

Data for 2016 to 2018: Three Year

	<b>Soil Mechanics Lab</b>	Testing				9,92,515 approx.
	<b>Concrete Lab</b>	Testing				38,23,214 approx.
	<b>Highway Lab</b>	Testing				25,24,779 approx.
	<b>PHE</b>	Testing				3,50,000 approx.
	<b>SOM</b>	Testing				5,40,000 approx.
					<b>TOTAL</b>	<b>10080813</b>

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 474005 (M.P.)**  
**(A Govt. Aided UGC Autonomous**  
**Institute Affiliated to RGPV Bhopal)**

Proposed

**Order No.2559 dt. 27.7.2018**

W.E.F. 01/08/2018

S.No.	Test	Testing/ Consultancy Charges	Development Fund 15%	Director Reserve Fund 10%	Student Support Fund 5%	Total	Central GST 9%	State GST 9%	Total Amount
1	Bearing Capacity of Soil by Plate load Test (at site )	20000	3000	2000	1000	26000	2340	2340	30680
2	Bearing Capacity of Soil by SPT Test (at site )	8000	1200	800	400	10400	936	936	12272
3	Bearing Capacity of Soil in laboratory	8000	1200	800	400	10400	936	936	12272
4	O.M.C. And M.D.D. of Soil	1000	150	100	50	1300	117	117	1534
5	Permeability of Soil	1500	225	150	75	1950	176	176	2301
6	Grain Size analysis mechanical method	800	120	80	40	1040	94	94	1227
7	Classification of Soil	1000	150	100	50	1300	117	117	1534
8	L.L., P.L. And P.I.	1500	225	150	75	1950	176	176	2301
9	C.B.R. Test	2000	300	200	100	2600	234	234	3068
10	Swelling Pressure	800	120	80	40	1040	94	94	1227
11	C and O Test	3000	450	300	150	3900	351	351	4602
12	Uniaxial compressive strength of stone sample	2000	300	200	100	2600	234	234	3068
13	Determination of C.C. And Cu of soil	1500	225	150	75	1950	176	176	2301
14	Field density by core cutter in laboratory	800	120	80	40	1040	94	94	1227
15	Field density by Sand replacement at site	3000	450	300	150	3900	351	351	4602
16	Free swell index	800	120	80	40	1040	94	94	1227
17	Silt factor	2000	300	200	100	2600	234	234	3068
18	Plotting of Graph	1000	150	100	50	1300	117	117	1534
19	Hydrometer analysis	1500	225	150	75	1950	176	176	2301

Note:

- 1 For test No. 1 , 2 & 15 Labour required at site, conveyance to staff and transportations for equipment and lodging and boarding to staff is provided by the agency.
- 2 Field visit charges will be extra as mentioned below.
  - (i) Faculty Rs. 2000/- per day, Supporting staff Rs. 700/- per day, Class IV 300/- per day (up to 50 km.) from institute
  - (ii) Faculty Rs.3000/- per day, Supporting staff Rs. 1000/- per day, Class IV 500/- per day (beyond 50 km.) from institute

**(Prof. S.K. Jain )**  
**Prof. I/c Soil Lab**

**(Prof. A. Tiwari )**  
**H.C.E.D.**

**Dr. R. K. Pandit**  
**Director**



**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 474005 (M.P.)**

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**Revised Rate list of Highway Engg. Lab.**

