

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

(Deemed University)

Civil Engineering Department

REVISED RATE LIST FOR TESTING & CONSULTANCY, CONCRETE LAB, CIVIL ENGG. DEPTT

S. No	Test	Testing/ Consultancy Charges	Development Fund 15%	VC Reserve Fund 10%	Student Support Fund 5%	Sub Total	CGST 9%	SGS T 9%	Grand Total
1	<b>Cement-</b>								
	Standard Consistency	600	90	60	30	780	70	70	920
	Initial setting Time	1000	150	100	50	1300	117	117	1534
	Final Setting Time	1000	150	100	50	1300	117	117	1534
	Initial & Final Setting Time	1500	225	150	75	1950	176	176	2301
	Compressive Strength - 3 days	1500	225	150	75	1950	176	176	2301
	Compressive Strength - 7 days	1500	225	150	75	1950	176	176	2301
	Compressive Strength - 28 days	1500	225	150	75	1950	176	176	2301
	Compressive Strength - 03, 07 & 28 days	3500	525	350	175	4550	410	410	5369
	Soundness	1000	150	100	50	1300	117	117	1534
	Sp. Gravity of cement	1000	150	100	50	1300	117	117	1534
2	<b>Grading of sand &amp; Aggregate</b>								
	Grading of sand & Aggregate	1000	150	100	50	1300	117	117	1534
	Fineness Modulus	1500	225	150	75	1950	176	176	2301
3	<b>Brick -</b>								
	Physical Dimension	500	75	50	25	650	59	59	767
	Compressive Strength	1000	150	100	50	1300	117	117	1534
	Water absorption	1000	150	100	50	1300	117	117	1534
	Efflorescence	1000	150	100	50	1300	117	117	1534
	Physical test	1000	150	100	50	1300	117	117	1534
4	<b>Concrete Cube - Compressive strength</b>	1000	150	100	50	1300	117	117	1534
5	<b>Sp. Gravity Test of aggregate (fine or coarse aggregate)</b>	1000	150	100	50	1300	117	117	1534
6	<b>Cylinder test for concrete</b>	1000	150	100	50	1300	117	117	1534
7	<b>Modulus of Rupture of Concrete</b>	1500	225	150	75	1950	176	176	2301
8	<b>*Hammer Test (Non Destructive) on Concrete per member</b>	7000	1050	700	350	9100	819	819	10738
9	<b>Concrete Mix design (Without admixture)</b>	12000	1800	1200	600	15600	1404	1404	18408
10	<b>Concrete Mix design (With admixture)</b>	15000	2250	1500	750	19500	1755	1755	23010
11	<b>*Concrete core cutting &amp; testing (3 samples)</b>	3000	450	300	150	3900	351	351	4602
12	<b>Beam testing for flexural strength</b>	2000	300	200	100	2600	234	234	3068
13	<b>Bar locating/cover measurement per member</b>	7500	1125	750	375	9750	878	878	11505
14	<b>*Crack identification &amp; measurement</b>	8000	1200	800	400	10400	936	936	12272
15	<b>Bulking of fine aggregate</b>	1500	225	150	75	1950	176	176	2301

Note: 1. The rates for S.No. 3, 4, 6, 12 are for a set of min 03 samples are required for test.

2 For any other test rates will be decided by lab Incharge & Head Civil Engg. Deptt. after getting approval from V.C. MITS

3 \*Field visit charges will be extra as mentioned below -

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(i) Faculty: Rs. 3000/- per location; Supporting staff Rs. 1000/- per Location; Class IV 500/- per Location (up to 50 l institute)

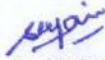
(ii) Faculty: Rs. 5000/- per Location; Supporting staff Rs. 1500/- per Location; Class IV 750/- per Location (beyond 50 l from institute)

4. For tests at S.No. 9 & 10, 50% of total charges may be considered as consultancy charges.

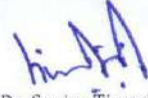
Note: For any other item rates will be decided by lab. Incharge & Head Civil Engg. Deptt.



