



Defence Housing Authority Bahawalpur



Quality Control Material Testing Laboratory at DHAB Site Office

Test Execution Defence Housing Authority Bwp

Type of Project Buildings and Roads Construction

Duration of this Quotation Up to (December) 2025

Ser No. **Description of testing Facilities** **Rate for Single test with report (Rs:)**
Without 17% sales tax

Ser No.	Description of testing Facilities	AASHTO/ASTM	* BDA	** RRMTI LHR	IUB Lab	DHA Multn	DHA Lhr-2022	DHAB Upto-Feb-2024	DHAB Revised Aug 2024
1- SOIL									
1	Moisture Content	T-217	150	200	1000	450	180	180	200
2	SPT (Bearing Capacity Analysis) up to 40ft		-	-	-		-	32000	40000
3	Partical size distribution/Sieve analysis	T-88	1200	1200	2500	800	800	1050	1160
4	Hydrometer	T-88	1200	1200	5000	1500	-	1050	1160
5	Plastic limit	T-90	300	500	3000	-	-	480	530
6	Liquid limit	T-89	350	600	3000	-	-	530	590
7	Specific gravity and water absorption	T-100	800	600	-	1200	1400	530	590
8	Maximum Dry Density Proctor (Modified)	T-180	1800	1800	4000	3500	1900	1585	1750
9	Maximum Dry Density Proctor (Standard)	T-99	1500	1500	3800	-	1900	1320	1460
10	3 Point Soaked C.B.R	T-193	8000	8000	10000	7500	8000	7040	7750
11	3 Point Unsoaked C.B.R	T-193	7000	7000	-	7500	-	6160	6780
12	Single point CBR @ sub base 98% & base 100%	T-193	4000	4000	5000	7500	-	3520	3875
13	Pavement Design Flexible Per Km (Road Note No. 29/31)	-	-	-	15000		-	13200	14520
14	Field density test, Sand Cone method	T-191	700	700	2500	1200	900	620	700
15	Field density test, Core Ctter method	T-204	700	700	2000	1200	900	620	700

2- Aggregate

1	Sampling	T-284	200	500	-		-	440	490
2	Sieve analysis of course aggregate	T-27	1000	1000	3600	1000	1100	880	970
3	Sieve analysis of fine aggregate	T-27	1000	1000	3600	1000	1100	880	970
4	Loss angles Abrasion test	T-96	3000	3500	4200	3500	3000	3080	3390
5	Sodium / Megnesium sulphate soundness test	T-104	8000	6000	-	6000	6000	5280	5810
6	Fracture face	-	1000	1000	3000		-	880	970
7	Flakiness and elongation test	BS-812	1800	1800	3000	2000	-	1584	1750
8	Clay Lumps and Friable Particles in Aggregate	T-112	1000	1500	-	1500	1700	1320	1460
9	Specific gravity and absorption of Coarse aggregate	T-85	500	500	3000	1800	1400	440	490
10	Specific gravity and absorption of fine aggregate	T-84	1200	2700	3000	1800	1400	2380	2620
11	Unit Wt. of Coarse Aggregate	T-19	800	750	3000		-	660	730
12	Unit Wt. of Fine Aggregate	T-19	800	750	3000	2000	-	660	730
13	Fineness Modulus (FM) Including gradation	M6-87	1200	1000	3000	2000	1100	880	970
14	Sand Equivalent test	T-176	1000	1000	2400	1200	1000	880	970