**Aggregate & Sand**

**Order No.2559 dt. 27.7.2018**

W.E.F. 01/08/2018

S.No.	Test	Testing/ Consultancy Charges	Development Fund 15%	Director Reserve Fund 10%	Student Support Fund 5%	Total	Central GST 9%	State GST 9%	Total Amount
1	Gradation	600	90	60	30	780	71	71	922
2	Fineness Modulus	600	90	60	30	780	71	71	922
3	Aggregate Crushing Value	1000	150	100	50	1300	117	117	1534
4	Aggregate Impact Value	800	120	80	40	1040	94	94	1228
5	Los aniges abrasion value	1200	180	120	60	1560	141	141	1842
6	Soundness	4000	600	400	200	5200	468	468	6136
7	Flakiness index	600	90	60	30	780	71	71	922
8	Elongation	600	90	60	30	780	71	71	922
9	Angularity number	600	90	60	30	780	71	71	922
10	Specified Gravity	600	90	60	30	780	71	71	922
11	Bulkdensity	600	90	60	30	780	71	71	922
12	% Air Viods	600	90	60	30	780	71	71	922
13	Water absorption test	600	90	60	30	780	71	71	922
14	Bulking of Sand	600	90	60	30	780	71	71	922
15	Striping test for aggregate	1200	180	120	60	1560	141	141	1842
16	Load for 10% fine value	1500	225	150	75	1950	176	176	2302
17	Surface moisture	600	90	60	30	780	71	71	922
18	Organic Impurities	600	90	60	30	780	71	71	922
<b><u>Test for Bitumen</u></b>									
1	Pour / Point test	600	90	60	30	780	71	71	922
2	Ductility test	1000	150	100	50	1300	117	117	1534
3	Penetration test	1000	150	100	50	1300	117	117	1534
4	Softening Point test	1000	150	100	50	1300	117	117	1534
5	Bitumen content determination	1000	150	100	50	1300	117	117	1534
6	Specified Gravity test	600	90	60	30	780	71	71	922
7	Design of Bitumen mixes by marshal test (Mix Design job mis)	10000	1500	1000	500	13000	1170	1170	15340
8	Loss on heating	1000	150	100	50	1300	117	117	1534
9	Flash & Fire point of Bitumen	1000	150	100	50	1300	117	117	1534
10	Marshall stability	2400	360	240	120	3120	281	281	3682
<b><u>Test for Tiles</u></b>									
1	Water absorption test	600	90	60	30	780	71	71	922

**Dr. M.K. Trivedi**  
Prof. I/c Highway Lab

**Prof. Archana Tiwari**  
Head, Civil Engg. Deptt.

**Dr. R. K. Pandit**  
Director



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**Civil Engineering Department**

**Concrete Lab.**

**Order No.2559 dt. 27.7.2018**

W.E.F. 01/08/2018

S. No	Test	Testing/ Consultancy Charges	Development Fund 15%	Director Reserve Fund 10%	Student Support Fund 5%	Sub Total	CGST 9%	SGST 9%	Grand Total
1	<b>Cement-</b> Standard Consistency	500	75	50	25	650	59	59	768
	Initial setting Time	600	90	60	30	780	71	71	922
	Final Setting Time	600	90	60	30	780	71	71	922
	Compressive Strength - 3 days	600	90	60	30	780	71	71	922
	Compressive Strength - 7 days	600	90	60	30	780	71	71	922
	Compressive Strength - 28 days	600	90	60	30	780	71	71	922
	Soundness	600	90	60	30	780	71	71	922
	Sp. Gravity of cement	600	90	60	30	780	71	71	922
2	Fineness / grading of sand & Agregate	600	90	60	30	780	71	71	922
3	<b>Brick -</b> Physical Dimension	200	30	20	10	260	24	24	308
	Compressive Strength	800	120	80	40	1040	94	94	1228
	Water absorption	600	90	60	30	780	71	71	922
	Efflorescence	600	90	60	30	780	71	71	922
	Physical test	600	90	60	30	780	71	71	922
4	<b>Cube</b> Compressive strength	600	90	60	30	780	71	71	922
5	Sp. Gravity Test of aggregate (fine or course agg.)	600	90	60	30	780	71	71	922
6	Cylinder test for concrete	600	90	60	30	780	71	71	922
7	Modulus of Rupture of Concrete	1000	150	100	50	1300	117	117	1534
8	Hammer Test (Non Destructive) on Concrete	7000	1050	700	350	9100	819	819	10738
9	Preparation of briquette of cube etc.	600	90	60	30	780	71	71	922
10	Concrete Mix design	10000	1500	1000	500	13000	1170	1170	15340
11	Bulk modulus of aggregate / sand / Cement	600	90	60	30	780	71	71	922
12	Concrete core cutting & testing (3 samples )	3000	450	300	150	3900	351	351	4602
13	Beam testing of flexual strength	1000	150	100	50	1300	117	117	1534
14	Bar loating / cover measurement	5000	750	500	250	6500	585	585	7670
15	Crack identification & measurement	8000	1200	800	400	10400	936	936	12272
16	Bulking of fine aggregate	800	120	80	40	1040	94	94	1228

