



NB. Kerala/ DPSP/SQ-66/1557/2021-2022

23 September 2021

NOTICE INVITING TENDER

(Empaneled Agencies Only)

Dear Sir,

**“Quotation for Undertaking Road taring work in NABARD Garden, Dr
Pai Road, Poojapura, Thiruvanthapuram”**

National Bank for Agriculture and Rural Development (NABARD) invites quotation from **empanelled contractors for the captioned work. Owing to COVID19 pandemic situation, vendors having office within Kerala only may participate.**

2. Quotation consisting of terms and conditions, technical specifications, schedule of quantities are enclosed herewith.

3. Properly filled in the quotation are to be submitted in a sealed envelope, duly furnishing all the required information and drop their offer in sealed envelope for the captioned work in the box placed at the reception of NABARD office premises.

4. The envelope should be super scribed as “Quotation for Undertaking Road taring work in NABARD Garden, Dr Pai Road, Poojapura, Thiruvanthapuram” and should be addressed to “The Chief General Manager, NABARD, Kerala Regional Office, Punnen Road, Statue, Thiruvananthapuram-695001” in sealed envelopes in the format enclosed duly signed and stamped by you so as to reach this office latest by 13:00 hours on 20 October 2021. The quotation shall be submitted in 'Original' to NABARD.

4. The quotation in sealed envelope shall be submitted with every page duly signed and stamped.

5. The bidder may note that the quotation should not contain any conditions whatsoever and any conditional quotations shall be rejected.

6. Retention Money Deposit (RMD) will be deducted @ 5% of the gross value of the work done. This amount shall not bear any interest. The RMD will be released after 12 months from the date of virtual completion of the work.

7. The quotation of the bidder will be opened on 20 October 2021 at 15:00Hrs. in the presence of bidders' representatives, should they choose to be present.

8. Before filling up the quotations, the bidders may note the following:

a) The quotation shall remain valid and open for acceptance for 3 months from the date of opening of Quotations.

b) Time of Completion: The work shall be completed within 30 days from the date of issue of work order.

c) Bidders are advised to visit the site at their own cost, so as to familiarize themselves with the site conditions, nature of works etc. and get all clarifications as necessary before quoting the rates.

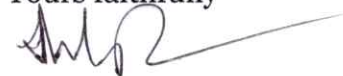
9. The bidder are advised to seek any clarifications from our office between 10am to 5pm from Monday to Friday.

10. Submitted Quotations of Empanelled Vendors if later found that they do not have office in Kerala will invariably be rejected and no request on any of the grounds will be entertained later.

11. NABARD reserves the right to accept or reject any /all quotation/s in part or whole of any firm / firms without assigning any reasons for doing so.

12. The successful bidder shall execute an agreement on non-judicial stamp paper worth of ₹200/- with NABARD in accordance with the standard format enclosed (articles of agreement) within 14 days from the date of issue of work order.

Yours faithfully



Ramalingam K
Deputy General Manager

Scope of work

1. Preparation of Surface

Prior to the application of bitumen, all vegetation, loose sealing compound, caked mud, animal dung, dust, dirt and foreign material shall be removed from the existing road and pavement.

The rate for cleaning and repair works is to be included in the rate quoted. No additional claim in this regard will be entertained.

2. Applying Tack Coat of Straight Run Bitumen

Providing and applying tack coat using hot straight run bitumen of grade VG-10 (conforming to IS: 73, 2013) including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler.

3. Preparation of Premix

The aggregate shall be dry and suitably heated to temperature before these are placed in the mixer to facilitate mixing with the binder. Mixers of approved type shall be employed for mixing the aggregates with the bituminous binder.

The mixing of binder with chippings shall be immediately transported from the mixer to the point of use in suitable vehicles of wheel barrows, the vehicles employed for transport shall be cleaned and be covered over in transit if so directed.

The rate for the same is to be included in the rate quoted. No additional claim in this regard will be entertained.

