INITIAL UPLIFT/PULLOUT PILE LOAD TEST ON 600MM DIA PILE FOR FOR IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.

TEST LOAD:- 157.5MT
(INITIAL TEST PILE PANCHAK 75 MLD STP.-TP-01)

Submitted to

CLIENT :– NMC.

PMC:- CS TECH

CONTRACTOR :- KUMBH WASTE WATER MANAGEMENT Pvt Ltd.

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

Tel:- 9452200078,8369458583

E-mail:-calibration@qcclabsolutions.com

Website:- www.qcclabsolutions.com

INITIAL UPLIFT/PULLOUT PILE LOAD TEST ON 600MM DIA PILE FOR FOR IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.

TEST LOAD:- 157.5MT
(INITIAL TEST PILE PANCHAK 75 MLD STP. -TP-01)

TABLE OF CONTENT

INITIAL UPLIFT/PULLOUT PILE LOAD TEST ON 600MM DIA PILE FOR FOR IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.

TEST LOAD:- 157.5MT (INITIAL TEST PILE PANCHAK 75 MLD STP.-TP-01)

1.0 GENERAL

1.1 Clients decided to carry out static pile testing work on 600mm diameter pile to estimate load carrying capacity in vertical direction and settlement. M/s ZedGeo Systems Private Limited, Mumbai was entrusted with work of uplift pile load test.

1.2 This report covers data for one Uplift/pullout pile load test and calculation of safe load capacity for pile based on data collected during fieldwork.

1.3 The following codes of practices have been adopted.

- IS 2911 (Part 4) –1985 – (Reaffirmed 2013) “Code of Practice for Design and Construction of Pile Foundations -Concrete Piles -Bored Cast – In – situ piles - Load Tests on Piles”.
- IS: 14593 – 1998 (Reaffirmed 2003). ”Design and Construction of Bored Cast-in-Situ Piles Founded on Rocks – Guidelines.”

2.0 SCOPE OF WORK

Pile details are tabulated as below.

2.1 Pile details for Initial Pile (For Pullout Load Test)

Location :- Panchak 75 MLD STP.

The details of the pile are as given below:

Initial pile No =TP-01

Maximum Safe Uplift capacity of Pile =63 MT

Test Load = 157.5MT

Diameter of Pile = 600mm

Grade of Concrete = M-25

Pile Depth = 10.90 m at Test level.

3.0 METHODOLOGY

3.1 The load testing on piles was conducted as per IS: 2911 (Part 4) – 1985 (Reaffirmed 2013).

Uplift Load Test On Piles

3.2 Test Load

The Initial pile pullout load test was carried out to a test load of minimum 2.5 times the design load as per IS:2911. The design/safe load was 63T and the maximum test load was 157.5T for test pile.

3.3 Uplift Resistance Test on Piles

The pile load test was conducted by applying a series of Uplift loads on the test pile. The test pile was Lifted in increments close to 20% of the designed load till the test load was achieved i:e 197.5T and then unloaded as given in Table 3-1.is done The load was applied by means of 2 secondary girders resting on ground and The primary girders were resting on the 2 supporting secondary girders. 1 jack of 500MT were placed on the centre of the primary girder and one MS plate box was placed on top the jack. After placing the girder, jack and MS plate box pile rainforcement weld onto the MS plate box. The pile was dressed to a well-levelled surface then glasses was fixed onto the Pile on which the plunger of the dial gauges were rested and the magnetic base of the dial gauge was rested on the datum bar. The jacks were connected and operated by one pump.

The testing agency had submitted calibration charts showing the correctness of the calibration of the pressure gauges and the dial gauges before use. Readings of uplift and Elastic Rebound were recorded with the help four dial gauges of 0.01 mm sensitivity and resting on diametrically opposite ends of the pile. The dial gauges were fixed to a support at least 3 times the diameter of the pile or a minimum of 1.50 m away clear from the edge of pile. Readings on the dial gauges were observed immediately before and after application of loads, and immediately before and after release of loads.

LOADING AND UNLOADING SHEET

1 jack of 500T of Ram area = 706cm2.

So Effective Ram area is = 706cm2.

Design Load=63MT. Test Load = 157.5MT.

Load Increment shall be 20% of Design load (63T), so 12.6T

Increments shall be selected close to 12.6T.

Least Count of Pressure gauge is 10 kg/cm2

Table 1 – Load Sequence

Pressure Gauge (kg/cm2)	Load (MT)	Reading Time(Mins)
0	0	0
20	14.12	1,15,30,45,60th mins
40	28.24	1,15,30,45,60th mins
60	42.36	1,15,30,45,60th mins
80	56.48	1,15,30,45,60th mins
100	70.60	1,15,30,45,60th mins
120	84.72	1,15,30,45,60th mins
140	98.84	1,15,30,45,60th mins
160	112.96	1,15,30,45,60th mins
180	127.08	1,15,30,45,60th mins
200	141.20	1,15,30,45,60th mins
230	162.38	24 hours Holding
Unloading		
180	127.08	1,5,15 mins
160	112.96	1,5,15 mins
140	98.84	1,5,15 mins
120	84.72	1,5,15 mins
100	70.60	1,5,15 mins
80	56.48	1,5,15 mins
60	42.36	1,5,15 mins
40	28.24	1,5,15 mins
20	14.12	1,5,15 mins
0	0	1,5,15 mins

The final load was maintained for 24 hrs and the corresponding Uplift was observed at 1hr interval. During the unloading stages, the load on the pile was maintained for a minimum of 15 minutes and the subsequent elastic rebound in the pile was measured with the help of 4 dial gauges.

3.4 Plant and Equipment

All temporary work plant, equipment, reaction system, Primary and secondary girders and all necessary instruments for measurements of loads, deflection etc. was provided by the testing agency. The equipment provided was capable to apply slowly and smoothly and to maintain the load at any required value. The load was measured by a single Pressure Gauge.

