

**APPLICATION OF
BITUMEN EMULSION
COARSE SLURRY SEAL**

**Terms of Reference
Notice No 194/2010**

**Contract No.-
Scm2TECH**

QUOTATIONS FOR APPLICATION OF BITUMEN EMULSION COARSE SLURRY SEAL: ST FRANCIS BAY

Suitable, experienced and qualified contractors are hereby invited to submit written quotations for the supply and application of the following:

- The supply and application of coarse bitumen emulsion slurry seal to existing road surfaces in St Francis Bay as per specifications.

Specifications and Conditions.

- Coarse Aggregate Slurry Seal using – 9,5mm aggregate with 11% (plus or minus 1%) residual bitumen content at a spread rate not less than 80 square metres for Coarse Slurry Seal.
- The aggregate used in the mixing of the slurry shall consist of clean crushed stone fines and having the grading listed below. If the fraction passing the 0,075 sieve is insufficient, a proportion of mineral filler such as Portland Cement shall be added in the proportion of 0, 5% to 2, 0% of the dry weight of the aggregate and the combined aggregate shall then have a grading within the following limits:

<u>Sieve Size (mm)</u>	<u>Percentage Passing</u>
9,5	100
6,7	96-100
4,75	85-100
2,36	64-80
1,18	48-60
0,60	38-44
0,30	25-32
0,15	19-24
0,075	14-20

- The work to be done includes the furnishing of all materials, plant, labour and equipment required sweeping of road surfaces, the spraying of herbicide and the mixing and spreading of bitumen emulsion slurry on streets and main roads within the environs of the St Francis Bay as directed.
- The mineral filler used shall consist of Portland cement conforming to SABS 471.
- Traffic shall be kept off the slurred surface until the slurry has cured to the stage at which there will be no pick-up under traffic. The contractor shall provide and maintain sufficient "road closed" boards and other signboards together with an adequate supply of beacons and flagmen for this purpose.
- No barricades shall be permitted to remain in any road after official lighting-up time unless adequately lighted with watchmen in attendance.
- Potable water shall be used in the mix.
- The Contractor shall, at his own cost, submit samples of all materials which are to be used in the works and which are to be supplied by him to the

Engineer for approval prior to their incorporation in the work and the start of any construction.

- At the commencement of the Works Programme a trial section will be requested by the Engineer. **The Contractor will only be allowed to proceed upon successful completion of such trial section.** Payment will be made for the trial section if it is approved by the Engineer. Failure to successfully complete a trial section to the satisfaction of the Engineer may result in the work being re-allocated to another bidder. This condition shall also apply during the contract period should the Contractor not comply with the Engineer's requirements.
- The Employer does not bind itself to accept excess stocks held by the contractor or suppliers at the end of the contract.
- The plant, equipment and tools to be used by the Contractor in the execution of the works shall be of good quality, should design and modern manufacture of such a type and character as will afford proper facilities for carrying out the work required expeditiously and in a workmanlike manner and shall be maintained in a state of efficiency and shall be suitable for the purpose for which it is to be used.
- All vehicles to be roadworthy and licensed.

Bidder's quotations are required to make provision and include for the following:

- All material and transport thereof as required.
- Locate and protect all existing services.
- Have and provide proof that valid public liability insurance is in place to cover proposed work.
- All plant, machinery and vehicles as required.
- All labour and supervision.
- All traffic control, signage and safety precautions.
- Cleaning of work area and cart spoil to designated soil site.
- Cleaning of road edges and spray with herbicide and sweeping of road surface.
- The Kouga Municipality will not be responsible for or pay for expense incurred or losses suffered by any bidder in the preparation of the quotation or in visiting the site in connection therewith.

Measurement and Payment:

- The unit of measurement for the Coarse Slurry shall be taken as **square metres (m²)** of bitumen slurry mixed and spread.
- The tendered rate per square metre of slurry seal shall include for the supply of all materials, plant, transport and labour for the preparation of the road surface and the supply and application of herbicide, for the mixing and spreading of the slurry, for the provision of signboards and guide beacons and flagmen and for every other operation implied in the clauses of this specification.
- **Bidders' proposal must clearly indicate a rate per square metre inclusive of VAT** for the supply and application of bitumen emulsion coarse slurry seal. No final quantity's are finalised at this point and will only be determined on receipt of bids.
- Bidders shall INCLUDE value added tax (VAT) in the tendered rate.

- There will be no price adjustment applicable to the tendered rates.
- Payment will only be done after all work has been completed, inspected, measured and approved by the Engineer or his representative.
- Payment will only be done after 30 days from date of invoice.