Dr. Hemant Shrivastava  
Assistant Professor

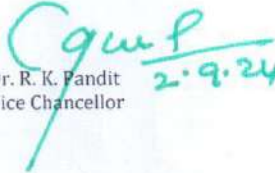


Dr. S.K. Jain  
I/c Testing



Dr. Sanjay Tiwari  
Prof. I/c Concrete Lab. & HOD

Submitted for Approval



2.9.24

Dr. R. K. Pandit  
Vice Chancellor

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 474005**  
(Deemed University)  
NAAC Accredited with A++ Grade

**REVISED RATE LIST FOR TESTING & CONSULTANCY, PHE LAB, CIVIL ENGG. DEPTT.**

S. No	TEST	Testing / Consultancy Charges (Rs.)	Development Fund 15% (Rs.)	VC Reserve Fund 10% (Rs.)	Student Support Fund 5% (Rs.)	Total (Rs.)	CGST @ 9% (Rs.)	SGST @ 9% (Rs.)	Total Amount (Rs.)
1	Temperature, Colour, Taste, Odour (Each Parameter)	350	53	35	18	456	41	41	538
2	pH, Turbidity, Electrical Conductivity (Each Parameter)	650	98	65	33	846	77	77	1000
3	Total Solids (Total Dissolved Solids, Total Suspended Solids)	500	75	50	25	650	59	59	768
4	Alkalinity, Acidity, Hardness, Chloride (Each Parameter)	750	113	75	38	976	88	88	1152
5	(Settleable Solids, Volatile Solids and Fixed Solids) (Each Parameter)	550	83	55	28	716	65	65	846
6	D.O., Sulphate, Calcium, Magnesium, Residual Chlorine (Each Parameter)	1000	150	100	50	1300	117	117	1534
7	B.O.D. Analysis, C.O.D. Analysis (Each Parameter)	1300	195	130	65	1690	152	152	1994
8	Fluoride, Sodium, Potassium, Iron (Each Parameter)	1400	210	140	70	1820	164	164	2148
9	MPN, Phosphorus, Nitrate, Oil & Grease (Each Parameter)	1550	233	155	78	2016	182	182	2380
10	Water for Construction Purpose (Listed Parameters : pH, Alkalinity, Acidity, Total Solids, Total Suspended Solids, Total Dissolved Solids, Chlorides, Hardness, Sulphate)	3500	525	350	175	4550	410	410	5370
11	Water for Drinking Purpose (Listed Parameters : pH, Temperature, Colour, Taste, Odour, Turbidity, Alkalinity, Acidity, Total Solids, Total Suspended Solids, Total Dissolved Solids, Chlorides, Hardness)	4100	615	410	205	5330	480	480	6290
12	Heavy Metal and other elements (Each Parameter)	2000	300	200	100	2600	234	234	3068
13	Available chlorine content in Bleaching Powder	3250	488	325	163	4226	381	381	4988
14	Chlorine Demand of Water	2300	345	230	115	2990	180	180	3350
15	Dosage of Alum	2000	300	200	100	2600	234	234	3068
16	Site Inspection charges (Including sample collection) (Per Site) (within Gwalior district) for faculty	2600	-	-	-	2600	234	234	3068

*B*


*h=*


17	Site Inspection charges (Including sample collection) (Per Site) (Outside Gwalior district) for faculty	4500	-	-	-	4500	405	405	5310
18	Site Inspection charges (Including sample collection) (Per Site) (within Gwalior district) for technical staff	1000	-	-	-	1000	90	90	1180
19	Site Inspection charges (Including sample collection) (Per Site) (Outside Gwalior district) for technical staff	1800	-	-	-	1800	162	162	2124

