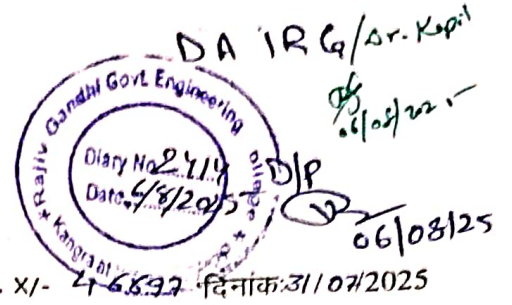


निदेशालय तकनीकी शिक्षा,  
व्यावसायिक एवं औद्योगिक प्रशिक्षण,  
हिमाचल प्रदेश-सुन्दरनगर।



पत्र संख्या: एसटीवी(टी.ई)एचजी(1)RGGEC Nagrota Bagwan/Vol. X/- दिनांक: 31/07/2025  
सेवा में,

निदेशक एवं प्रधानाचार्य,  
राजीव गांधी राजकीय अभियान्त्रिकी महाविद्यालय,  
नगरोटा बगवां (कांगड़ा) जिला कांगड़ा (हि0प्र0)।

विषय:-

Regarding approval of rates for Testing facilities and consulting charges under IRC.

महोदय,

उपरोक्त विषय पर आपके कार्यालय पत्र संख्या: RGGEC/NGB/IRG/2025/-2606 दिनांक 08/07/2025 के संदर्भ में आपके द्वारा प्रेषित परीक्षण सुविधाओं और परामर्श शुल्क की दरों को संलग्नक-A (सिविल इंजीनियरिंग विभाग) एवं संलग्नक-B (मैकेनिकल इंजीनियरिंग विभाग) के अनुसार अनुमोदित किया जाता है। इसके अतिरिक्त आपको निर्देश दिये जाते हैं कि IRC के नियमानुसार ही उचित कार्यवाही की जाये।

संलग्न: उपरोक्त।

(अक्षय सूद, हि0प्र0से0)  
निदेशक तकनीकी शिक्षा,  
व्यावसायिक एवं औद्योगिक प्रशिक्षण,  
हिमाचल प्रदेश-सुन्दरनगर-175018



Rajiv Gandhi Govt. Engineering College, Kangra (at Nagrota Bagwan),  
Distt. Kangra 176047 (Himachal Pradesh)

Civil Engineering Department

Proposed rates for different tests in the department of Civil Engineering of the Institute

**Building Materials and Concrete Technology Lab**

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
1	Cement	a) Fineness	IS 4031: Part 1	1000	1 no. sealed bag of cement
		b) Standard consistency	IS 4031: Part 4	1000	
		c) Initial and final setting time	IS 4031: Part 5	1000	
		d) Compressive strength (Set of 3 Samples)	IS 4031: Part 6	1000	
		e) Soundness	IS 4031: Part 3	1000	
		f) Specific Gravity	IS 4031: Part 11	1000	
2	Coarse and fine aggregates	a) Bulk density	IS 2386: Part 3	1000	50 kg Sample
		b) Aggregate Crushing value test	IS 2386: Part 4	1200	
		c) Specific gravity and water absorption test	IS 2386: Part 3	2000	
		d) Aggregate Impact test	IS 2386: Part 4	1000	
		e) Aggregate abrasion test	IS 2386: Part 4	1000	

*Q. Ansh*

*hij*

*AV*

Sr No	Material	Name of the Test	IS code	Test Charges In Rupees	Material Requirement
		f) Flakiness and Elongation test	IS 2386: Part 1	1000	
		g) Grain Size Distribution test	IS 2386: Part 1	1000	
		h) Fineness Modulus test	IS 383	1500	
3	Concrete	a) Compressive Strength test	IS 516: Part 1	2000	Min. 3 nos. of samples
		b) Workability by Slump Test	IS 7320	1000	
		c) Workability by Compaction Factor Test	IS 1199:Part 2	1000	
		d) Workability by Flow Table Test	IS 1199	1000	
4	Bricks	a) Water absorption test	IS 3495: Part 2	1000	20 nos. of brick samples
		b) Dimension Tolerance	IS 1077	1000	
		c) Compressive strength test	IS 3495: Part 1	2000	
		d) Efflorescence test	IS 3495: Part 3	1000	
5	Design Mix of concrete	a) Normal concrete	IS 10262: 2019	20000	2 bags of cement, 100 kg of Coarse Aggregates and Fine Aggregates, admixture (if required)
		b) Self Compacting Concrete		20000	
		c) Dry Lean Concrete		20000	
		d) Roller Compacted Concrete		20000	
		e) Pavement Quality Concrete		20000	

