Transportation Engineering Laboratory (TEL)

Department of Civil Engineering (CED)

UNIVERSITY OF ENGINEERING & TECHNOLOGY (UET) LAHORE – 54890 (PAKISTAN)



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Ref.-----

Date:-----

The Assistant Director Engineering, Bahawalpur Development Authority.

Subject: <u>Testing of Bitumen – AASHTO Standard (M-20)</u> Dualization of Road from Shikarpuri Gate to Saraiki Chowk Bahawalpur (Length = 0.28 km)

Dear Sir,

It is with reference to your letter No. BDA/Eng/2025/12350 dated 18-04-2025. Please find below the results of tests conducted on the bitumen sample provided to this laboratory on 21-04-2025 through your representative.

| Sr.# | Laboratory Tests | Results |
|------|---|--------------|
| 1 | Penetration (ASTM D-5) | 66 Units |
| 2 | Penetration of Residue (ASTM D-5) | 58 Units |
| 3 | Ductility (ASTM D-113) | Above 100 cm |
| 4 | Ductility of Residue (ASTM D-113) | Above 100 cm |
| 5 | Softening Point (ASTM D-36) | 48.9°C |
| 6 | Flash Point (ASTM D-92) | 298°C |
| 7 | Solubility (ASTM D-2042) | 99.80% |
| 8 | Specific Gravity Value (ASTM D-70) | 1.021 |
| 9 | Thin Film Oven Test Value (ASTM D-1754) | 0.476% |
| 10 | Loss on Heating Value (ASTM D-6) | 0.462% |
| | | |

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

Best Regards,

Director

Transportation Engineering Laboratory

Note:

1. This test report is based solely on the particular sample(s) supplied by the client and should not be reproduced in parts.

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