

Hydraulic Engineer

Althan Swimming Pool Building &
Youth Empowerment Center,
Opp.C.B.Patel Sport Complex,
New Citylight Road,
Althan,Surat - 395007



Surat Municipal Corporation

Gordhandas Chokhawala Marg,
Muglisara, Surat - 395 003.

Email Id:-

exen.hydraulic@suratmunicipal.org

QUOTATION INQUIRY

HYD/OUT/No.....

Date:...../...../2025

Name of Agency :-

Dear,

Subject: - Calibration of Weighing Balance (Load Cell Balance) with Indicator (Range 0 -2000 kg) from an NABL Approved Lab at Water Meter Calibration Laboratory,Hydraulic Department, Surat Municipal Corporation.

Sealed quotations duly super scribed and returnable on or before **Dt.07/02/2025** to the office of the undersigned are invited for following work.

Sr No.	Name of Instrument to be Calibrated on site	Description		Qty	Quoted Price
					Total in Rs.
1	Weighing Balance (Load Cell Balance) with Indicator	Indicator Make	Align	1	
Measurement Range		0 - 2000 Kg			
Readability/ Display Resolution		0.1 Kg/ 100 gm			
Last Reported Uncertainty in Report		± 0.1 Kg (At K=2 Coverage Factor)			
Total of above(1) in Rs.					
GST Amount(2) in Rs.					
Total Amount including GST(1+2) in Rs.					

#Terms/Conditions of Quotation#

1.	Work completion period: -	10 Days
2.	Validity of quotation: -	90 Days
3.	Payment condition: -	Payment shall be made within 30 days, after satisfactory completion of work.
4.	Reported Uncertainty :-	Reporting Uncertainty in Calibration Report shall be better than or equal to Previous mention Value. (Last Year Calibration Certificate Attached Herewith)
5.	Order Acceptation Criteria: -	Our lab currently has a CMC of 1.50%. If you accept this order, we assume that your lab has a better CMC than ours; hence, the CMC will be noted in the calibration report better than ours; if not, our office will not approve your order.

TERMS AND CONDITIONS

1. Bidder shall have to Quote Rates in this quotation paper only & returned duly sealed & signed. Also Write " **Quotation, name of work, name and address of agency/contractor on sealed envelope** " & Submit through by hand/RPAD/SPEED POST or any other Courier Service on or before **Dt.07/02/2025** at **Althan Swimming Pool Building & Youth Empowerment Center,Opp.C.B.Patel Sport Complex,New Citylight Road,Althan,Surat - 395 007.**
2. **Calibration of above said Instruments must be on site at our Water Meter Calibration Laboratory.**
3. Labour required for loading and unloading standard weights on the weighing scale is under the scope of the contractor/agency.
4. Bidder should submit their offers in line of above specified work.
5. **Bidder shall have to quote prices inclusive of all taxes, levies, loading, unloading, work contract tax, GST, labour charges, Construction cess, insurance, watch & ward, freight Charge etc.**
6. Bidder shall have to quote prices inclusive of all required materials for completion of entire work.
7. It is presumed that Bidder has seen the site and understood the scope of work to be executed before quoting the rate.
8. The work shall be carried out as per the standard practices and relevant code of practices with prevailing norms in Surat Municipal Corporation.
9. Contractor shall assure the safety of the work and personnel and contractor shall be entirely responsible for any damage or injuries to any property or person resulting from any accident due to any reasons.
10. On Calibration Certificate of above listed Instruments must be have name of your agency/Lab and NABL Symbol & CC No. of your Lab.
11. Payments of above said work only release after submitting calibration certificate of above listed Instruments.
12. Quotation, in which required details/documents are not given/submitted, shall be considered as disqualified.
13. Third Party Calibration by NABL Approved Agency/Lab is not allowed.

Sd/-

**Hydraulic Engineer
Surat Municipal Corporation**

Seal & Signature of Contractor



CALIBRATION CERTIFICATE



An ISO 9001:2015 Certified and ISO / IEC 17025 Accredited Company

CALIBRATION CERTIFICATE OF WEIGHING BALANCE

Name of Customer : SURAT MUNICIPAL CORPORATION, Hydraulic Department, Hydraulic Engineer, Althan Swimming Pool Building, Opp. DRB College, Near Nest House, Althan, Surat - 395 007	ULR No. : CC281324000000205F Certificate No : EWS - 0324 - 124 Certificate Issue Date : March 14, 2024 Calibration Done Date : March 14, 2024 Next Calibration Date : March 13, 2025
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Calibration Procedure : MWPL-SOP-002 Rev.00 Page : 01 of 02

INSTRUMENT DETAILS

Name of Instrument :	Load Cell Balance with Indicator	Make :	Align Systems
Model :	ASTW - 25T	Serial No :	2332023
Capacity :	2000 kg	Equipment ID :	LB-01
Display Resolution :	0.1 kg	Instrument Location :	At Site