@ank

Signature

Signature

### Transportation Engineering Lab

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
1	Bitumen	a) Bitumen penetration test	IS: 1203	2000	1kg of bitumen sample
		b) Bitumen softening point test	IS: 1205	2000	
		c) Bitumen viscosity test	IS:1206 (Part-2)	2000	
		d) Bitumen specific gravity test	IS:1202 -2021	2000	
		e) Bitumen flash and fire point test	IS:1209-2021	2000	
		f) Bitumen ductility test	IS:1208 Part-1-2023	2000	
		g) CBR	IS: 2720 Part-16	4000	

### Geotechnical Engineering Lab

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
1	Soil	a) Soil gradation (with particle size distribution curves)	IS: 2720 Part-4	5000	50 kg of Soil Sample
		b) Standard Proctor test	IS: 2720 Part-7	3000	
		c) Modified Proctor test	IS: 2720 Part-5	3000	
		d) Particle size distribution of clay soil using hydrometer analysis	IS: 2720 Part-4	10000	

*Signature*

*Signature*

*Signature*



Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
		c) Moisture content determination using oven drying method	IS: 2720 Part-2	1000	
		f) In-situ dry density using sand replacement method	IS: 2720 Part-28	3000	

### Water and Wastewater Testing Lab

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
1	Water	1) pH by meter	IS 3025 (Part 11) code	1050	2 Litre of water/waste water sample
		2) Total Solids, Suspended solids, dissolved solids	IS: 3025 (Part 16 & Part 17)	2100	
		3) Conductivity by meter	Is 3025 (P-14)	1000	
		4) Colour	IS 3025-4 (1983)	1000	
		5) Alkalinity	IS: 3025 (Part 23)	1450	
		6) Chloride	IS 3025 (Part 32)	1450	
		7) Fluoride (low/high)	IS 10500-2012	1500	
		8) Calcium hardness	IS 5949 (1990)	1000	
		9) Magnesium hardness	IS 3025 (Part 46):1994	1000	

*Q.1*

*Q.2*

*Q.3*

Sr No	Material	Name of the Test	IS code	Test Charges In Rupees	Material Requirement
		10) Hardness (low/medium/high)	IS 3550 (1965)	1200	
		11) Iron (total/low/ high)	IS 3025-53 (2003)	1500	
		12) Dissolved Oxygen	IS 3025-38 (1989)	1650	
		13) Biochemical Oxygen Demand	IS 3025 (Part 44)	4900	
		14) Nitrate	IS 3025 : Part 34	1600	
		15) Nitrite low/medium/high range	IS 3025-34 (1988)	1600	
		16) Phosphate (low/high)	IS: 3025 (Part 31) - 1988	1650	
		17) Aluminum	IS 3025 (Part 55)	1000	
		18) Ammonia (Low/Medium/High Range)	IS:3025 (Part 34) - 1988	1000	
		19) Nitrogen (Total Low/High Range)	IS 3025-34 (1988)	1000	
		20) Iron(II)/(III)	IS 3025	1000	
		21) Bromine	IS 3025 (Part 30)	1000	
		22) Chlorine Dioxide	IS 3025 : Part 80	1000	
		23) Chlorine Dioxide, Rapid Method	IS 3025 : Part 80	1000	

*Q. 2*

*kip*

*Ar*

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
		24) Chlorine (Free)	IS 3025-26:1986	1000	
		25) Chlorine (Free Ultra Low Range)	IS 3025-26:1986	1000	
		26) Chlorine (Total)	IS 3025-26:1986	1000	
		27) Chlorine (Total Ultra Low/High Range)	IS 3025-26:1986	1000	
		28) Manganese (Low/High Range)	IS 3025 (Part 59)	1000	
		29) Chromium(vi) (Low/High Range)	IS 3025-52	1000	
		30) Iodine	IS 3025 (Part 33)	1000	
		31) Copper Low Range	IS 3025 (Part 42)	1000	
		32) Copper High Range	IS 3025 (Part 42)	1000	
		33) Cyanuric Acid	IS 3025-22 (1986)	1000	
		34) Hydrazine	IS 3025	1000	
		35) Nickel Low/High Range	IS - 14543: 2004	1000	
		36) Ozone	IS 3025 (Part 36) - 1987	1000	

