

NFC INSTITUTE OF ENGINEERING & FERTILIZER RESEARCH, FAISALABAD
DEPARTMENT OF CIVIL ENGINEERING

7 June, 2023

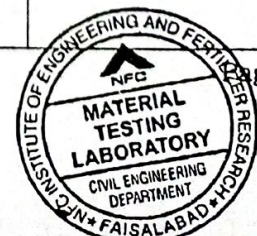
SUBJECT: APPROVAL FOR THE REVISION OF RATES FOR COMMERCIAL TESTS OFFERED AT THE LABORATORIES OF CIVIL ENGINEERING DEPARTMENT, NFC IEFR FAISALABAD

With reference to the committee meeting held at office of the Worthy Director, NFC IEFR on June 06, 2023 via Office Order No.IEFR(CE)/106, a thorough discussion was held on item by item revision of rates for commercial tests offered at the Laboratories of Civil Engineering Department, NFC IEFR. Therefore, the approval may please be granted to revise the rates as followed.

Sr No	Name of tests	Existing NFC Rates		Proposed NFC Rates w.e.f. June 7, 2023	
		Rs	Rs	Rs	Rs
	<u>Tests on Steel and FRP</u>	<u>Tension</u>	<u>Bending</u>	<u>Tension</u>	<u>Bending</u>
1	# 3 bar Grade 40	650	600	750	700
2	# 3 bar Grade 60	1000	600	1150	700
3	# 4 bar Grade 40	850	600	950	700
4	# 4 bar Grade 60	1200	600	1300	700
5	# 5-7 bar Grade 40	1000	600	1150	700
6	# 5-7 bar Grade 60	1300	600	1350	700
7	# 8 bar Grade 40	1100	600	1200	700
8	# 8 bar Grade 60	1400	600	1400	700
9	# 9 bar Grade 40	1400	1000	1500	1100
10	# 9 bar Grade 60	1800	1000	1900	1100
11	# 10 bar Grade 40	2000	1000	1900	1100
12	# 10 bar Grade 60	2400	1000	1950	1100
13	# 11 bar Grade 40	2200	1000	1950	1100



14	# 11 bar Grade 60	2600	1000	2000	1100
15	# 12 & Above bar Grade 40	Rs 200 increase per no in both Tension & Compression		Rs 200 increase per no in both Tension & Compression	
16	# 12 & Above bar Grade 60				
17	Weight & Gauge	400 /sample		500/ sample	
18	Fiber Reinforced Polymer bar (FRP) upto 8mm	-		2000	
	<u>Tests on Concrete</u>				
19	Concrete Cube		500	600	
20	Concrete Cylinders		600	650	
21	Concrete Cylinders capping with sulphur		-	800	
22	Concrete core (provided by client)		-	650	
23	Tuffpaver/ tiles		400	600	
24	Hollow & solid block/sample		600	1000	
25	Kerb stone 6x6x6 cube		700	800	
26	Concrete mix design		-	20000	
27	Concrete mix design (with estimates)		-	25000	
28	Concrete direct tensile strength		-	5000	
29	Flexure strength of concrete (PCC)		-	2000	
30	Concrete Permeability Test		-	15000	
	<u>Tests on Bricks</u>				
31	Absorption of water		-	300	
32	Efflorescence test		-	400	
33	Compression test on Bricks		400	500	
	<u>Tests on Aggregates</u>				
34	Sieve Analysis of Coarse/Fine Aggregate		1200	650	
35	Fineness Modulus of Fine Aggregate		1200	800	
36	Crushing Value/ 10% fine value of Coarse Aggregate		1500	1200	



37	Impact Value of Coarse Aggregate		1200		1200
38	Specific Gravity of Coarse Aggregate		1000		500
39	Specific Gravity of Fine Aggregate		1200		500
40	Water Absorption of Coarse Aggregate		1200		500
41	Flakiness index of Aggregates		2500		1000
42	Elongation index of aggregates		2500		1000
43	Abrasion test by Los Angeles		2000		3000
	<u>Tests on Asphalt</u>				
44	Penetration		2500		2500
45	Specific gravity		-		1500
46	Softening point		1500		1500
47	Flash & Fire point test		2000		2000
48	Marshall stability on loose mix		-		2500
49	Marshall specific gravity of Asphalt mix		-		3000
	<u>Tests on Cement</u>				
50	Initial Setting Time		800		800
51	Final Setting Time		800		800
52	Fineness of cement by Sieve		-		1000
53	Fineness of cement by Baline's Permeability Apparatus		2000		2000
54	Compressive test of cement using mortar cubes		-		500
55	Mortar Ratio Determination		-		2000
56	Soundness test of cement		800		1000
	<u>Tests on Soil</u>				
57	Moisture Content		-		250
58	Unit weight		-		300
59	Sieve analysis dry		-		600



60	Sieve analysis wet		-	800
61	Hydrometer		-	1500
62	Liquid Limit		-	500
63	Plastic limit		-	500
64	Shrinkage limit		-	600
65	Specific Gravity		-	500
66	Standard proctor test (soil)		-	2000
67	Standard proctor test (aggregate)		-	3000
68	Modified proctor test (soil)		-	3000
69	Modified proctor test (aggregate)		-	4000
70	One point CBR (soaked) soil		-	5000
71	One point CBR (soaked) aggregate		-	5000
72	Three point CBR (soaked) soil		-	7000
73	Three point CBR (soaked) aggregate		-	7000
74	Field density test		-	1000+tran
75	Coefficient of Uniformity D10, D30, D60		-	1000
76	Unified classification AASHTO		-	2500
77	Classification by USCS		-	4500
78	Direct shear test		-	2500
79	Permeability test (Constant head)		-	2000
80	Permeability test (Falling head)		-	2000
81	Unconfined compression test (UCS)		-	5000
82	Triaxial test (UU) at normal moisture content		-	4500
83	Triaxial test (UU) at saturation		-	10000
84	Triaxial test (CU)		-	15000
85	Triaxial test (CD)		-	20000



<u>Miscellaneous</u>				
Verification of Report		500		600
Duplicate Report		500		600
<u>Future Plan</u>				
Concrete Core (extraction+testing)		10000		Extraction Rs:1000 per 1"+ testing as per concrete test
Rebound Hammer		3000		3000
Ultrasonic pulse test		-		5000
SPT upto 20 ft		-		25000 + 10000 increase per 10 ft
<u>Condition</u>				
witness rate 1.5 times with aproval of				
Urgent rate 2 times				

Submitted for your kind approval and accounts department may please be advised to charge the payment as per the revised rates w.e.f June 7, 2023.



(Signature)

(DR. SHEHROZE ALI)

Head Civil Engineering Department

(Signature)

WORTHY DIRECTOR

Recommended by the Committee

Accounts Department