

GOVERNMENT OF WEST BENGAL
PANCHAYATS & RURAL DEVELOPMENT DEPARTMENT
(Rural Roads Cell)
Joint Administrative Building (6th to 10th Floor), Block-HC/7, Sector-III
Bidhannagar, Kolkata- 700 106



Memo No: 896-PRD

Dated: 25/02/2025

NOTIFICATION

Rural Connectivity Training and Research Centre (RCTRC), Kalyani is a premier training and research institute of West Bengal State Rural Development Agency (WBSRDA) under the Panchayet & Rural Development Department, Govt. of West Bengal showing all its excellence following the path of endurance. RCTRC, Kalyani facilitates the scope of various Civil Engineering Tests performing at 3(three) no well-equipped Quality Control Laboratories of Soil, Bitumen and Concrete.

After careful consideration the rates for various Tests of Roads and Bridge related construction works are finalized for conducting the tests at RCTRC, different RRNMUs and District Laboratory attached with Division Offices of WBSRDA. The details of 61 no tests and rates are enclosed herewith at Annexure A.

Now, to ensure high quality in different Civil construction works, the tests may conduct in any above mentioned laboratories as per requirement of various Govt. / semi-Govt./ private organization or individual entities subjected to the availability and scope by following the attached approved rates.

Secretary

to the Govt. of West Bengal

Panchayet and Rural Development Department

Memo No: 896/1(6)-PRD

Dated: 25/02/2025

Copy forwarded for information and necessary action to the: -

1. Special Secretary (Rural Roads) / Additional Secretary (Rural Roads), P&RD Dept.
2. OSD & Ex-officio CE, P&RD Dept.
3. Director, RCTRC, Kalyani, P&RD Dept.
4. Superintending Engineer (all), P&RD Dept.
5. Finance Controller, WBSRDA, P&RD Dept.
6. Sr. P.A to Secretary, P&RD Dept. for kind perusal of Secretary, P&RD Dept.

Special Secretary

to the Govt. of West Bengal

Panchayet and Rural Development Department

Annexure A

SL NO	NAME OF THE TEST	IS-Code	Rates	Unit	Remarks
1	Grain Size Analysis of Soil (dry)	2720 - Part -4 (1985)	1000	Per sample	Materials should be supplied by the agency
2	Grain Size Analysis of Soil (wet)	2720 - Part -4 (1985)	3000	Per sample	Materials should be supplied by the agency
3	Determination of Swell Pressure Test of Soil	2720 part -41 (1977)	1000	Per sample	Materials should be supplied by the agency
4	Determination of Free Swell Index of Soil	2720 part - 40 (1977)	1000	Per sample	Materials should be supplied by the agency
5	Determination of CBR (Unsoaked)	2720 part - 16 (1987)	2500	Per sample	Materials should be supplied by the agency
6	Determination of CBR (Soaked)	2720 part - 16 (1987)	3000	Per sample	Materials should be supplied by the agency
7	Determination of OMC by Light Compaction Test (SPT)	2720 part - 7 (1980)	2000	Per sample	Materials should be supplied by the agency
8	Determination of OMC by heavy Compaction test (MPT)	2720 part - 8 (1983)	3000	Per sample	Materials should be supplied by the agency
9	Determination of Liquid Limit by Casagrande Method And Determination of Plastic Limit	2720 part - 5 (1985)	500	Per sample	Materials should be supplied by the agency
10	Determination of Liquid Limit by Cone Penetration Method And Determination of Plastic Limit	2722 part - 5 (1985)	500	Per sample	Materials should be supplied by the agency
11	Determination of Shrinkage Limit	2720 part - 6 (1972)	500	Per sample	Materials should be supplied by the agency
12	Determination of Permeability Test of Soil	2720 part - 17 (1986)	1000	Per sample	Materials should be supplied by the agency
13	Determination of Specific gravity	2720 part - 3 (1980)	500	Per sample	Materials should be supplied by the agency
14	Determination of Shear Strength	2720 part - 13 (1986)	1000	Per sample	Materials should be supplied by the agency
15	Determination of Unconfined Compressive Strength (UCS)	2720 part - 10 (1991)	1000	Per set	Materials should be supplied by the agency (1 Set=3 Samples)
16	DCP test to Determine the Subgrade CBR	ASTM D6951-0	2000	Two (2) location per km	Transportation of personnel and equipment to be borne by agency
17	Determination of In Situ Density of Soil by Cone Cutter method	2720 part - 29	800	Per sample per location	Transportation of personnel and equipment to be borne by agency
18	Determination of In-Situ Density of Soil by Sand replacement test.	2720 part - 28	1000	Per sample per location	Transportation of personnel and equipment to be borne by agency
19	Determination of Specific gravity and Water absorption of Aggregate	2386 part - 3 (1963)	1000	Per sample	Materials should be supplied by the agency
20	Sieve Analysis of Aggregate	2386 part - 1 (1963)	1500	Per sample	Materials should be supplied by the agency
21	Determination of Aggregate Crushing Value	2386 part - 4 (1963)	1500	Per sample	Materials should be supplied by the agency
22	Determination of Aggregate Impact Value	2386 part - 4 (1963)	500	Per sample	Materials should be supplied by the agency
23	LOS Angeles Abrasion test	2386 part - 4 (1963)	1000	Per sample	Materials should be supplied by the agency
24	Flakiness and Elongation test of Aggregate	2386 part - 1 (1963)	1000	Per sample	Materials should be supplied by the agency
25	Determination Compressive Strength of Cement And Determination of Consistency of Cement	As per IS - 5515/4031 part - 6 (1988) and 2542 part - II/4031 part-4 (1988)	3000	Per sample	Materials should be supplied by the agency
26	Determination of Fineness of Cement by Sieving	4031 part - I (1996)	500	Per sample	Materials should be supplied by the agency
27	Soundness test of Cement	4031 part - 3 (1988)	500	Per sample	Materials should be supplied by the agency
28	Schmidt Rebound hammer test	13311-2 (1992)	500	Per Test	1 Set for a grid of 9 points on 500mm X 500 mm grid. Transportation of personnel and Hammer to be borne by agency.
29	Determination of initial and Final setting time of Cement	4031 part - 5 (1988)	1000	Per Test	Materials should be supplied by the agency

