

Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET)

LAHORE – 54890 (PAKISTAN)



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Ref:-----

Date:-----

The District Officer (I & S),
District Council,
Rajanpur.

Subject: **Testing of Asphalt Cores**
Rehabilitation/Improvement/Reconstruction/Carpeting of Metalled Road
from Indus Highway to Basti Rasool Pur, Tehsil Jampur, District Rajanpur

Dear Sir,

It is with reference to your letter No. 1214/HC (G) DC. RP dated 20-02-2024.
Please find below the results for the tests conducted on the cores provided to this laboratory on
08-08-2024 through your representative.

BULK SPECIFIC GRAVITY OF COMPACTED ASPHALT (ASTM D2726):

Core	Mean Thickness (cm)	Mean Diameter (cm)	Bulk Specific Gravity
1	9.517	10.500	2.439
2	8.257	10.500	2.358
3	8.310	10.500	2.422

BITUMEN EXTRACTION TEST:

Core # 1

Bitumen Extraction Value (ASTM D-2172)	4.22%							
Gradation Analysis								
Sieve No.	3/4"	1/2"	3/8"	#4	#8	#50	#200	
% Passing	100	74.99	64.99	44.99	31.00	12.01	5.00	

Core # 2

Bitumen Extraction Value (ASTM D-2172)	4.25%							
Gradation Analysis								
Sieve No.	3/4"	1/2"	3/8"	#4	#8	#50	#200	
% Passing	100	74.41	64.43	44.42	30.42	11.42	4.93	

Core # 3

Bitumen Extraction Value (ASTM D-2172)							4.20%	
Gradation Analysis								
<i>Sieve No.</i>	<i>3/4"</i>	<i>1/2"</i>	<i>3/8"</i>	<i>#4</i>	<i>#8</i>	<i>#50</i>	<i>#200</i>	
<i>% Passing</i>	100	71.99	65.99	46.99	31.98	12.98	4.99	

If you have further query, please do not hesitate to contact the undersigned.

Best Regards,

Director
Transportation Engineering Laborato

Note:

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