@ous

hup

AV

Sr No	Material	Name of the Test	IS code	Test Charges in Rupees	Material Requirement
		37) Potassium	IS 3025-45	1000	
		38) Silica Low/High Range	IS 3025 (Part 35)	1000	
		39) Silver	IS 3025	1000	
		40) Sulfate	IS 3025 (Part 24)	1000	
		41) Surfactants, Anionic	IS 3025: Part 68	1000	
		42) Zinc	IS 3025 (Part 49)	1000	

CAD Lab		
Sr No	Name of the Software	Rate
1.	<b>STAAD-PROConnect edition:</b> All types of structures design concrete and steel. Both static and dynamic analysis can also be performed.	Minimum Rs 10,000/- , final rate will depend upon the type and complexity of the structure.

**Note:**

1. The charges mentioned above are indicative and subject to change based on sample size, testing conditions, and additional requirements. Please confirm with the testing facility before sending the material/sample for testing.
2. Material/Test sample to be supplied at Civil Engineering Department, RGSEC, Nagrota Bagwan HP.
3. For field tests, vehicle/labour will be provided by the client, otherwise extra charges as per actual will be charged.
4. Site visit charges will be extra.

*(Signature)*

*(Signature)*

*(Signature)*



5. GST @18% will be charged extra.
6. Testing charges can be paid online in the following way:

(a) The applicant will be required to produce the receipt of online payment. The detail for online payment is as follows:

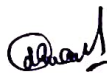
**Account Name:** Rajiv Gandhi Govt. Engg. College Kangra at Nagrota Bagwan, Internal Revenue Generation.

**Account Number:** 50100492708610

**Bank Name:** HDFC

**Bank Address:** Nagrota Bagwan, Kangra HP

**IFSC Code:** HDFC0002227





**Rajiv Gandhi Govt. Engineering College, Kangra (at Nagrota Bagwan),  
Distt. Kangra 176047 (Himachal Pradesh)**

**Civil Engineering Department**

Facility for material testing/consultancy in the Department of Civil Engineering of the institute. The target agencies/organisations are HPPWD, Jal Shakti Vibhag, NHAI, Any Govt./Pvt. Companies involved in Civil Engineering works.

**Building Materials and Concrete Technology Lab**

Sr No	Material	Name of the Test	IS code
1	Cement	a) Fineness	IS 4031: Part 1
		b) Standard consistency	IS 4031: Part 4
		c) Initial and final setting time	IS 4031: Part 5
		d) Compressive strength (Set of 3 Samples)	IS 4031: Part 6
		e) Soundness	IS 4031: Part 3
		f) Specific Gravity	IS 4031: Part 11
2	Coarse and fine aggregates	a) Bulk density	IS 2386: Part 3
		b) Aggregate Crushing value test	IS 2386: Part 4
		c) Specific gravity and water absorption test	IS 2386: Part 3
		d) Aggregate Impact test	IS 2386: Part 4
		e) Aggregate abrasion test	IS 2386: Part 4
		f) Flakiness and Elongation test	IS 2386: Part 1
		g) Grain Size Distribution test	IS 2386: Part 1
		h) Fineness Modulus test	IS 383
3	Concrete	a) Compressive Strength test	IS 516: Part 1

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

Sr No	Material	Name of the Test	IS code
		b) Workability by Slump Test	IS 7320
		d) Workability by Flow Table Test	IS 1199
4	Bricks	a) Water absorption test	IS 3495: Part 2
		b) Dimension Tolerance	IS 1077
		c) Compressive strength test	IS 3495: Part 1
		d) Efflorescence test	IS 3495: Part 3
5	Design Mix of concrete	a) Normal concrete	IS 10262: 2019
		b) Self Compacting Concrete	
		c) Dry Lean Concrete	
		d) Roller Compacted Concrete	
		e) Pavement Quality Concrete	

