



NED University of Engineering & Technology

Highway Material Testing Laboratory

Commercial testing Rates-2018

NED University under the supervision of highly experienced and qualified staff, is now offering services for quality control testing of Hot Mix Asphalt as per universal standards and according to the industry requirements.

1. Job Mix Formula using Marshall Method

Description	ASTM / BS Standard	Unit	Rate
Asphalt Wearing Course	ASTM D4867	Job	25000
Asphalt Base Course	ASTM D4867	Job	35000

2. Bituminous paving Mixture

Description	ASTM / BS Standard	Unit	Rate
Marshal Test-Stability and Flow Value	ASTM D1559	Rate per Sample	3500
Stability Retain Test	ASTM D1559	Rate per Sample	3500
Compressive Strength of Bituminous Mixtures	ASTM D1074	Rate per Sample	3500
Bulk Specific Gravity of Non-Absorptive Compacted specimen	AASHTO T 166	Rate per Sample	1500
Quantitative Extraction of Asphalt Binder from Hot-Mix Asphalt	ASTM D 6847	Rate per Sample	5000
Theoretical Maximum Specific Gravity Test (GmmTest)	AASHTO T20	Rate per Sample	2000
Asphalt Rutting Resistance Test	AASHTO TP63	Rate per Sample	20000
Asphalt fatigue test	AASHTO T 321	Rate per Sample	30000

3. Asphalt Core Testing includes

Description	ASTM / BS Standard	Unit	Rate
. Stability and Flow Value determination	ASTM D1559,	Per core	9000
. Asphalt Content (Extraction)	ASTM D6847,		+
. Percentage Air Void determination in a mix	AASHTO T164, ASTM D5		transportation
. Aggregate Gradation			

4. Aggregates Test

Description	ASTM / BS Standard	Unit	Rate
Unit weight of Aggregates	ASTM C29	Rate per Sample	2000
Soundness of Aggregates	ASTM C88	Rate per Sample	5000
Total Moisture Content of Aggregate	ASTM D1461	Rate per Sample	1000
Specific Gravity and Absorption of Aggregates	ASTM C128 / C127	Rate per Sample	2500
L.A. Abrasion after 500 revolution	ASTM C131 / C535	Rate per Sample	2000
Elongation Index	BS 812-105.2, 105	Rate per Sample	4000
Flakiness Index	BS 812-105.2, 105	Rate per Sample	4000
Impact Value	BS 812-112	Rate per Sample	1800
Crushing Value	BS 812-110	Rate per Sample	1800
Sand Equivalent Test	ASTM D2419	Rate per Sample	1200
Sieve Analysis	AASHTO T 27	Rate per Sample	1500

5. Test on Asphalts

Description	ASTM / BS Standard	Unit	Rate
Softening Point of Bitumen (Ring and Ball Apparatus)	AASHTO T 53	Rate per Sample	1500
Penetration – Asphalt Binders	AASHTO T 49	Rate per Sample	2000
Flash and Fire Points by Cleveland Open Cup Tester	ASTM D 92	Rate per Sample	1800
Specific Gravity	ASTM D 70	Rate per Sample	1600
Ductility Test	ASTM D 113	Rate per Sample	2000
Solubility in trichloroethylene	ASTM D 204	Rate per Sample	4500
Viscosity at 60 C	ASTM D 2171 / D 2171 M	Rate per Sample	2500
Viscosity of Cutback	ASTM D 2026 / D 2026 M	Rate per Sample	2500
Distillation test of Cut back	ASTM D 402 / AASHTO T 59	Rate per Sample	2500

6. On Site Test

Description	ASTM / BS Standard	Unit	Rate
Determination of In-situ Compaction of Asphalt Mix /	For site within Karachi*	Per bore hole	5000



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Base / Subbase or Subgrade	Rupees 100 per Km Extra for Site Outside Karachi	
Visit of expert on Site	For site within Karachi* Rupees 1000 per Km Extra for Site Outside Karachi	10000

7. Soil Testing

Description	ASTM / BS Standard	Unit	Rate
Natural moisture content of soil	AASHTO T 265	Rate per Sample	1000
Determination of Liquid Limits and Plastic Limits	AASHTO T 89	Rate per Sample	1000
Un-soaked CBR Complete(1 point)	AASHTO T 193	Rate per Sample	3500
Un-soaked CBR Complete(3 point)	AASHTO T 193	Rate per Sample	7000
Soaked CBR Complete(1 point)	AASHTO T 193	Rate per Sample	5000
Soaked CBR Complete(3 point)	AASHTO T 193	Rate per Sample	8500
Sieve Analysis	AASHTO T 27	Rate per Sample	1500

*TA DA not included

All payment should be made advance either through **CROSS CHEQUE OR PAY ORDER** in the name of

Chairman, Department of Urban and Infrastructure Engineering, NED University

For further queries kindly feel free to contact at the following Address:

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