3- Concrete									
1	Trial mix (Concrete Mix design)	ACI-211	25000	25000	50000	20000		22000	25000
2	Slump test	T-199	1000	1000	-	700	1000	880	970
3	Casting of cylinder for compressive strength (Max 6 cylinder)	T-22	600	600	12000	700	1000/s	530	600
4	Curing of concrete cylinders in water (max 6 cylinders)	T-22	600	600	-	-	-	530	600
5	Schmidt Hammer (NDT)	BS	-	-	5000	4000	5000	1760	2000
6	Capping Charges 250 Per Sample	-	-	-	-	-	-	-	250
7	Compressive strength of Tuff paver	-	-	-	2000/ specimen	750/s	800/S	4000	4400
8	Extraction of Core (1x Per Sample)	-	-	-	-	-	3000	-	2500
9	Strength Test of Core	-	-	-	-	-	1000	-	800
4- Asphalt concrete									
1	Trial mix (mix design, JMF, including all required tests (MARSHALL METHOD)	MS-2	30000	30000	-	35000	-	26400	30000
2	Bitumen extraction test	T-164	5000	5000	-	6000	7500	4400	4850
3	Bitumen Adhesion/ Stripping	T-182	1400	1400	-	-	-	1230	1360
4	GMM, Maximum specific gravity for Uncompacted Hot Mix	T-209	1200	1200	-	600/s	700/s	1050	1160
5	Marshall stability and flow test (max 6 specimen)	T-245	1200	1200	5000	4000	5000/s	1050	1160
6	Bulk specific gravity of compacted Marshall specimen (max 6 specimen)	T-245	1200	1200	2500	600/s	400/s	1050	1160
7	Coring of field compacted asphalt (max 1 specimen)	T-230	700	700	-	1000	1100	610	680
8	Capping Charges 250 Per Sample	-	-	-	-	-	-	-	-
9	Bulk specific gravity of core taken from field compacted Asphalt mix (max 1specimen)	T-230	1200	1200	2500	1000	-	1050	1160
5- Bitumen									
1	Penetration of Bitumen	T-49	1300	1300	3000	3000	3500	1140	1260
2	Cleveland Flash & Fire point	T-48	1300	1300	3000	2000	2500	1140	1260
3	Ring & Ball (Softning Point)	T-53	1200	1200	2000	1000	1500	1050	1160
4	Specific gravity of bitumen	T-228	1200	1200	2000	1500	1400	1050	1160
6- Cement									
1	Fineness of Cement	T-128	400	400	2400	1000	800	350	390
2	Consistency	T-129	500	500	2400	1000	1000	450	500
3	Time of setting of Hydorolic Cement by Vicat Needle	T-154	800	800	2400	1500	-	710	780
4	Compressive strength of Hydraulic Cement Mortar (using 5mm or 2" cube)	T-106	1500	1500	12000	1500	4000	1320	1450
5	Sampling of Cement	T-145	200	200	-	-	-	175	195
7-Bricks									
1	Compressive Strength of bricks capping (5 Bricks)	T-32	1200	1200	6000	500/s	1600	1050	1160
2	Water absorption (5 Bricks)	T-32	1200	1500	4200	350/s	1500	1220	1350
3	Capping Charges 250 Per Sample	-	-	-	-	-	-	-	-
4	Dimension of test (5 Bricks)	T-32	1200	500	-	-	-	440	490
8-Steel Section (Tensile/ Bend)									
1	Steel Bar Size no 3"		1800	-	2000/2000	900/500	800/600	-	1500/500
2	Steel Bar Size no 4"		1800	-	2000/2000	900/500	1000/500	-	1800/600
3	Steel Bar Size no 5"		1800	-	2400/2000	900/500	1100/500	-	1800/600
4	Steel Bar Size no 6"		1800	-	2400/2000	900/500	1100/500	-	1800/700
5	Steel Bar Size no 7"		-	-	2600/2200	900/500	1100/500	-	2000/700
6	Steel Bar Size no 8"		-	-	2600/2200	900/500	1200/500	-	2000/900
7	Steel Bar Size no 9"		-	-	2800/2200	1200/700	1600/1000	-	2200/900
8	Steel Bar Size no 10"		-	-	2800/2200	1200/700	2000/1000	-	2200/1100
9	Steel Bar Size no 11"		-	-	4500/2200	1200/700	1200/700	-	2200/1100
10	Steel Bar Size no 12" & More		-	-	4500/2200	1200/700	2200/1100	-	2400/1200

9-Miscellaneous.									
1	Duplicate of Reports	-	-	-	1200/ Report			-	1000/Report
2	Correction of Reports	-	-	-	1200/ Report			-	1000/Report
3	Cylinder Mould Charges for One Test	-	-	-	-			-	2000/ Set
4	Urgent Testing Double Fee Charged	-	-	-	-	-	-	-	Per Sample
5	Capping Charges 250 Per Sample	-	-	-	-	-	-		250 per Sample
NOTE:									
<p>A- Charges of the following not included.</p> <ul style="list-style-type: none"> * Soil survey for Borrow slection,Geo technical investigation for water regimes. Geo technical survey for flexible pavement design, Geo technical survey for sub surface exploration (Bearing capacity). * T.A/D.A of DHAB Lab Staff as per DHA policy will be taken by Owner/ Contractor. * Report & documentation of test data. * The Estimate of these items wherever involved will be prepared separately in each individual case depending upon the specific requirements . * Running of vechicle fee carriage of equipment * Overhead chaarges. * Comprasion Rates of Following Labs. Bahawalpur Development Authority (BDA), Road Research & Material Testing Institute Lahore (RRMTI), Islamia University Bahawalpur(IUB), DHA Multan & DHA Lahore. <ul style="list-style-type: none"> * Running of vechicle fee carriage of equipment. * 2 Marla Commercial & 5 Marla, 8 Marla & 10 Marla Residential upto 20 Ft Charges Rs 20,000 & Rs 8000 Labour Charges(Rs 28,000). * 4 Marla Commercial, 5 Marla & 8 Marla upto 40 Ft Charges Rs 40,000 & Rs 16000 Labour Charges (Rs 56,000). * 1 & 2 Kanal upto 25 feet Charges Rs 25,000 & Rs 10,000 Labour (Rs 35,000). * SPT Testing labour charges will be paid by Owner Rs 400 per ft directly to vendor/ Labour, If labour work outside DHA working more then 24 hours charges may exceed upto 50%. * Steel scrap will be saled quaterly (After 3 Months) and its budget will be consumed on Lab miscellenous items/ maintainence. * Armed Forces Field Project & DHA Employees Discount upto 50%. 									
<p>Asst Dir Lab Naveed Ahmed</p>									