4. Providing and Laying 2.5 Cm Thick Premix Carpet

2.5 cm premix carpet surfacing with 3 cum of stone chippings of 12 mm nominal size per 100 sqm and bitumen emulsion (medium setting min 65% of bitumen contents), complying with IS:8887, using 96 kg per cum of chippings, including consolidation with road roller of 6 to 9 tonne capacity.

5. Spreading and Rolling

The premixed material shall be spread on the road surface with rakes to the required thickness and camber or distributed evenly with the help of a drag spreader, without undue loss of time.

6. Providing and Applying Seal Coat

This work shall consist of the application of a seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall (camber).

Signature of the Bidder

Technical specification

1. Preparation Of Surface

Prior to the application of bitumen, all vegetation, loose sealing compound, caked mud, animal dung, dust, dirt and foreign material shall be removed from the existing road surface and pavement) by means of mechanical sweepers and blowers, otherwise with steel wire brushes, small picks, brooms or other implements as approved by the Engineer-in-Charge. The material so removed shall be disposed off from the site. The tack coat shall not be applied nor be atmospheric in the shade is not more than 16°C.

a) Repairs: pot holes or patches and ruts in surface course which is to be surface treated, shall be repaired by removal of all loose and defective material by cutting in rectangular patches and replacement with suitable material. For the purpose of repairs the area of pot holes shall be taken up to 0.75 sqm and depth up to 5 cm. All pot holes, patches and ruts up to 2.5 cm deep shall be repaired.

b) Cleaning: Prior to the application of the binder, all dust, dirt, caked mud, animal dung, loose and foreign material etc. shall be removed 30 cm on either side, beyond the full width to be treated, by brooms etc. The material so removed shall be disposed off as directed by the Engineer-in-Charge. For a water bound macadam surface, the interstices between the road metal shall be exposed up to a depth of about 10 mm by means of wire brushes. The surface shall then be brushed with soft brooms to remove all loose aggregate. Finally the traces of fine dust which get accumulated while brushing shall be thoroughly removed from the surface by blowing with gunny bags. The prepared surface shall be closed to traffic and maintained fully clean till the binder is applied.

The rate for cleaning and repair works is to be included in the rate quoted. No additional claim in this regard will be entertained.

2. Applying Tack Coat of Straight Run Bitumen

Providing and applying tack coat using hot straight run bitumen of grade VG-10 (conforming to IS: 73, 2013) including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications: On bituminous surface @ 0.50 Kg/sqm.

Bitumen shall be heated in a boiler to a temperature of 165°C to 175°C and maintained at that temperature. Temperature shall be checked at regular intervals with the help of a thermometer. Hot bitumen shall be applied evenly to the clean, dry surface by means of a pressure sprayer at specified rate. Even and uniform distribution of bitumen and never across it. Excessive deposits of bitumen caused by stopping or starting of the sprayer or through leakage or any other reason shall be suitably rectified.

The rate for applying tack coat is to be included in the rate quoted. No additional claim in this regard will be entertained.

3. Preparation of Premix

a) The aggregate shall be dry and suitably heated to temperature as directed by Engineer-in-Charge before these are placed in the mixer to facilitate mixing with the binder. Mixers of approved type shall be employed for mixing the aggregates with the bituminous binder.

b) The binder shall be heated to the temperature appropriate to the grade of bitumen approved by the Engineer-in-Charge, in boilers of suitable design avoiding local overheating and ensuring a continuous supply. The aggregates shall be dry and suitably heated to a temperature as directed by Engineer-in-Charge before these are placed in the mixer. After about 15 seconds of dry mixing, the heated binder shall be distributed over the aggregates at the rate specified. The mixing of binder with chippings shall be immediately transported from the mixer to the point of use in suitable vehicles of wheel barrows, the vehicles employed for transport shall be cleaned and be covered over in transit if so directed.

c) Providing and Laying 2.5 Cm/4 Cm Thick Premix Carpet

Laying 2.5 cm premix carpet surfacing with 3 cum of stone chippings of 12 mm nominal size per 100 sqm and bitumen emulsion (medium setting min 65% of bitumen contents), complying with IS:8887, using 96 kg per cum of chippings, including consolidation with road roller of 6 to 9 tonne capacity etc.