**Note:** 1. The rates for Sr. NO. 3,4,6,9,12,14 are for a set of min 03 samples / test.

2. For any other test rates will be decided by lab incharge & Head Civil Engg. Deptt. After getting approval from Director MITS

(Dr. S.K. Jain )

I/c Testing

(Dr. S.Tiwari )

Prof. Incharge

(Prof. Archana Tiwari )

HCED

Dr. R. K. Par

Director





**P.V. INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 4**  
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**REVISED RATE LIST FOR TESTING & CONSULTANCY, PHE LAE**

S. No.	TEST	Testing / Consultancy Charges (Rs.)	Development Fund 15% (Rs.)
1	Temperature, Colour, Taste, Odour, Threshold Odour Number <b>(Each Parameter)</b>	300	45
2	Analysis of Solids (Total Dissolved Solids, Total Suspended Solids, Settleable Solids, Volatile Solids, Fixed Solids) <b>(Each Parameter)</b>	400	60
3	pH, Turbidity, Electrical Conductivity <b>(Each Parameter)</b>	500	75
4	Alkalinity, Acidity, Hardness <b>(Each Parameter)</b>	600	90
5	Chloride, D.O., Sulphate, Calcium, Magnesium, Carbonate, Bicarbonate, Residual Chlorine <b>(Each Parameter)</b>	800	120
6	B.O.D. & C.O.D. Analysis <b>(Each Parameter)</b>	1000	150
7	Fluoride, Sodium, Potassium, Iron, Free Carbon Dioxide <b>(Each Parameter)</b>	1100	165
8	MPN, Phosphorus, Nitrate, Oil & Grease <b>(Each Parameter)</b>	1200	180
9	Heavy Metal and other elements <b>(Each Parameter)</b>	1500	225
10	Water for Construction Purpose <b>(Listed Parameters : pH, Alkalinity, Acidity, Total Solids, Total Suspended Solids, Total Dissolved Solids, Chlorides, Hardness, Sulphates*)</b>	2700	405
11	Water for Drinking Purpose <b>(Listed Parameters : pH, Temperature, Colour, Taste, Odour, Turbidity*, Alkalinity, Acidity, Total Solids, Total Suspended Solids, Total Dissolved Solids, Chlorides, Hardness, D.O., MPN*)</b>	3200	480
12	Sodium Adsorption Ratio (SAR)	2500	375
13	Available chlorine content in Bleaching Powder	2500	375
14	Chlorine Demand of Water	1800	270
15	Test of Available Lime	2500	375
16	Purity of Alum	2000	300
17	Water Absorption of Bricks / Woods / Any other Material	750	113
18	Chemical Analysis of Cement	5000	750
19	Determination of Silica Content in filter sand	4500	675
20	Site Visiting charges <b>(Per Site)</b> / Sample Collection charges	2000	300
21	Site Visiting charges <b>(Per Site)</b> / Sample Collection charges	3500	525
22	Site Visiting charges <b>(Per Site)</b> / Sample Collection charges	800	120
23	Site Visiting charges <b>(Per Site)</b> / Sample Collection charges	1400	210
24	Site Visiting charges <b>(Per Site)</b> / Sample Collection charges	280	42