SL NO	NAME OF THE TEST	IS-Code	Rates	Unit	Remarks
30	Mix Design of Concrete M20 grade	IS 10262: 2009 IS 456	18000	Per Mix Design	Materials and Admixture is to be supplied by the Agency
31	Mix Design of Concrete M25 grade	IS 10262: 2009 IS 456	18000	Per Mix Design	Materials and Admixture is to be supplied by the Agency
32	Mix Design of Concrete M30 grade	IS 10262: 2009 IS 456	18000	Per Mix Design	Materials and Admixture is to be supplied by the Agency
33	Mix Design of Concrete M35 grade	IS 10262: 2009 IS 456	18000	Per Mix Design	Materials and Admixture is to be supplied by the Agency
34	Mix Design of Concrete M40 grade	IS 10262: 2009 IS 456	18000	Per Mix Design	Materials and Admixture is to be supplied by the Agency
35	Concrete core Compressive Strength test.	IS 14858/IS : 516 Part IV	1500	Per set	# Core Test (1 Set=3 Samples) # The Core supplied by the Executing Agency
36	Concrete core Compressive Strength test.	IS 14858/IS : 516 Part IV	3000	Per set	# When the sample will be collected by RCTRC (The cost excludes the cost of transportation of machine to site). # Core Test (1 Set=3 Samples)
37	Concrete Cube Compressive Strength test.	IS 14858/IS : 516	750	Per set of 3 sample	The cubes 150X150 mm should be supplied by the executing authority
38	Concrete Flexural Strength test.	IS 14858/IS : 516	2500	Per sample	Materials should be supplied by the agency
39	Workability of Concrete by Compaction Factor test.	7320 (1974)/ 1199 (1959)	1000	Per sample	Materials should be supplied by the agency
40	Determination of Penetration Value of Bitumen	1203 (1978)	1000	Per sample	Materials should be supplied by the agency
41	Determinations of Softening Point of Bitumen.	1205 (1978)	1000	Per sample	Materials should be supplied by the agency
42	Determination of Ductility of Bitumen.	1208 (1978)	1000	Per sample	Materials should be supplied by the agency
43	Determination of Specific gravity of Bitumen.	1202 (1978)	1000	Per sample	Materials should be supplied by the agency
44	Determination of Flash & Fire Point.	1209 (1978)	1000	Per sample	Materials should be supplied by the agency
45	Loss on heat test bitumen.	1212 (1978)	1000	Per sample	Materials should be supplied by the agency
46	Water Content of bitumen.	1211 (1978)	1000	Per sample	Materials should be supplied by the agency
47	Binder Extractor	ASTM D2172	1000	Per sample	Cost of Benzine would be provided by the Executing Agency
48	Determination the Stripping Value.	IS 6241 (1971)	1000	Per sample	Materials should be supplied by the agency
49	Determine Rebound Deflection (by Benkelman Beam)	Asper IRC - 81 (1997)	50000	Per Road Up to 5KM	Heavy loaded vehicle to be arrange by concerned authority Transportation of personnel and equipment to be borne by agency
50	Undulation recording device (Straight Edge and Metric Wedge)	IRC:SP:16-2004	500	Per Location for a stretch of 300m Longitudinally	Transportation of personnel and equipment to be borne by agency
51	Surface irregularity (Merlin)	TRL,RR 301	2000	Per 100 m length	Transportation of personnel and equipment to be borne by agency
52	Riding quality (bump Integrator)	As Per - C.R.R.I	3000	Per Km	Transportation of personnel and equipment and necessary arrangement of Carrier vehicle to be borne by agency

SL NO	NAME OF THE TEST	IS-Code	Rates	Unit	Remarks
53	Axle Load survey	IRC 37 2019	25000	Per day	Transportation of personnel and equipment to be borne by agency
54	Falling weight deflectometer	IRC : 115-2014/IRC: 117-2014	100000	Per Road Up to 5KM	Design of pavement as per IIT Pave. Transportation of personnel and equipment and necessary arrangement of Carrier vehicle to be borne by agency
55	Residue of 600 Micron IS sieve(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
56	Viscosity by Saybolt furol viscometer(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
57	Storage stability after 24 hours(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
58	Residue by evaporation(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
59	Method for determination of miscibility with water(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
60	Coating ability and water(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency
61	Miscibility with water(Emulsion Bitumen)	IS 8887	500	Per sample	Materials should be supplied by the agency

N.B.-

1.The rate is exclusive of GST. 18% GST will be levied over & above rate provided against each item.

2.For conducting tests the samples are to be supplied by the agency, wherever required, the batch no of Cement/Bitumen and brand supplied should be mentioned by the agency. For admixture ,the material should be supplied by the agency as per recommendation.

3.This rate will be applicable for Tests RCTRC,RRNMUs and WBSRDA Division Office.