The carpeting material will be brought from the hot mix plant only, available in the surrounding area.

4. Spreading and Rolling

The premixed material shall be spread on the road surface with rakes with rakes to the required thickness and camber or distributed evenly with the help of a drag spreader, without undue loss of time. The camber shall be checked by means of camber boards and inequalities evened out. As soon as sufficient length of bituminous material has been laid. Rolling shall commence with 6 to 9 tonne power rollers, preferably of smooth wheel tendon type, or other approved plant. Rolling shall begin at the edges and progress towards the centre longitudinally. Except on the super elevated portions rolling shall progress from the lower to upper edge, parallel to the centre line of the pavement. The consolidated thickness shall not at any place be less than specified thickness by more than 25%. However, the average thickness shall be less than that specified in the item.

When the roller has passed over the whole area once. Any high spots or depressions which become apparent shall be corrected by removing or adding premixed materials.

No additional claim will be entertained in this regard. Rolling shall then be continued until the entire surface has been rolled to compaction and all the roller marks eliminated. In each pass of the roller, preceding track shall be overlapped uniformly by at least 1/3 width. The roller wheels shall be kept damp to prevent the premix from adhering to the wheels picked up. In no case shall fuel/lubricating oil be used for this purpose. Rollers shall not stand on newly laid material as it may get deformed thereby.

The edges along and transverse of the carpet, laid and compacted earlier shall be cut to their full depth so as to expose fresh surface which shall be painted with a thin surface coat of appropriate binder before the new mix is placed against it.

5. Rectification

Where the surface irregularity fall outside the specified tolerances the contractor shall be liable to rectify it to the satisfaction of Engineer-In-Charge by adding fresh material and recompacting to specifications where the surface is low. Where the surface is high the full depth of the layer shall be removed and replaced with fresh material and compacted to specifications. No additional claim with regard to such rectification will be entertained.

6. Providing and Applying Seal Coat

This work shall consist of the application of a seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall (camber). Providing and laying seal of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.

The binder shall be heated in boilers of suitable design, approved by the Engineer-in-Charge to the temperature appropriate to the grade of bitumen or as directed by the Engineer-in-Charge, The aggregates shall be dry and suitably heated to a temperature between 150°C and 165°C or as directed by the Engineer-in-Charge before these components are placed in the mixer. Mixing of binder with former.

The mix shall be immediately transported from the mixing plant to the point of use and spread uniformly on the bituminous surface to be sealed.

As soon as a sufficient length has been covered with the premixed material, the surface shall be rolled with an 8-10 tonne smooth-wheeled roller. Rolling shall be continued until the premixed material completely seals the voids in the bituminous course and a smooth uniform surface is obtained. Further, the prepared finished surface shall be protected from traffic for 24 hours or such period as may be directed by the Engineer-in-Charge.

7. Measurements and Rates

The length and width of the finished work shall be measured correct a cm along the finished surface of the road. The area shall be calculated in square meter, correct to two places of decimal. The rate shall include the cost of materials, labor and any other items of work that is involved in all the operations described above for the particular item.

Signature of the Bidder

ARTICLES OF AGREEMENT
(to be submitted by the successful Tenderer)
(On a Rs 200/- Non- Judicial stamp paper)

THIS ARTICLES OF AGREEMENT made on the _____ day of the month _____ between the National Bank for Agriculture and Rural Development having its Kerala Regional Office at Thiruvananthapuram- 695001 (hereinafter referred to as "the Employer") on the one part and

(hereinafter referred to as "the Contractor") on the other.

WHEREAS the Employer is desirous of carrying out the.....

..... has caused specifications describing the work to be done.

AND WHEREAS the said specifications and the Schedule of Quantities have been signed by or on behalf of the parties hereto. AND WHEREAS the Contractor has agreed to execute upon the subject to the Conditions set forth herein and to the conditions set forth in the Scope of Work, Technical specifications and in the Schedule of Quantities and Conditions of Contract (all of which are collectively hereinafter referred to as "the said Conditions") the works shown upon the said Drawings and / or described in the said specifications and included in the Schedules of Quantities at the respective rates therein set forth amounting to the sum as therein arrived at or such other sum as shall become payable thereunder (herein after referred to as "the said Contract Amount").