4.0 RESULTS

4.1 Acceptance Criteria for Uplift Load Test on Pile.

The Safe Capacity of Piles is considered to be the least of the following as per IS: 2911, (Part 4):2013

• 2/3rd of the load corresponding to 12 mm Displacement/Uplift or maximum of 2 percent of pile diameter which in this case works out to be 12 mm, whichever is less.

• Half the load at which the load displacement curve shows a clear break (downward trend).

So as per the Test data and the graph the pile has shown more Uplift capacity than **63T.**
The maximum Deflection/Uplift observed as per our field record at **162.38T = 8.46mm.**
Which is less than 12mm .
Total Elastic Rebound = **3.75mm**
The Net Deflection/Uplift= **4.71mm**

1st Nov 2025.

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

(Authorised Signatory)

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

READINGS AND GRAPH

QCC

QCC LAB SOLUTIONS PVT LTD.

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

RECORD OF FOOTING LOAD TEST NO:- TP-01
PROJECT:- IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.
LOCATION - Panchak 75 MLD STP.
CONSULANT :- CS TECH
CLIENT:- NASHIK MUNICIPAL CORPORATION.

lc of dial gauge:- 0.01mm
Type of Test:- Uplift Pile Load Test
Design Load :- 63 MT
Test Load :- 157.5 MT
Mixed Design :- M25
Pile Diameter : - 600mm

Ram Area :- 706cm2
Date of Casting :- 26-08-2025.
Pile Length :- 10.90mtr

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Dial Gauge				AVERAGE SETTLEMENT IN MM	REMARK
				Reading 1	Reading 2	Reading 3	Reading 4		
LOADING									
11-10-2025	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	11.45	20.00	14.12	0.03	0.05	0.00	0.00	0.02	
	12.00			0.06	0.08	0.00	0.00	0.04	
	12.15			0.06	0.08	0.01	0.01	0.04	
	12.30			0.06	0.10	0.10	0.05	0.08	
	12.45			0.02	0.08	0.10	0.05	0.06	
	12.46	40.00	28.24	0.15	0.20	0.01	0.05	0.10	
	13.00			0.25	0.28	0.01	0.00	0.14	
	13.15			0.27	0.30	0.01	0.00	0.15	
	13.30			0.27	0.31	0.01	0.00	0.15	
	13.45			0.29	0.33	0.01	0.00	0.16	
	13.46	60.00	42.36	0.47	0.48	0.11	0.02	0.27	
	14.00			0.47	0.48	0.11	0.02	0.27	
	14.15			0.52	0.55	0.15	0.06	0.32	
	14.30			0.54	0.60	0.17	0.08	0.35	
	14.45			0.56	0.62	0.18	0.09	0.36	
	14.46	80.00	56.48	0.93	0.93	0.42	0.32	0.65	
	15.00			0.95	0.94	0.43	0.33	0.66	
	15.15			0.97	0.95	0.47	0.34	0.68	
	15.30			0.99	0.96	0.51	0.36	0.71	
	15.45			0.90	0.85	0.53	0.38	0.67	

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

RECORD OF FOOTING LOAD TEST NO:- TP-01
PROJECT:- IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.
LOCATION - Panchak 75 MLD STP.
CONSULANT :- CS TECH
CLIENT:- NASHIK MUNICIPAL CORPORATION.

lc of dial gauge:- 0.01mm
Type of Test:- Uplift Pile Load Test
Design Load :- 63 MT
Test Load :- 157.5 MT
Mixed Design :- M25
Pile Diameter : - 600mm

Ram Area :- 706cm2
Date of Casting :- 26-08-2025.
Pile Length :- 10.90mtr

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Dial Gauge				AVERAGE SETTLEMENT IN MM	REMARK
				Reading 1	Reading 2	Reading 3	Reading 4		
LOADING									
11-10-2025	15.46	100.00	70.60	1.19	1.09	0.78	0.62	0.92	
	16.00			1.20	1.10	0.82	0.65	0.94	
	16.15			1.20	1.10	0.82	0.65	0.94	
	16.30			1.22	1.11	0.84	0.66	0.96	
	16.45			1.22	1.11	0.84	0.66	0.96	
	16.46	120.00	84.72	1.58	1.37	1.11	0.92	1.25	
	17.00			1.60	1.39	1.12	0.94	1.26	
	17.15			1.60	1.40	1.14	0.95	1.27	
	17.30			1.61	1.42	1.15	0.96	1.29	
	17.45			1.62	1.45	1.49	1.07	1.41	
	17.46	140.00	98.84	2.28	1.96	1.96	1.50	1.93	
	18.00			2.28	1.96	1.96	1.50	1.93	
	18.15			2.28	1.96	1.96	1.50	1.93	
	18.30			2.28	1.96	1.96	1.50	1.93	
	18.45			2.28	1.96	1.96	1.50	1.93	
	18.46	160.00	112.96	3.01	2.65	2.60	2.05	2.58	
	19.00			3.01	2.65	2.60	2.05	2.58	
	19.15			3.01	2.65	2.60	2.05	2.58	
	19.30			3.01	2.65	2.60	2.05	2.58	
	19.45			3.01	2.65	2.61	2.05	2.58	
	19.46	180.00	127.80	3.87	3.61	3.37	2.38	3.31	
	20.00			3.87	3.61	3.37	2.38	3.31	
	20.15			3.87	3.61	3.37	2.38	3.31	
	20.30			3.87	3.61	3.37	2.38	3.31	
	20.45			3.88	3.63	3.60	2.81	3.48	

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

RECORD OF FOOTING LOAD TEST NO:- TP-01
PROJECT:- IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.
LOCATION - Panchak 75 MLD STP.
CONSULANT :- CS TECH
CLIENT:- NASHIK MUNICIPAL CORPORATION.

lc of dial gauge:- 0.01mm
Type of Test:- Uplift Pile Load Test
Design Load :- 63 MT
Test Load :- 157.5 MT
Mixed Design :- M25
Pile Diameter : - 600mm

