.

Date of Calibration 01-10-2024
Next Calibration Date 30-09-2025

Master Instrument Details
Certificate No Due on Calibration date Serial No. Name

Digital Clamp Meter	094644740	01-08-2024	31-07-2025	MKT/INT/23-013
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Environmental Condition During Calibration in Lab				
Temperature	(23 ± 1.5)°C	Relative Humidity	(50 ± 10)%RH	

Calibration Data:

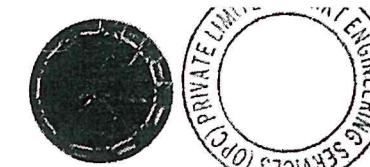
SL.No	Electrod e	Amps Set	UUC Reading (x)	Master Instrument Reading (y)	(±)Deviation in Amps	in Amps	in Amps	in Amps	Voltage in Amps
1	2.5	60	55	58	3	32	33	35	30
2	2.5	70	68	66	2	35	33	35	35
3	2.5	80	72	75	3	35	33	35	35
4	2.5	110	102	104	2	33	33	33	33
5	2.5	125	125	126	1	33	33	33	33
6	2.5	240	234	239	5	32	32	32	32
7	2.5	280	278	275	3	35	35	35	35

- Remarks:
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 3. Physical condition of UUC is satisfactory.
 4. Due date for next calibration is given as per the request of the customer.
 5. All calibrations are traceable to national measurement standards as per the traceability details given in the calibration certificate.

END OF CERTIFICATE

IBRAHIM
IBRAHIM
Digitally signed by SHAIK
DN: cn=SHAIKIBRAHM,
o=MKT ENGINEERING
SERVICES(OGP)PVT LTD.,
ou=MKT ENGINEERNG
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QUALIFICATION TEST RECORD (PARAMETER SITE)

Qualifications

R QUALIFICATION RECORD (PARAMETER SET)

WELDER NAME & WPS NO.	ID NO.	POSITION	PROCESS	Qualification			ELECTRICAL			WELDING SPEED			REMAF
				WELD PASSES	AMPS (A)	VOLTS (V)	GAS FLOW (ltrs/min)	WELD DISTANCE (mm)	WELD TIME (min)	SPEED (mm/min)			
Prasad	ZC		FCAW	Root	101	223	15	250mm x 12					
				HOTPASE	105	22	15						
				BUILDDUP 1	107	22	15						
				BUILDDUP 2	107	22	15						
				CAPPING 1	94	20	15						
				CAPPING 2	95	21	15						
A.Nanda	ZC		FCAW	CAPPING 3	96	20	15						
				Root	99	21	17	350mm x 12					
				HOTPASE	107	21	17						
				BUILDDUP 1	109	21	16						
				BUILDDUP 2	109	21	16						
				CAPPING 1	98	20	16						
Appan Paraju	ZG		FCAW	CAPPING 2	96	20.5	16						
				CAPPING 3	99	20	16						
				Root	100	23	16	350mm x 12					
				HOTPASE	108	22	16						
				BUILDDUP 1	109	22	16						
				BUILDDUP 2	109	22	16						