**NOTE:**

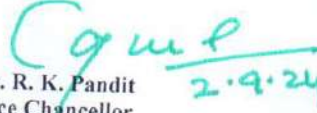
- 1 If the client wishes to get any other parameters tested in addition to the one mentioned at S. No.s 10 & 11, they need to specify it clearly, the charges for the same will be added accordingly from above mentioned S.No.s 1 to 9, 12 (per sample).
- 2 For Testing of Waste Water samples for various purposes & Water for other purposes (except mentioned at S.No.s 10 & 11), the client need to specify the parameters which they want to get tested. The total amount of testing will be charged by aggregating the cost of each parameter from above mentioned S. No.s 1 to 9, 12 (per sample).
- 3 For any other test, rates will be decided by Lab Incharge & Head Civil Engg. Deptt. after getting approval from the concerned authorities
- 4 For Site Inspection within Gwalior district, the conveyance will be provided by the client. For Site Inspection outside Gwalior district, the conveyance, boarding, loading and other logistics will be provided by the client
- 5 Results of various tests being conducted as per S.No.s 1 to 15 is subjected to the sample, they will not attract any legal complications.

  
Dr. Prachi Singh  
I/c Testing

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

  
Dr. Sanjay Tiwari  
Professor & Head

Submitted For Approval

  
Dr. R. K. Pandit  
Vice Chancellor  
2.9.24

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

**Civil Engineering Department**  
**REVISED RATE LIST FOR TESTING & CONSULTANCY, HIGHWAY ENGINEERING LAB,**  
**CIVIL ENGG. DEPTT.**

S.No.	Test	Testing/Consultancy Charges	Development Fund 15%	Student Support Fund (5%)	VC Reserve Fund 10%	Central GST 9%	State GST 9%	Total Amount
1	Gradation	1000	150	50	100	117	117	1534
2	Silt Content	700	105	35	70	82	82	1074
3	Fineness Modulus	1500	225	75	150	176	176	2301
4	Aggregate Crushing Value	1500	225	75	150	176	176	2301
5	Aggregate Impact Value	1200	180	60	120	140	140	1841
6	Los Angeles abrasion value	1500	225	75	150	176	176	2301
7	Soundness	4500	675	225	450	527	527	6903
8	Flakiness index	1000	150	50	100	117	117	1534
9	Elongation	1000	150	50	100	117	117	1534
10	Angularity number	800	120	40	80	94	94	1227
11	Specified Gravity	1000	150	50	100	117	117	1534
12	Bulk density	800	120	40	80	94	94	1227
13	% Air Voids	800	120	40	80	94	94	1227
14	Water absorption test	1000	150	50	100	117	117	1534
15	Bulking of Sand	1000	150	50	100	117	117	1534
16	Striping test for aggregate	1400	210	70	140	164	164	2148
17	Load for 10% fine value	2000	300	100	200	234	234	3068
18	Surface moisture	800	120	40	80	94	94	1227
19	Organic Impurities	800	120	40	80	94	94	1227

**Tests of Bitumen**

1	Pour / Point test	700	105	35	70	82	82	1074
2	Ductility test	1500	225	75	150	176	176	2301
3	Penetration test	1500	225	75	150	176	176	2301
4	Softening Point test	1500	225	75	150	176	176	2301
5	Bitumen content determination	1500	225	75	150	176	176	2301
6	Specific Gravity test	1000	150	50	100	117	117	1534
7	Design of Bitumen mixes by marshal test (Mix Design job mix)	15000	2250	750	1500	1755	1755	23010
8	Loss on heating	1200	180	60	120	140	140	1841
9	Flash & Fire point of Bitumen	1200	180	60	120	140	140	1841
10	Marshall stability	3000	450	150	300	351	351	4602

Field visit charges will be extra as mentioned below.

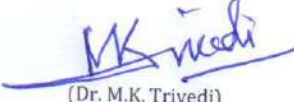
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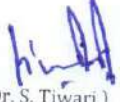
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(ii) Faculty: Rs. 5000/- per Location, Supporting staff Rs. 1500/- per Location, Class IV 750/- per Location (beyond 50 km. from institute.)

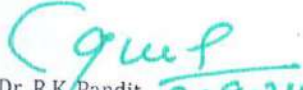
Note: For any other test rates will be decided by lab. Incharge & Head Civil Engg. Deptt.