Ram Area :- 706cm2
Date of Casting :- 26-08-2025.
Pile Length :- 10.90mtr

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Dial Gauge				AVERAGE SETTLEMENT IN MM	REMARK
				Reading 1	Reading 2	Reading 3	Reading 4		
LOADING & HOLDING									
11-10-2025	20.46	200.00	141.20	5.23	5.33	7.86	3.75	5.55	
	21.00			5.23	5.34	7.87	3.75	5.55	
	21.15			5.24	5.34	7.87	3.75	5.55	
	21.30			5.24	5.34	7.87	3.75	5.55	
	21.45			5.23	5.33	7.87	3.74	5.54	
	21.46	230.00	162.38	6.77	6.95	10.05	4.89	7.17	
	22.46			6.77	6.95	10.04	4.93	7.17	
	23.46			6.79	6.97	10.06	4.95	7.19	
12-10-2025	0.46			6.80	6.98	10.06	4.96	7.20	
	1.46			6.82	6.99	10.08	4.98	7.22	
	2.46			6.92	7.10	10.20	5.10	7.33	
	3.46			7.10	7.25	10.32	5.22	7.47	
	4.46			7.15	7.30	10.39	5.30	7.54	
	5.46			7.16	7.31	10.39	5.30	7.54	
	6.46			7.16	7.31	10.39	5.30	7.54	
	7.46			7.12	7.32	10.41	5.31	7.54	
	8.46			7.14	7.36	10.75	6.13	7.85	
	9.46			7.26	7.42	10.75	6.13	7.89	
	10.46			7.28	7.45	10.75	6.18	7.92	
	11.46			7.28	7.45	10.75	6.18	7.92	
	12.46			7.43	7.61	10.75	6.18	7.99	
	13.46			7.44	7.61	10.75	6.18	8.00	
	14.46			7.72	7.99	10.88	6.39	8.25	
	15.46			7.72	7.99	10.89	6.42	8.26	
	16.46			7.72	7.99	10.89	6.42	8.26	
	17.46			7.72	7.46	10.89	6.42	8.12	
	18.46			7.72	8.25	10.89	6.72	8.40	
	19.46			7.72	8.30	10.89	6.79	8.43	
	20.46			7.72	8.30	10.89	6.79	8.43	
	21.46			7.72	8.31	10.89	6.79	8.43	
	22.46			7.75	8.39	10.89	6.79	8.46	

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

RECORD OF FOOTING LOAD TEST NO:- TP-01
PROJECT:- IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.
LOCATION - Panchak 75 MLD STP.
CONSULANT :- CS TECH
CLIENT:- NASHIK MUNICIPAL CORPORATION.

lc of dial gauge:- 0.01mm
Type of Test:- Uplift Pile Load Test
Design Load :- 63 MT
Test Load :- 157.5 MT
Mixed Design :- M25
Pile Diameter : - 600mm

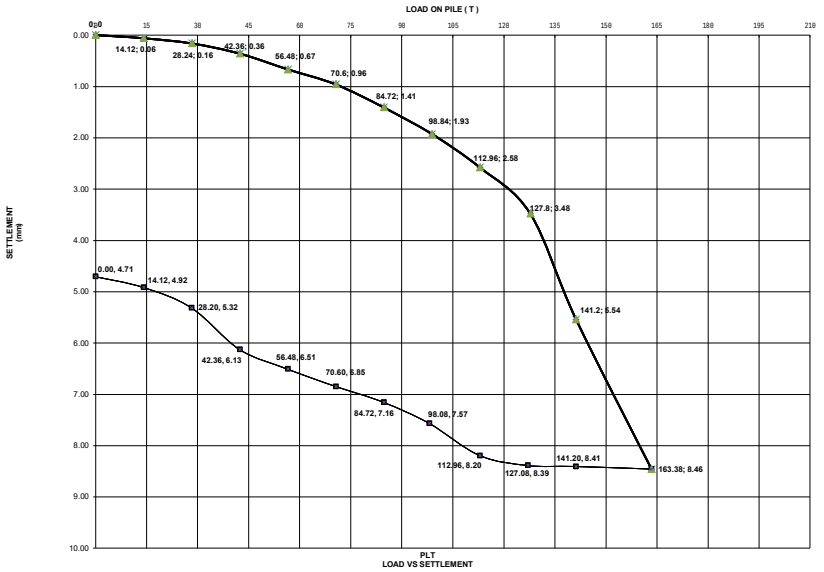
Ram Area :- 706cm2
Date of Casting :- 26-08-2025.
Pile Length :- 10.90mtr

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Dial Gauge				AVERAGE SETTLEMENT IN MM	REMARK
				Reading 1	Reading 2	Reading 3	Reading 4		
UNLOADING									
12.10.2025	22.46	200.00	141.20	7.75	8.39	10.74	6.74	8.41	
	22.50			7.75	8.39	10.74	6.74	8.41	
	23.00			7.75	8.39	10.74	6.74	8.41	
	23.01	180.00	127.08	7.75	8.38	10.73	6.68	8.39	
	23.05			7.75	8.38	10.73	6.68	8.39	
	23.15			7.75	8.38	10.73	6.68	8.39	
	23.16	160.00	112.96	7.48	8.16	10.72	6.46	8.21	
	23.20			7.47	8.16	10.72	6.46	8.20	
	23.30			7.47	8.16	10.72	6.46	8.20	
	23.31	140.00	98.08	6.04	7.70	10.45	6.08	7.57	
	23.35			6.04	7.70	10.45	6.08	7.57	
	23.45			6.04	7.70	10.45	6.08	7.57	
	23.46	120.00	84.72	5.49	7.32	10.16	5.72	7.17	
	23.50			5.46	7.29	10.16	5.72	7.16	
	24.00			5.46	7.29	10.16	5.72	7.16	
	24.01	100.00	70.60	5.46	6.80	9.80	5.32	6.85	
	24.05			5.46	6.80	9.80	5.32	6.85	
	24.15			5.46	6.80	9.80	5.32	6.85	
	24.16	80.00	56.48	5.40	6.31	9.45	4.89	6.51	
	24.20			5.40	6.30	9.44	4.89	6.51	
	24.30			5.40	6.30	9.44	4.89	6.51	
	24.31	60.00	42.36	5.39	5.74	9.05	4.40	6.15	
	24.35			5.35	5.71	9.04	4.40	6.13	
	24.45			5.35	5.71	9.04	4.40	6.13	
	24.46	40.00	28.20	4.60	5.08	7.61	4.05	5.34	
13.10.2025	0.50			4.56	5.04	7.61	4.05	5.32	
	1.00			4.56	5.04	7.61	4.05	5.32	
	1.01	20.00	14.12	4.00	4.43	7.33	4.05	4.95	
	1.05			4.00	4.39	7.23	4.05	4.92	
	1.15			4.00	4.39	7.23	4.05	4.92	
	1.16	0.00	0.00	4.00	4.24	6.60	4.05	4.72	
	1.20			4.00	4.24	6.55	4.05	4.71	
	1.30			4.00	4.24	6.53	4.05	4.71	