#### Transportation Engineering Lab

Sr No	Material	Name of the Test	IS code
1	Bitumen	a) Bitumen penetration test	IS: 1203
		b) Bitumen softening point test	IS: 1205
		c) Bitumen viscosity test	IS:1206 (Part-2)
		d) Bitumen specific gravity test	IS:1202 -2021
		e) Bitumen flash and fire point test	IS:1209- 2021
		f) Bitumen ductility test	IS:1208 Part-1- 2023
		g) CBR	IS: 2720 Part-16

*Arch*

*Imp*

*AV*

### Geotechnical Engineering Lab

Sr No	Material	Name of the Test	IS code
1	Soil	a) Soil gradation (with particle size distribution curves)	IS: 2720 Part-4
		b) Standard Proctor test	IS: 2720 Part-7
		c) Modified Proctor test	IS: 2720 Part-5
		d) Particle size distribution of clay soil using hydrometer analysis	IS: 2720 Part-4
		e) Moisture content determination using oven drying method	IS: 2720 Part-2
		f) In-situ dry density using sand replacement method	IS: 2720 Part-28

### Water and Wastewater Testing Lab

Sr No	Material	Name of the Test	IS code
1	Water	1) pH by meter	IS 3025 (Part 11) code
		2) Total Solids, Suspended solids, dissolved solids	IS: 3025 (Part 16 & Part 17)
		3) Conductivity by meter	Is 3025 (P-14)
		4) Colour	IS 3025-4 (1983)
		5) Alkalinity	IS: 3025 (Part 23)
		6) Chloride	IS 3025 (Part 32)
		7) Fluoride (low/high)	IS 10500-2012
		8) Calcium hardness	IS 5949 (1990)
		9) Magnesium hardness	IS 3025 (Part 46):1994
		10) Hardness (low/medium/ high)	IS 3550 (1965)

*Abhishek*

*hij*

*A✓*



Sr No	Material	Name of the Test	IS code
		11) Iron (total/low/ high)	IS 3025-53 (2003)
		12) Dissolved Oxygen	IS 3025-38 (1989)
		13) Biochemical Oxygen Demand	IS 3025 (Part 44)
		14) Nitrate	IS 3025 : Part 34
		15) Nitrite low/medium/high range	IS 3025-34 (1988)
		16) Phosphate (low/high)	IS: 3025 (Part 31) - 1988
		17) Aluminum	IS 3025 (Part 55)
		18) Ammonia (Low/Medium/High Range)	IS:3025 (Part 34) - 1988
		19) Nitrogen (Total Low/High Range)	IS 3025-34 (1988)
		20) Iron(II)/(III)	IS 3025
		21) Bromine	IS 3025 (Part 30)
		22) Chlorine Dioxide	IS 3025 : Part 80
		23) Chlorine Dioxide, Rapid Method	IS 3025 : Part 80
		24) Chlorine (Free)	IS 3025-26:1986
		25) Chlorine (Free Ultra Low Range)	IS 3025-26:1986
		26) Chlorine (Total)	IS 3025-26:1986
		27) Chlorine (Total Ultra Low/High Range)	IS 3025-26:1986
		28) Manganese (Low/High Range)	IS 3025 (Part 59)
		29) Chromium(vi) (Low/High Range)	IS 3025-52
		30) Iodine	IS 3025 (Part 33)
		31) Copper Low Range	IS 3025 (Part 42)
		32) Copper High Range	IS 3025 (Part 42)
		33) Cyanuric Acid	IS 3025-22 (1986)

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

Sr No	Material	Name of the Test	IS code
		34) Hydrazine	IS 3025
		35) Nickel Low/High Range	IS - 14543: 2004
		36) Ozone	IS 3025 (Part 36) - 1987
		37) Potassium	IS 3025-45
		38) Silica Low/High Range	IS 3025 (Part 35)
		39) Silver	IS 3025
		40) Sulfate	IS 3025 (Part 24)
		41) Surfactants, Anionic	IS 3025: Part 68
		42) Zinc	IS 3025 (Part 49)

CAD Lab	
Sr No	Name of the Software
1.	<b>STAAD-PRO</b> Connect edition: All types of structures design concrete and steel. Both static and dynamic analysis can also be performed.

*Signature*

*Signature*

*Signature*