



CALIBRATION CERTIFICATE FOR COMPRESSION TESTING MACHINE

Certificate No.:		APT/CC/2025/F/141	Date of Issue:	20-Oct-25			
Name of Customer:	Equipment Under Calibration:			Calibration Conditions:			
M/s. SRR PROJECTS PVT LTD (AP) Premier Engineers Limited, Naidupeta.	Make :	LKV	Referred Std :	IS 1828 : 2022 Part-1			
	Model :	Digital	Date Of Calibration :	17-Oct-25			
	Sr. No. :	LKV/23-24	Calibration Due Date :	16-Oct-26			
	Calibration Master:	PROVING RING	Method :	Force Indicated			
	Capacity :	2000 kN	Mode Of Calibration :	Compression			
	ID No. :	---	Calibrated By :	Mr.Prasad B.			
	Location :	ONSITE	Calibrated at	1	2	3	Mean
	Scale Resolution:	1.0 kN	Temp.(°C±1) :	28.1	28.2	28.0	28.1

DETAILS OF STANDARD INSTRUMENTS USED FOR CALIBRATION : PROVING RING

Sr. No.	1			
Details of Instruments :	PR-2000kN.317			
Details of Indicator/Dial Gauge :	GDE 249			
Cal. Certificate No :	FRI/03/25/16748			
Calibration Date :	05.03.2025			
Next Calibration Due on:	05.05.2027			
Capacity:	2000 kN			
Calibrated By :	FRI			
Calibrated at temp (°C) :	24 °C			

OBSERVATIONS

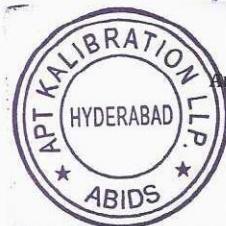
Range - 0 to 2000 kN					Least Count(kN) :			1.0 kN = 0 - 2000 kN								
Sr. No.	Force Proving Instrument Used	Applied Load in kN	Std Reading at 24°C	Reading at Room Temp	Observed Readings			Average	Difference	Relative Accuracy Error q %	Relative Repeatability error b%	Relative Resolution	MU ± (%)			
					I	II	III									
2000 kN					0 °	120 °	240 °									
					200.0	113.9	114.0	116.0	116.1	115.9	116.0	-1.98	-1.71	0.19	0.50	0.62
					400.0	226.9	227.2	231.3	230.8	230.8	230.9	-3.80	-1.64	0.22	0.25	0.62
					600.0	338.7	339.1	345.2	344.3	344.9	344.8	-5.72	-1.66	0.25	0.17	0.62
					800.0	459.9	460.4	469.4	467.9	469.1	468.8	-8.40	-1.79	0.32	0.13	0.62
					1000.0	572.3	572.9	582.6	582.4	584.2	583.0	-10.11	-1.73	0.31	0.10	0.62
					1200.0	691.5	692.3	704.8	704.8	704.1	704.6	-12.33	-1.75	0.10	0.08	0.62
					1400.0	811.5	812.4	825.0	826.9	827.4	826.4	-14.02	-1.70	0.29	0.07	0.62
					1600.0	926.5	927.5	945.7	945.3	941.5	944.2	-16.65	-1.76	0.44	0.06	0.62
					1800.0	1049.9	1051.1	1069.7	1071.6	1069.1	1070.1	-19.07	-1.78	0.24	0.06	0.62
					2000.0	1171.5	1172.8	--- Max. Limit / Safety Cut off ---								

ZERO ERROR = 0.20 0.10 0.20 RELATIVE ZERO ERROR (%) = 0.01

Note: 1) Error allowed is $\pm 1\%$ for Class1 & $\pm 2\%$ for Class2 of standard reading of Proving Rings.

2) Allowed Repeatability is 1% for Class1 & 2 % for Class2 of Average Reading.

Estimated Relative Mean Error, E = (0.45 ± 0.62)%



Authorized Signatory

H.Venu

Mr. H.Venu
Tech. Manager

- 1) The above Calibration is done at the Site of Customer.
- 2) The Calibration Results reported in this Certificate are valid at the time of & under the stated conditions of measurement & is only for the Calibrated item as identified in the Certificate.
- 3) Calibration Certificate shall not be reproduced except in full, without written approval of APT KALIBRATION.
- 4) MU Indicates expanded measurement of uncertainty at 95% confidence level with coverage factor K=2.

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