  
(Prof. A.K. Dwivedi)  
I/c Testing

  
(Dr. M.K. Trivedi)  
I/c Highway Lab

  
(Dr. S. Tiwari)  
Professor & Head

Submitted for Approval

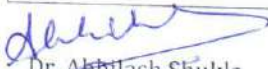
  
Dr. R.K. Pandit  
Vice Chancellor 2.9.24

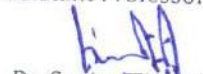
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - 474005 (M.P.)  
(Deemed University)

Civil Engineering Department

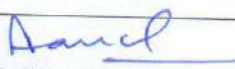
REVISED RATE LIST FOR TESTING & CONSULTANCY, STRENGTH OF MATERIAL LAB,  
CIVIL ENGG. DEPTT.

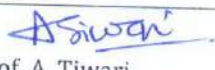
S. No	Test	Testing/ Consultancy Charges	Development Fund 15%	VC Reserve Fund 10%	Student Support Fund 5%	Sub Total	CGST 9%	SGST 9%	Total Amt.
1	Physical Verification	600	90	60	30	780	70	70	920
2	Physical Verification & Tensile Strength	1000	150	100	50	1300	117	117	1534
3	Physical Verification, Tensile strength & Bend test	1500	225	150	75	1950	176	176	2301
4	Physical Verification, Tensile Strength, Bend Rebend test	1700	255	170	85	2210	199	199	2608
5	Physical Verification, Tensile Strength & Yield Strength	1500	225	150	75	1950	176	176	2301
6	Calibration of m/c	5000	750	500	250	6500	585	585	7670
7	Transverse Strength	5000	750	500	250	6500	585	585	7670
Field visit charges will be extra as mentioned below.									
(i) Faculty: Rs. 3000/- per location; Supporting staff Rs. 1000/- per Location; Class IV 500/- per Location (up to 50 km. from institute.)									
(ii) Faculty: Rs. 5000/- per Location; Supporting staff Rs. 1500/- per Location; Class IV 750/- per Location (beyond 50 km. from institute.)									
Note: For any other test rates will be decided by lab. Incharge & Head Civil Engg. Deptt.									

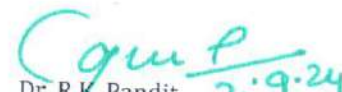
  
Dr. Anilash Shukla  
Assistant Professor

  
Dr. Sanjay Tiwari  
Professor & Head

Submitted for Approval

  
Dr. R. Kansal  
I/c Testing

  
Prof. A. Tiwari  
Prof. I/c Testing  
SM LAB.

  
Dr. R.K. Pandit  
Vice Chancellor

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

(Deemed University)

REVISED RATE LIST FOR TESTING & CONSULTANCY, SOIL MECHANICS LAB, CIVIL ENGG. DEPTT.

S. No.	Test	Testing/ Consultancy Charges	Development Fund 15%	Director Reserve Fund 10%	Student Support Fund 5%	Total	CGST 9%	SGST 9%	Total Amount
1	Bearing Capacity of Soil by Plate load Test	22000	3300	2200	1100	28600	2574	2574	33748
2	Bearing Capacity of Soil by SPT Test	10000	1500	1000	500	13000	1170	1170	15340
3	Bearing Capacity of Soil in laboratory	10000	1500	1000	500	13000	1170	1170	15340
4	O.M.C. And M.D.D. of Soil	1200	180	120	60	1560	140	140	1841
5	Permeability of Soil	1700	255	170	85	2210	199	199	2608
6	Grain Size analysis mechanical method	1000	150	100	50	1300	117	117	1534
7	Classification of Soil	1200	180	120	60	1560	140	140	1841
8	L.L., P.L. And P.I.	1700	255	170	85	2210	199	199	2608
9	C.B.R. Test	2500	375	250	125	3250	293	293	3835
10	Swelling Pressure	1000	150	100	50	1300	117	117	1534
11	C and O Test	3500	525	350	175	4550	410	410	5369
12	Uniaxial compressive strength of stone sample	2000	300	200	100	2600	234	234	3068
13	Determination of C.C. And Cu of soil	1700	255	170	85	2210	199	199	2608
14	Field density by core cutter in laboratory	1000	150	100	50	1300	117	117	1534
15	Field density by Sand replacement at site	3500	525	350	175	4550	410	410	5369
16	Free swell index	1000	150	100	50	1300	117	117	1534
17	Silt factor	2200	330	220	110	2860	257	257	3375
18	Plotting of Graph	1100	165	110	55	1430	129	129	1687
19	Hydrometer analysis	1700	255	170	85	2210	199	199	2608

Note:

- 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.