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

RECORD OF FOOTING LOAD TEST NO:- TP-01
PROJECT:- IMPROVEMENT OF SEWAGE MANAGEMENT SYSTEM IN NASHIK TO PREVENT IN RIVER GODAVARI BASED ON PPP/HAM MODEL.
LOCATION - Panchak 75 MLD STP.
CONSULANT :- CS TECH
CLIENT:- NASHIK MUNICIPAL CORPORATION.

LOADING			UNLOADING	
LOAD	AVERAGE DEFLECTION		LOAD	AVERAGE DEFLECTION
(T)	(mm)		(T)	(mm)
0.00	0.00		163.38	8.46
14.12	0.06		141.20	8.41
28.24	0.16		127.08	8.39
42.36	0.36		112.96	8.20
56.48	0.67		98.08	7.57
70.60	0.96		84.72	7.16
84.72	1.41		70.60	6.85
98.84	1.93		56.48	6.51
112.96	2.58		42.36	6.13
127.80	3.48		28.20	5.32
141.2	5.54		14.12	4.92
163.38	8.46		0.00	4.71



Maximum Settlement at 163T: 8.46 mm

Total Rebound : 3.75 mm

Net Settlement : 4.71 mm

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.
NMC/VEL/QCC.

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.
NMC/VEL/QCC.

FIELD READINGS

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

Tel:- 9452200078,8369458583

E-mail:-calibration@qcclabsolutions.com

Website:- www.qcclabsolutions.com

ZedGeo Systems Private Limited., Mumbai

PAGE:- 1

RECORD OF PILE LOAD TEST NO:-
PROJECT:-
LOCATION :- Improvement Sewage
CLIENTS NAME:- Nashik city management
CONSULTANT:-
CONTRACTOR:- PANCAK STP 75 mld

L.C OF DIAL GAUGE:- 0.01 mm
TYPE OF TEST:- PILE PULLOUT
DESIGN LOAD:- 83 MT
TEST LOAD :- ~~100 MT~~ 163.38
MIXED DESIGN :- M25
PILE DIAMETER :- 600 mm

RAM AREA :- 706 cm²
DATE OF CASTING :- 26-08-25
PILE DEPTH :- 10.90 mtr

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Reading 1	Reading 2	Reading 3	Reading 4	Average Defflection Test Pile	SIGNATURE RED			REMARK
11/10/25	11.44	00	00	0.0	0.0	0.0	0.0	0.0	Patil	Ganesh Thakur	Mane	
	11.45	20	14.12	0.03	0.05	0.0	0.0	0.02	Patil			
	12.00			0.06	0.08	0.0	0.0	0.035	Patil			
	12.15			0.06	0.08	0.01	0.01	0.04	Patil	Thakur	Mane	
	12.30			0.06	0.10	0.10	0.05	0.075	Patil			
	12.45			0.02	0.08	0.10	0.05	0.065	Patil			
	12.46	40	28.24	0.15	0.20	0.01	0.05	0.105	Patil			
	13.00			0.25	0.28	0.01	0.00	0.135	Patil	Thakur	Mane	
	13.15			0.27	0.30	0.01	0.00	0.145	"			
	13.30			0.27	0.31	0.01	0.00	0.147	"			
	13.45			0.29	0.33	0.01	0.00	0.157	"			
	13.46	60	42.36	0.47	0.48	0.11	0.02	0.27	"			
	14.00			0.47	0.48	0.11	0.02	0.27	Patil	Thakur	Mane	
	14.15			0.52	0.55	0.15	0.06	0.32	Patil			
	14.30			0.54	0.60	0.17	0.08	0.342	Patil			
	14.45			0.56	0.62	0.18	0.09	0.362	Patil			
	14.46	80	56.48	0.93	0.93	0.42	0.32	0.65	Patil			
	15.00			0.95	0.94	0.43	0.33	0.66	Patil	Thakur	Mane	
	15.15			0.97	0.95	0.47	0.34	0.68	Patil			
	15.30			0.99	0.96	0.51	0.36	0.705	Patil			
	15.45			0.90	0.85	0.53	0.38	0.665	Patil			

ZedGeo Systems Private Limited., Mumbai

RECORD OF PILE LOAD TEST NO.-

PROJECT :- Impoonemnt Sewage mangement in Nashik city

LOCATION :-

CLIENTS NAME :-

CONSULTANT :-

CONTRACTOR :- PANCAK STP 75 mLD

L.C OF DIAL GAUGE :- 0.01mm

TYPE OF TEST :- PILE PULLOUT

DESIGN LOAD :-

TEST LOAD :- 63 mT

MIXED DESIGN :- 163.38 - m25

PILE DIAMETER :- 600mm

RAM AREA :- 706. cmL

DATE OF CASTING :- 26.08.25

PILE DEPTH :- 10.90mtr.

