Supply and Delivery of Pen 60/70 Bitumen

1. General Requirements

The Vendor shall supply, transport, and deliver to Port Little Bay, Montserrat, British West Indies 40 Metric Tons (MT) of Penetration Grade 60/70 Bitumen in a bulk liquid state to the designated Public Works Department.

- Delivery Point – Port Little Bay, Montserrat.
- Preferred Incoterms – CIF Port Little Bay Montserrat
- Required Delivery Date – Bidders are asked to provide their best delivery date in terms of when (In calendar days from award) they can deliver the good to Montserrat.

The material must meet strict international quality standards for asphalt road construction and be delivered at an operational temperature ready for immediate blending or storage.

2. Technical Specifications & Material Characteristics

The supplied material must conform to standard technical specifications for Penetration Grade 60/70 bitumen (e.g., ASTM D946 or AASHTO M20) and adhere to the following physical properties:

- Penetration Grade: 60/70 (at 25°C, 100g, 5 seconds; 0.1 mm)
- Design Bulk Density: 1.010 – 1.060 kg/m³ (ASTM D70/D70M – 21 pycnometer method)
- Softening Point: 46°C to 56°C (ASTM D36)
- Flash Point: Minimum 232°C (ASTM D92)
- Purity / Solubility: Minimum 99.0% in trichloroethylene (ASTM D2042)

3. Delivery and Logistics

- Delivery Method: The 40 tons of bitumen must be delivered in insulated; bulk liquid bitumen containers (standard ISO bitumen tank container 20-foot long) equipped with functional heating systems (burners).
- Scheduling: Deliveries shall be phased or coordinated in single or multiple tanker loads as instructed by the Public Works Department to match site production rates and tank availability.
- Site Discharge: The Vendor's tankers must be equipped with appropriate discharge facility that is compatible with the client’s receiving tanks or asphalt plant intake.

4. Quality Assurance & Certification

- Manufacturer Certificate of Analysis (COA): Every batch or delivery tanker must be accompanied by a certified laboratory test report validating that the penetration, softening point, and density meet the specified 60/70 parameters.
- On-Site Testing: The Public Works Foreman or QA inspector reserves the right to sample the material from the tanker prior to discharge and verify technical properties related to the certificate provided.

5. Measurement and Payment

- Quantification: Measurement for payment shall be based on the actual net weight delivered in metric tons.
- Weight Verification: Every shipment must include an official weighbridge ticket from a certified, calibrated scale indicating Gross, Tare, and Net weights.