25	Site Visiting charges ( <b>Per Site</b> ) / Sample Collection charges	490	74
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**NOTE:**

- 1 For Water samples mentioned in **S. No.s 10 & 11**, testing of certain parameters marked \* will d
- 2 For Testing of Waste Water samples for various purposes & Water for other purposes (except n
- 3 For any other test, rates will be decided by Lab Incharge & Head Civil Engg. Deptt. after gettin
- 4 For Site visit / Sample Collection, the conveyance will be provided by the client.
- 5 Results of various tests being conducted as per **S.No.s 1 to 19** is subjected to the sample, they w

**Prof. Aditya Kumar Agarwal**  
**Prof. I/c PHE Lab**

**Prof. Archana Tiwari**  
**Head, Civil Engg. Deptt.**

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**3, CIVIL ENGG. DEPTT. w.e.f. 1.8.2018**

Director Reserve Fund 10% (Rs.)	Student Support Fund 5% (Rs.)	Total (Rs.)	CGST @ 9% (Rs.)	SGST @ 9% (Rs.)	Total Amount (Rs.)
30	15	390	36	36	462
40	20	520	47	47	614
50	25	650	59	59	768
60	30	780	71	71	922
80	40	1040	94	94	1228
100	50	1300	117	117	1534
110	55	1430	129	129	1688
120	60	1560	141	141	1842
150	75	1950	176	176	2302
270	135	3510	316	316	4142
320	160	4160	375	375	4910
250	125	3250	293	293	3836
250	125	3250	293	293	3836
180	90	2340	211	211	2762
250	125	3250	293	293	3836
200	100	2600	234	234	3068
75	38	976	88	88	1152
500	250	6500	585	585	7670
450	225	5850	527	527	6904
200	100	2600	234	234	3068
350	175	4550	410	410	5370
80	40	1040	94	94	1228
140	70	1820	164	164	2148
28	14	364	33	33	430

49	25	638	58	58	754
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depend upon the availability of chemicals & equipments in the mentioned at **S.No.s 10 & 11**), the client need to specify the g approval from the Director, MITS Gwalior.

will not attract any legal complications.

**Dr. R. K. Pandit**  
**Director**

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**Civil Engineering Department**  
**Strength of Material Lab.**

**W.E.F. 01/08/2018, as per order No. 2559 dated 27/07/2018**

**Revised Rate list**

S. No.	Test	Testing/ Consultancy Charges	Institute Development Fund 15%	Director Reserve Fund 10%	Student Support Fund 05%	Sub Total (Rs.)	CGST 09%	SGST 09%
1	Physical Verification	500	75	50	25	<b>650</b>	59	59
2	Physical & Tensile	800	120	80	40	<b>1040</b>	94	94
3	Physical, Tensile & Yield	1200	180	120	60	<b>1560</b>	140	140
4	Physical, Tensile & Bend	1200	180	120	60	<b>1560</b>	140	140
5	Physical, Tensile, Bend & Rebend	1500	225	150	75	<b>1950</b>	176	176
6	Physical, Tensile, Bend, Rebend & Yield	1800	270	180	90	<b>2340</b>	211	211
7	Calibration of m/c	4000	600	400	200	<b>5200</b>	468	468
8	Crushing Strength	800	120	80	40	<b>1040</b>	94	94
9	Transverse Strength	2500	375	250	125	<b>3250</b>	293	293

**NOTE:- For any other item rates will be decided by lab. Incharge & Head Civil Engg. Deptt.**

**(Dr. R. Kansal)**  
Prof. I/C Testing

**(Prof. A. Tiwari)**  
Prof. I/C SM Lab & HCED

**(Dr. R.K. Patil)**  
DIRECTOR

R

<b>Total Amt. (Rs.)</b>
<b>768</b>
<b>1228</b>
<b>1841</b>
<b>1841</b>
<b>2302</b>
<b>2762</b>
<b>6136</b>
<b>1228</b>
<b>3836</b>

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OR