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Reading 1	Reading 2	Reading 3	Reading 4	Average Defflection Test Pile	SIGNATURE ZED	SIGNATURE	SIGNATURE	REMARK
11/10/25	15.46	100	70.60	1.19	1.09	0.78	0.62	0.92	Patil			
	16.00			1.20	1.10	0.82	0.65	0.94	Patil			
	16.15			1.20	1.10	0.82	0.65	0.94	Patil			
	16.30			1.22	1.11	0.84	0.66	0.95	Patil			
	16.45			1.22	1.11	0.84	0.66	0.95	Patil			
	16.46	120	84.72	1.58	1.37	1.11	0.92	1.24	Patil			
	17.00			1.60	1.39	1.12	0.94	1.26	Patil			
	17.15			1.60	1.40	1.14	0.95	1.27	Patil			
	17.30			1.61	1.42	1.15	0.96	1.28				
	17.45			1.62	1.45	1.49	1.07	1.40				
	17.46	140	98.84	2.28	1.96	1.96	1.50	1.92				
	18.00			2.28	1.96	1.96	1.50	1.92				
	18.15			2.28	1.96	1.96	1.50	1.92				
	18.30			2.28	1.96	1.96	1.50	1.92				
	18.45			2.28	1.96	1.96	1.50	1.92	Patil			
								2.577				
	18.46	160	112.96	3.01	2.65	2.60	2.05	2.577	Patil			
	19.00			3.01	2.65	2.60	2.05	2.577	Patil			
	19.15			3.01	2.65	2.60	2.05	2.577	Patil			
	19.30			3.01	2.65	2.60	2.05	2.577	Patil			
	19.45			3.01	2.65	2.61	2.05	2.577	Patil			

ZedGeo Systems Private Limited., Mumbai

RECORD OF PILE LOAD TEST NO :-

PROJECT :-

LOCATION :- ~~Imporvement~~ Sewage mangement in
CLIENTS NAME :- Nashik city
CONSULTANT :-
CONTRACTOR :- Panchak STP-75 MLD

L.C OF DIAL GAUGE :- 0.01 mm
TYPE OF TEST :- PILE PULLOUT
DESIGN LOAD :- 63 MT
TEST LOAD :- 163.38
MIXED DESIGN :- m-25
PILE DIAMETER :- 600 mm

PAGE :- 3
RAM AREA :- 706 cm²
DATE OF CASTING :- 26.08.25
PILE DEPTH :- 10' 90 mtr

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Reading 1	Reading 2	Reading 3	Reading 4	Average Defflection Test Pile	SIGNATURE			REMARK
11/10/25	19.46	180	127.80	3.87	3.61	3.37	2.38	3.307	ZED			
	20.00			3.87	3.61	3.37	2.38	3.307	Patil			
	20.15			3.87	3.61	3.37	2.38	3.307	Patil		Manoj	
	20.30			3.87	3.61	3.37	2.38	3.307	Patil			
	20.45			3.88	3.68	3.60	2.81	3.48	Patil			
	20.46	200	141.20	5.23	5.35	7.86	3.75	5.542	Patil			
	21.00			5.23	5.34	7.87	3.75	5.55	Patil		Manoj	
	21.15			5.23	5.34	7.87	3.75	5.55	Patil			
	21.30			5.24	5.34	7.87	3.75	5.55	Patil			
	21.45			5.23	5.33	7.87	3.74	5.545	Patil			
	21.46	230	163.38	6.77	6.95	10.05	4.89	7.165	Patil			

ZedGeo Systems Private Limited., Mumbai

RECORD OF PILE LOAD TEST NO:-

PROJECT:-

LOCATION :-

CLIENTS NAME:-

CONSULTANT:-

CONTRACTOR:-

L.C OF DIAL GAUGE:- 0.01mm

TYPE OF TEST:- Pile Pullout

DESIGN LOAD:- 63 mT

TEST LOAD :- 163.38

MIXED DESIGN :- M25

PILE DIAMETER :- 600 mm

RAM AREA :- 706 cm2

DATE OF CASTING :- 26/8/25

PILE DEPTH :- 10.90 mtr

PAGE:- 4

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME (Hrs)	PRESSURE GAUGE READING kg/cm2	LOAD IN MT	Reading 1	Reading 2	Reading 3	Reading 4	Average Defflection Test Pile	SIGNATURE	REMARK
11/10/25	22.46	230	163.38	6.77	6.95	10.04	4.93	7.172	ZED Patil	
	23.46	~~163.38~~		6.79	6.97	10.06	4.95	7.192	Patil	
12/10/25	24.46			6.80	6.98	10.06	4.96	7.20	Patil	
	1.46			6.82	6.99	10.08	4.98	7.23	Patil	
	2.46			6.92	7.10	10.20	5.10	7.38	Patil	
	3.46			7.10	7.25	10.32	5.22	7.4722	Patil	
	4.46			7.15	7.30	10.39	5.30	7.535	Patil	
	5.46			7.16	7.31	10.39	5.30	7.54	Patil	
	6.46			7.16	7.31	10.39	5.30	7.54	Patil	
	7.46			7.12	7.32	10.41	5.31	7.55	Patil	
	8.46			7.14	7.36	10.75	6.13	7.84		
	9.46			7.26	7.42	10.75	6.13	7.89		Mant
	10.46			7.28	7.45	10.75	6.18	7.91		
	11.46			7.28	7.45	10.75	6.18	7.91		
	12.46			7.43	7.61	10.75	6.18	7.99		
	13.46			7.44	7.61	10.75	6.18	7.995		
	14.46			7.72	7.99	10.88	6.39	8.245		Mant
	15.46			7.72	7.99	10.89	6.42	8.255		
	16.46			7.72	7.99	10.89	6.42	8.255		
	17.46			7.72	7.99	10.89	6.42	8.255		
	18.46			7.72	8.25	10.89	6.72	8.39		Mant
	19.46			7.72	8.30	10.89	6.79	8.42		
	20.46			7.72	8.30	10.89	6.79	8.42		
	21.46			7.72	8.31	10.89	6.79	8.42		
	22.46			7.75	8.39	10.89	6.79	8.45		Mant