Linearity Test Results

Sr No.	Weights Placed on PAN (kg)	Value of Mass Standards (kg)	Observed Mass Value (Average) (kg)	Error (kg)	Uncertainty at Coverage factor K=2 (±) (kg)
1	20	20.0	20.0	0.0	0.1
2	40	40.0	40.0	0.0	0.1
3	60	60.0	60.0	0.0	0.1
4	100	100.0	100.1	0.1	0.1
5	200	200.0	200.1	0.1	0.1
6	400	400.0	400.0	0.0	0.1
7	500	500.0	500.1	0.1	0.1
8	1000	1000.0	999.9	-0.1	0.1
9	1500	1500.0	1500.1	0.1	0.1
10	2000	2000.0	1999.9	-0.1	0.1

Overall Balance Uncertainty (Performance Factor) (F)

F = 0.274 246 (kg)

Corner Test Results / Eccentricity Test Results

PLACE	CENTRE	NORTH	EAST	SOUTH	WEST
Test weight : 500 kg	500.0	500.0	500.0	499.9	499.9
	500.0	500.0	499.9	500.0	499.9
	500.0	Measurement Movement : C>N>E>S>W>C>W>S>E>N>C (Clockwise & Anti Clockwise)			
Mean	500.0	500.0	500.0	500.0	499.9

Absolute Eccentric Error Relative to Centre

0.0

0.0

0.0

Calibrated By :
Ankit Patel

Approved By :
Kishan Patel



MARUTI Weigtech Pvt. Ltd.

CIN: U29196GJ2005PTC46462

Laboratory Address (Office):

255-258, Second Level, Shukan Mall, Off. S G Road,
Opp. CIMS Hospital, Science City,
Sola, Ahmedabad- 380 060, Gujarat, INDIA.

T / F: +91 079 2771 1771 & 1971, Cell: +91 98240 97708

Email: info@marutiweigtech.com

Laboratory Address (Factory):

Plot No. 435/8 (1 to 8), GIDC Estate,
Telephone Exchange Road, Opp. Bhiksukgruh Main Gate,
Odhav, Ahmedabad- 382 415, Gujarat, INDIA.

Tele.: +91 079 2297 5592, troemar@marutiweigtech.com

Website: www.marutiweigtech.com



CALIBRATION CERTIFICATE



An ISO 9001:2015 Certified and ISO / IEC 17025 Accredited Company

ULR No. :	CC281324000000205F	Certificate Issue Date :	March 14, 2024
Certificate No :	EWS - 0324 - 124	Page No.	2 of 2

REPEATABILITY TEST

AT FULL LOAD			AT HALF LOAD		
2000 kg			1000 kg		
OBSERVED READINGS			OBSERVED READINGS		
2000.0	1999.9	1999.9	1000.0	999.9	1000.0
2000.0	2000.0	1999.9	1000.0	999.9	1000.0
1999.9	1999.9	2000.0	999.9	999.9	1000.0
2000.0			1000.0		
Standard Deviation		0.052 704 628	Standard Deviation		0.051 639 778

Note : Max Value of Above Two Standard Deviation (Highlighted) is used for Uncertainty Calculation.

HYSTERESIS TEST - Not Applicable

P					
Q					
Hysterisis Error					0

Used Master(s) Certificate Details

Sr. No	Instrument Details	Calibration Done by	Certificate Details	Calibration Due Date
1	20 kg - F1 Class	MWPL Ahmedabad	SCW-1022-320/321	October 4, 2024
2	20 kg - M1 Class	MWPL Ahmedabad	SCW-0623-238/239	June 28, 2024

Important Remarks :

- > This certificate is issued for Items submitted to and calibrated by MARUTI Weigtech Pvt. Ltd.
- > Balance location is mentioned in certificate. Moving the balance after calibration shall be avoided otherwise calibration certificate shall not be accepted as evidence of traceability.
- > Thermal stabilization for 1 hr of reference weights is done before performing the actual calibration process.
- > The calibration certificate issued for weighing balance used for scientific or industrial purpose only.
- > The reported uncertainty is at coverage factor k=2 which corresponds to a coverage probability of approximately 95% for a normal distribution. The contribution of uncertainty originating from the mass standards & balances used, the weighing process and the air buoyancy correction are taken into account.
- > Calibration done as per the guidelines of OIML R -76, NABL - 129
- > Calibration results reported in this certificate are obtained at the time of calibration of weighing balance are valid at the time of and under stated environmental conditions. Environmental conditions observed during the calibration as follows.

Temperature : 29.3°C Pressure : N.A Humidity : 56 % Rh

> Any changes or correction need in this certificates will be re-issue as "Amended Calibration Certificate" and this new certificate automatically cancels the original ones. certificate will not reproduce except in full without written permission of MWPL Laboratory. Any hand written correction or marking in this Calibration Certificate are not accepted and invalid.

MWPL-FMT-EXE-05 Rev : 00

Calibrated By : Ankit Patel		Approved By : Kishan Patel	
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----- End of Certificate -----



MARUTI Weigtech Pvt. Ltd.

CIN: U29196GJ2005PTC46462

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255-258, Second Lavel, Shukan Mall, Off. S G Road,
Opp. CIMS Hospital, Science City,
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