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2. Field visit charges will be extra as mentioned below.

(i) Faculty: Rs. 3000/- per location; Supporting staff Rs. 1000/- per Location; Class IV 500/- per Location (up to 50 km. from institute)

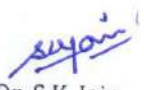
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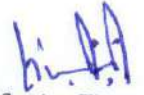
3. For tests at S.No. 1 & 2, 50% of total charges may be considered as consultancy charges.

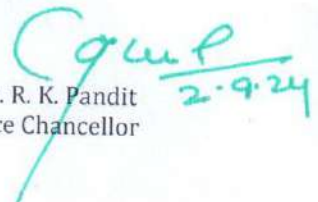
Note: For any other item rates will be decided by lab. Incharge & Head Civil Engg. Deptt.

  
Prof. Gautam  
Bhadoriya  
I/c Testing

Submitted for Approval

  
Dr. S.K. Jain  
Prof. & I/c Soil  
Lab.

  
Dr. Sanjay Tiwari  
Professor & Head

  
Dr. R. K. Pandit  
Vice Chancellor



**Rates of Design Checking of OHT (Water Tank)**

Capacity	Consultancy Charge	Total Charges as per Institute rule Including GST ( $\times 1.534$ )
Upto 50 KL	15000.00	23010.00
51 to 100 KL	25000.00	38350.00
101-200 KL	40000.00	61360.00
201-300 KL	45000.00	69030.00
301-500 KL	50000.00	76700.00
501-1000 KL and above	60000.00	92040.00

**Rates of Designing OHT (Water Tank)**

Capacity	Design Charges (Consultancy Charge)	Total Charges as per Institute rule Including GST ( $\times 1.534$ )
Upto 50 KL	25000.00	38350.00
51 to 100 KL	35000.00	53690.00
101-200 KL	50000.00	76700.00
201-300 KL	55000.00	84370.00
301-500 KL	60000.00	92040.00
501-1000 KL and above	70000.00	107380.00


**Rates of Design Checking of Sump Well**


Capacity	Vetting of Design & Drawing (Consultancy Charge)	Total Charges as per Institute rule Including GST ( $\times 1.534$ )
Upto 20 KL	8000.00	12272.00
21-30 KL	10000.00	15340.00
31-50 KL	12000.00	18408.00
51-100 KL and above	15000.00	23010.00

**Rates of Design of Sump Well**

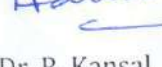
Capacity	Design Charges (Consultancy Charge)	Total Charges as per Institute rule Including GST ( $\times 1.534$ )
Upto 20 KL	13000.00	19942.00
21-30 KL	15000.00	23010.00
31-50 KL	17000.00	26078.00
51-100 KL and above	20000.00	30680.00


Note: Discount of 10% may be offered if the number of tanks/sump wells in one letter exceeds 5 and discount of 20% may be offered if the number of tanks/sump wells in one letter exceeds 10.

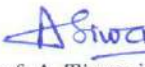
  
Dr. Abhilash Shukla  
Assistant Professor

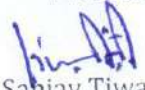
  
Dr. Hemant Shrivastava  
Assistant Professor

  
Dr. M.K. Trivedi  
Professor

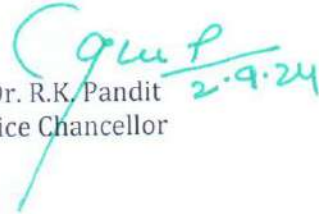
  
Dr. R. Kansal  
Professor

  
Dr. S.K. Jain  
Professor

  
Prof. A. Tiwari  
Professor

  
Dr. Sanjay Tiwari  
Prof. & Head

Submitted for Approval

  
Dr. R.K. Pandit  
Vice Chancellor