ZedGeo Systems Private Limited., Mumbai

PAGE:- 5

RECORD OF PILE LOAD TEST NO:-
PROJECT:-

LOCATION :-
CLIENTS NAME:-
CONSULTANT:-
CONTRACTOR:-

L.C OF DIAL GAUGE:-
TYPE OF TEST:-
DESIGN LOAD:-
TEST LOAD :-
MIXED DESIGN :-
PILE DIAMETER :-

RAM AREA :-
DATE OF CASTING :-
PILE DEPTH :-

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME	PRESSURE	LOAD IN MT	Reading				Average Defflection	SIGNATURE			REMARK
	(Hrs)	GAUGE READING kg/cm2		Reading 1	Reading 2	Reading 3	Reading 4	Test Pile	ZED			
12/10/25	22.46	200	141.2	7.75	8.39	10.74	6.74	8.40				
	22.50			7.75	8.39	10.74	6.74	8.40		Mail		
	23.00			7.75	8.39	10.74	6.74	8.40				
	23.01	180	127.08	7.75	8.38	10.73	6.68	8.38				
	23.05			7.75	8.38	10.73	6.68	8.38		Mail		
	23.15			7.75	8.38	10.73	6.68	8.38				
	23.16	160	112.96	7.48	8.16	10.72	6.46	8.20				
	23.20			7.47	8.16	10.72	6.46	8.20		Mail		
	23.30			7.47	8.16	10.72	6.46	8.20				
	23.31	140	98.084	6.04	7.70	10.45	6.08	7.56				
	23.35			6.04	7.70	10.45	6.08	7.56		Mail		
23.45	23.45			6.04	7.70	10.45	6.08	7.56				
	23.47	120	84.72	5.49	7.32	10.16	5.72	7.17				
	23.50			5.46	7.29	10.16	5.72	7.15		Mail		
13/10/25	0.00			5.46	7.29	10.16	5.72	7.15				
					6.80							
	0.01	100	70.60	5.46	6.80	9.80	5.72	6.84				
	0.05			5.46	6.80	9.80	5.32	6.84		Mail		
	0.15			5.46	6.80	9.80	5.32	6.84				

ZedGeo Systems Private Limited., Mumbai

RECORD OF PILE LOAD TEST NO:-

PROJECT:- .

LOCATION :-

CLIENTS NAME:-

CONSULTANT:-

CONTRACTOR:-

L.C OF DIAL GAUGE:-

TYPE OF TEST:-

DESIGN LOAD:-

TEST LOAD :-

MIXED DESIGN :-

PILE DIAMETER :-

RAM AREA :-

DATE OF CASTING :-

PILE DEPTH :-

PAGE:- 6

INITIAL PILE UPLIFT LOAD TEST

DATE	TIME	PRESSURE	LOAD IN MT	Reading				Average Defflection	SIGNATURE			REMARK
	(Hrs)	GAUGE READING kg/cm2		Reading 1	Reading 2	Reading 3	Reading 4	Test Pile	ZED			
13/10/25	0.16	80	56.48	5.40	6.31	9.45	4.89	6.51				
	0.20			5.40	6.30	9.44	4.86	6.5		Mak		
	0.30			5.40	6.30	9.44	4.86	6.5				
	0.31	60	42.36	5.39	5.74	9.05	4.40	6.14				
	0.35			5.35	5.71	9.04	4.40	6.12				
	0.45			5.35	5.71	9.04	4.40	6.12		Mak		
0.	0.46	40	28.2	4.60	5.08	7.61	4.05	5.33				
	0.50			4.56	5.04	7.61	4.05	5.31				
	1.00			4.56	5.04	7.61	4.05	5.31		Mak		
	1.01	20	14.124	4.00	4.43	7.33	4.05	4.95				
	1.05			4.00	4.39	7.23	4.05	4.91				
	1.15			4.00	4.39	7.23	4.05	4.91		Mak		
	1.16	0 0	0 0	4.00	4.24	6.60	4.05	4.72				
	1.20			4.00	4.24	6.55	4.05	4.71				
	1.30			4.00	4.24	6.53	4.05	4.07		Mak		

CALIBRATION CERTIFICATES

QCC LAB SOLUTIONS Pvt Ltd, Mumbai.

Tel:- 9452200078,8369458583

E-mail:-calibration@qcclabsolutions.com

Website:- www.qcclabsolutions.com

QCC LAB SOLUTIONS PVT. LTD.
Equipment Sales & Calibration Services

Format No: PLTJ/01 Rev. No.- 00

CALIBRATION CERTIFICATE

CALIBRATION CERTIFICATE NO	: QCC-102-CR-01
CALIBRATION REPORT DATE	: 23/03/2025
NAME OF CUSTOMER	: M/s. ZEDZEO SYSTEMS PRIVET LIMITED
PROJECT SITE ADDRESS	: NAVI MUMBAI
DATE OF CALIBRATION	: 23/03/2025
SUGGESTED NEXT CALIBRATION DUE DATE (As customer Requested)	23/03/2026

Details of Device Under Calibration (DUC)

Instrument Description : 500T X 250 mm Stroke Single Acting Ram Jam **Port Size :** 3/8" NPT

Capacity (Ton) : 500

Tag / ID No :'----

Sr. No. : 12607

Effective Area Ram (cm2) : 706.9

Technical Details of Hydraulic Jack

Cylinder OD	Ram, OD	Sroke	Retracted Height
399.86	299.97	250	557.2

DETAIL OF MASTER EQUIPMENT USED FOR CALIBRATION

Id of Instrument	Range of Master	Calibrated By	Calibration Certificate No.	Calibration Date	Calibration Due Date
QCC/PGC/01	0- 700 bar	IDEMI , Mumabi	CC/PRL/ 0305 /24-25	19/08/2024	18/08/2025

