



**National Accreditation Board for  
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



**CERTIFICATE OF ACCREDITATION**

**TECHPRO ENGINEERS PVT. LTD.  
(LABORATORY DIVISION)**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2005**

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

131, 1st Floor, Patparganj, Industrial Area, Delhi

in the field of

**TESTING**

Certificate Number TC-6958

Issue Date 05/03/2018

Valid Until 04/03/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL

N. Venkateswaran  
Program Director



89076970100030001149

Anil Relia  
Chief Executive Officer



# National Accreditation Board for Testing and Calibration Laboratories

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## SCOPE OF ACCREDITATION

**Laboratory** Techpro Engineers Pvt. Ltd., (Laboratory Division), 131, 1st Floor, Patparganj, Industrial Area, Delhi

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-6958 **Page 1 of 2**

**Validity** 05.03.2018 to 04.03.2020 **Last Amended on --**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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### MECHANICAL TESTING

I.	SOIL & ROCK			
1.	Soil	Natural Moisture contents	IS: 2720 (Part II)-1973 RA 2015	0.10% to 50%
		Specific gravity Test (Fine Grained Soil)	IS: 2720 (Part III-sec1)-1980.RA 2016	1.2 to 3
		Specific gravity Test (Coarse Grained Soil)	IS: 2720 (Part III-sec2)-1980.RA 2016	1.2 to 3
		Grain Size analysis	IS: 2720 (Part-IV) –1985. RA 2015	1% to 100% (80mm-75 μ)
		Hydrometer analysis	IS: 2720 (Part IV)-1985, RA 2015	1% to 100% (75 μ to 1 μ)
		Liquid Limit	IS: 2720 (Part V)-1985. RA 2015	15% to 300%
		Plastic Limits	IS: 2720 (Part V)-1985. RA 2015	10% to 30%
		Shrinkage Limit	IS: 2720 (Part VI)-1972. RA 2016	2% to 25%
		Compaction Test (Light) (Dry Density and O.M.C)	IS: 2720 (Part VII)-1980. RA 2016	0 to 20% 0.50 to 2.50 (g/cc)
		Compaction Test (Heavy) (Dry Density and O.M.C)	IS: 2720 (Part VIII)-1983. RA 2015	0 to 20% 0.50 to 2.50 (g/cc)
		Unconfined compressive strength	IS: 2720 (Part X)-1991 RA 2015	C=0 to 4 kg/ cm <sup>2</sup>
		Tri-axial Compression Test (Unconsolidated Un-drained)	IS:2720 (Part XI)-1993, RA 2016	C=0 to 7.5 kg/cm <sup>2</sup> ϕ = 0 to 50°

Vivek Vardhan  
Convenor

N. Venkateswaran  
Program Director





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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Direct shear Test	IS: 2720 (Part XIII)1986 Raff-2015	C=0 to 1kg/cm <sup>2</sup> Ø = 0 to 50°
		Consolidation Test	IS: 2720 (Part XV)-1986, RA 2016	0.10 kg/cm <sup>2</sup> to 8.00 kg/cm <sup>2</sup>
		CBR	IS 2720 – (Part 16) 1987, RA 2016	1 %to 35%
		Falling Head permeability test	IS 2720 – (Part 17) 1986, RA 2016	10 <sup>-1</sup> to 10 <sup>-8</sup> cm/sec
		Constant Head permeability test	IS 2720- (Part 36)-1987, RA 2016	10 <sup>-1</sup> to 10 <sup>-8</sup> cm/sec
		Free Swell Index	IS 2720 (Part 40) -1977, RA 2016	0 to 750%
2.	Rock	Unconfined Compressive strength	IS: 9143-1979 RA 2016	2 N/mm <sup>2</sup> to 300 N/mm <sup>2</sup>
		Water Absorption	IS 13030-1991, RA 2016	0.01% to 25%
		Density	IS 13030-1991, RA 2016	0.50 g/cc to 3.50 g/cc
		Point load test	IS 8764 -1998, RA 2014	0.1 to 25 N/mm <sup>2</sup>

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