CALIBRATION RESULTS

Calibration Method : DKD R-6 : 2016, SOP-CAL-10 **Calibration done at Room Temp(° C) :** 27.8

Calibration Done at Location : At Lab **Calibration done at Humidity(% RH) :** 56

Pressure Transmitting Medium : Hydraulic **Certified Range of Hydraulic Jack (Ton) :** 494.83

Reading on DUC (kg/cm²) P (ACT)	Effective Ram Area (cm2), (F=PXA)	Pressure in (Tons)
0	706.9	0.00
60	706.9	42.41
120	706.9	84.83
180	706.9	127.24
240	706.9	169.66

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708

QCC LAB SOLUTIONS PVT. LTD.
Equipment Sales & Calibration Services

300	706.9	212.07
360	706.9	254.48
420	706.9	296.90
480	706.9	339.31
540	706.9	381.73
580	706.9	410.00
650	706.9	459.49
700	706.9	494.83

Remarks:

1. The Reported Expended uncertainity is stated as a standard uncertainity multiplied by a coverage confidance level factor k=2 at ± 95%

Note:

2. DUC stands for device under calibration.
3. The certificate shall refers only to the perticuler item submitted for calibration .
4. The certificate shall not be reproduced except in full unless written permission for the publication of an approved abstract has been obtained from the technical manager of QCC lab solution Pvt. Ltd. Navi Mumbaii.
5. As found ;As left
6. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
7. Calibration point don as per customer request

Calibrated by

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

Authorised Signatory

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708

mylabequipments.com
support@mylabequipments.com

QCC LAB SOLUTIONS PVT. LTD.

Equipment Sales & Calibration Services

Format No: QCC/DG/01 Rev. No.- 00

CALIBRATION CERTIFICATE

Calibration Certificate No.	: **QCC-2303-16030**
Calibration Report Date	: **01/12/2025**
Customer Name	: **M/s. ZEDZEO SYSTEMS PRIVET LIMITED**
Site Address	: **Navi Mumbai**
Date of Calibration	: **01/04/2025**
Calibration Due Date (as per customer requirment)	: **01/04/2026**

DETAILS OF UNIT UNDER CALIBRATION

Equipement Description	: **Analog Dial Gauge**
Id of UUC	: **ZSPL/DG/02**
Make.	: **BAKER**
Model No.	: **FJA452**
Range (mm)	: **0-25 mm**
Resolution (mm)	: **0.01**

DETAIL OF MASTER EQUIPMENT USED FOR CALIBRATION

Master Equipement Description	Range	Calibration Certificate No.	Make	Calibration Date	Calibration Date
Dial calibration Tester	0-25 mm	M-210209-25-1	Reddy Instruments	05/09/2024	05/09/2025

Calibration Method : **IS 2092 -1983, QCC/SOP/15**

Calibration Done on Location : **AT LAB**

Room Temp. (°C) & Humadity (%RH) : **20.1 & 56**

Unit of Measurement : mm

Sr.No.	Set point on DUC	Reading on master (Avg.)	Deviation/Error	Expanded Uncertainty in ±
1	0.0	0.0000	0.0000	
2	2.5	2.5003	0.0003	
3	5.0	5.0009	0.0009	
4	7.5	7.5085	0.0085	
5	10.0	10.0013	0.0013	
6	12.5	12.5019	0.0019	0.007
7	15.0	15.0064	0.0064	
8	17.5	17.5068	0.0068	
9	20.0	20.0084	0.0084	
10	22.5	22.5093	0.0093	
11	25.0	25.0092	0.0092	

Remarks:

1. DUC stands for device under calibration.
2. The certificate shall refers only to the perticuler item submitted for calibration .
3. The certificate shall not be reproduced exceppt in full unless written permission for the publication of an approved abstract has been obtained from the the technical manager of QCC lab solution Pvt. Ltd. Navi Mumbaii.
4. As found ;As left
5. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
6. Calibration point don as per customer request

(Calibrated By)

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

(Authorised Signatory)

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708

QCC LAB SOLUTIONS PVT. LTD.

Equipment Sales & Calibration Services

Format No: QCC/DG/01 Rev. No.- 00

CALIBRATION CERTIFICATE

Calibration Certificate No.	: **QCC-2303-16031**
Calibration Report Date	: **01/04/2025**
Customer Name	: **M/s. ZEDZEO SYSTEMS PRIVET LIMITED**
Site Address	: **Navi Mumbai**
Date of Calibration	: **01/04/2025**
Calibration Due Date (as per customer requirment)	: **01/04/2026**

DETAILS OF UNIT UNDER CALIBRATION

Equipement Description	: **Analog Dial Gauge**
Id of UUC	: **ZSPL/DG/01**
Make.	: **BAKER**
Model No.	: **FIB564**
Range (mm)	: **0-25 mm**
Resolution (mm)	: **0.01**

DETAIL OF MASTER EQUIPMENT USED FOR CALIBRATION

Master Equipement Description	Range	Calibration Certificate No.	Make	Calibration Date	Calibration Date
Dial calibration Tester	0-25 mm	M-210209-25-1	Reddy Instruments	05/09/2024	05/09/2025

Calibration Method : **IS 2092 -1983, QCC/SOP/15**

Calibration Done on Location : **AT LAB**

Room Temp. (°C) & Humadity (%RH) : **20.4 & 53** **Unit of Measurement : mm**

Sr.No.	Set point on DUC	Reading on master (Avg.)	Deviation/Error	Expanded Uncertainty in ±
1	0.0	0.0000	0.0000	0.007
2	2.5	2.4984	-0.0016	
3	5.0	4.9992	-0.0008	
4	7.5	7.4968	-0.0032	
5	10.0	9.9983	-0.0017	
6	12.5	12.4846	-0.0154	
7	15.0	14.9854	-0.0146	
8	17.5	17.4837	-0.0163	
9	20.0	19.9914	-0.0086	
10	22.5	22.4911	-0.0089	
11	25.0	24.9930	-0.0070	

Remarks:

1. DUC stands for device under calibration.
2. The certificate shall refers only to the perticuler item submitted for calibration .
3. The certificate shall not be reproduced exceppt in full unless written permission for the publication of an approved abstract has been obtained from the the technical manager of QCC lab solution Pvt. Ltd. Navi Mumbaii.
4. As found ;As left
5. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
6. Calibration point don as per customer request

(Calibrated By)

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

(Authorised Signatory)

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708

mylabequipments.com
support@mylabequipments.com

QCC LAB SOLUTIONS PVT. LTD.
Equipment Sales & Calibration Services

Format No: QCC/DG/01 Rev. No.- 00

CALIBRATION CERTIFICATE

Calibration Certificate No.	: **QCC-2303-16032**
Calibration Report Date	: **01/04/2025**
Customer Name	: **M/s. ZEDZEO SYSTEMS PRIVET LIMITED**
Site Address	: **Navi Mumbai**
Date of Calibration	: **01/4/2025**
Calibration Due Date (as per customer requirment)	: **01/04/2026**

DETAILS OF UNIT UNDER CALIBRATION

Equipement Description	: **Analog Dial Gauge**
Id of UUC	: **ZSPL/DG/02**
Make.	: **BAKER**
Model No.	: 215357
Range (mm)	: **0-25 mm**
Resolution (mm)	: **0.01**

DETAIL OF MASTER EQUIPMENT USED FOR CALIBRATION

Master Equipement Description	Range	Calibration Certificate No.	Make	Calibration Date	Calibration Date
Dial calibration Tester	0-25 mm	M-210209-25-1	Reddy Instruments	05/09/2024	05/09/2025

Calibration Method : **IS 2092 -1983, QCC/SOP/15**
Calibration Done on Location : **AT LAB**
Room Temp. (°C) & Humadity (%RH) : **20.1 & 56** **Unit of Measurement : mm**

Sr.No.	Set point on DUC	Reading on master (Avg.)	Deviation/Error	Expanded Uncertainty in ±
1	0.0	0.0000	0.0000	
2	2.5	2.5003	0.0003	
3	5.0	5.0009	0.0009	
4	7.5	7.5085	0.0085	
5	10.0	10.0013	0.0013	
6	12.5	12.5019	0.0019	0.007
7	15.0	15.0064	0.0064	
8	17.5	17.5068	0.0068	
9	20.0	20.0084	0.0084	
10	22.5	22.5093	0.0093	
11	25.0	25.0092	0.0092	

Remarks:

1. DUC stands for device under calibration.
2. The certificate shall refers only to the perticuler item submitted for calibration .
3. The certificate shall not be reproduced exceppt in full unless written permission for the publication of an approved abstract has been obtained from the the technical manager of QCC lab solution Pvt. Ltd. Navi Mumbaii.
4. As found ;As left
5. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
6. Calibration point don as per customer request

(Calibrated By)

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

(Authorised Signatory)

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708

mylabequipments.com
support@mylabequipments.com

QCC LAB SOLUTIONS PVT. LTD.
Equipment Sales & Calibration Services

Format No: QCC/DG/01 Rev. No.- 00

CALIBRATION CERTIFICATE

Calibration Certificate No.	: **QCC-2303-16034**
Calibration Report Date	: **01/04/2025**
Customer Name	: **M/s. ZEDZEO SYSTEMS PRIVET LIMITED**
Site Address	: **Navi Mumbai**
Date of Calibration	: **01/04/2025**
Calibration Due Date (as per customer requirment)	: **01/04/2026**

DETAILS OF UNIT UNDER CALIBRATION

Equipement Description	: **Analog Dial Gauge**
Id of UUC	: **ZSPL/DG/04**
Make.	: BAKER
Model No.	: **214954**
Range (mm)	: **0-25 mm**
Resolution (mm)	: **0.01**

DETAIL OF MASTER EQUIPMENT USED FOR CALIBRATION

Master Equipement Description	Range	Calibration Certificate No.	Make	Calibration Date	Calibration Date
Dial calibration Tester	0-25 mm	M-210209-25-1	Reddy Instruments	05/09/2024	05/09/2025

Calibration Method : **IS 2092 -1983, QCC/SOP/15**
Calibration Done on Location : **AT LAB**
Room Temp. (°C) & Humadity (%RH) : **20.3 & 56**
Unit of Measurement : mm

Sr.No.	Set point on DUC	Reading on master (Avg.)	Deviation/Error	Expanded Uncertainty in ±
1	0.0	0.0000	0.0000	0.007
2	2.5	2.4991	-0.0011	
3	5.0	4.9995	-0.0005	
4	7.5	7.4976	-0.0024	
5	10.0	9.9997	-0.0003	
6	12.5	12.4967	-0.0033	
7	15.0	14.9941	-0.0059	
8	17.5	17.4936	-0.0064	
9	20.0	19.9985	-0.0015	
10	22.5	22.4969	-0.0031	
11	25.0	24.9990	-0.0010	

Remarks:

1. DUC stands for device under calibration.
2. The certificate shall refers only to the perticuler item submitted for calibration .
3. The certificate shall not be reproduced exceppt in full unless written permission for the publication of an approved abstract has been obtained from the the technical manager of QCC lab solution Pvt. Ltd. Navi Mumbaii.
4. As found ;As left
5. The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
6. Calibration point don as per customer request

(Calibrated By)

QCC LAB SOLUTIONS PVT. LTD. NAVI MUMBAI Sales & Calibration

(Authorised Signatory)

HEAD OFFICE: ROHIT PANDEY
MOB: 9768120050
rohit@qcclabsolutions.com

SALES: ABHINAV TRIPATHI
MOB: 8369458583/8572995533
abhinav@qcclabsolutions.com

CALIBRATION: RATNESH GOEL
MOB: 9452200078
ratnesh@qcclabsolutions.com

OFFICE: U78, Ground Floor, Sector-4, Airoli, Navi Mumbai-400708