NOW IT IS HEREBY AGREED AS FOLLOWS

1. In consideration of the said Contract Amount to be paid at the times and in the manner set forth in the said Conditions, the Contractor shall upon and subject to the said Conditions execute and complete the work shown upon the said drawings and described in the said Specifications and the Schedule of Quantities.
2. The Employer shall pay the Contractor the said Contract Amount, or such other sum as shall become payable, at the times and in the manner specified in the said conditions.
3. In the said conditions herein before mentioned, the Chief General Manager, NABARD Kerala Regional Office, Thiruvananthapuram shall act on behalf of the employer.

4. The said Conditions and Appendix thereto shall be read and construed as forming part of this Agreement, and the parties hereto shall respectively abide by, submit themselves to the said Conditions and perform the agreements on their part respectively in the said Conditions contained.

5. The agreement and documents mentioned herein shall form the basis of this Contract.

6. This Contract is neither a fixed Lump sum Contract nor a piece work Contract but is a Contract to carry out renovation work to be paid for according to actual measured quantities at the rates contained in the Schedule of Rates and probable quantities or as provided in the said conditions.

7. The Contractor shall make good any damages done after the completion of works.

8. The Employer reserves to itself the right of altering the nature of the work by adding to or omitting any items of work or having portions of the same carried out without prejudice to this Contract.

9. Time shall be considered as the essence of this Contract and the Contractor hereby agrees to commence the work soon after the site is handed over to him or from tenth day after the date of issue of formal work orders as provided for in the said Conditions whichever is later and to complete the entire work within three months subject nevertheless to the provisions for extension of time.

10. All payments by the Employer under this contract will be made only at Thiruvananthapuram.

11. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen at Thiruvananthapuram, and only Courts at Thiruvananthapuram shall have jurisdiction to determine the same. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or disputes being referred to the Courts.

12. That the several parts of the Contract have been read by the Contractor and fully understood by the Contractor.

13. IN WITNESS WHEREOF the EMPLOYER has set its hands to these presents through its duly _____s and the Tenderer has caused its common seal to be affixed hereunto and the said two duplicates/ has caused these presents and the said two duplicates here of to be executed on its behalf, the day and year first herein above written. (If the tenderer is a company).

Signature Clause

SIGNED AND DELIVERED by the National Bank for Agriculture and Rural Development by the hand of



Shri
(Name & Designation)

In the presence of:

Witness # 1

Signature:

Name:

Address:

Witness # 2

Signature:

Name:

Address:

SIGNED AND DELIVERED by the Tenderer by the hand of Shri

(Name & Designation)

In the presence of:

Witness # 1

Signature:

Name:

Address:

Witness # 2

Signature:

Name:

Address:

PRICE BID

This is an item rate tender. The Amount quoted shall be firm and shall include all costs, allowances, Transportation, taxes, levies, Works Contract tax and excluding GST (Which should be quoted separately). The rates quoted for each and every item should be self-sustaining and reasonable.

Sl. No.	Description of work	Quantity	Unit	Rate	Amount
		A		B	AXB
1	Providing and applying tack coat using hot straight run bitumen of grade VG-10 (conforming to IS: 73, 2013) including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications. Laying 2.5 cm premix carpet surfacing with 3 cum of stone chippings of 12 mm nominal size per 100 sqm and bitumen emulsion (medium setting min 65% of bitumen contents), complying with IS:8887, using 96 kg per cum of chippings, including consolidation with road roller of 6 to 9 tonne capacity etc.	680	m ²		
2	Providing and laying seal of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.	680	m ²		
	TOTAL				
	GST				

	Grand Total with GST	
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Grand Total Amount without GST (InWords).....

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Grand Total Amount with GST (In Words).....

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Note:

1. The basic rate means the market price of the material. The contractor has to submit the bill of authorised dealer from whom procurement of material is done by the contractor in respect of items for the basic rate has been mentioned in the Price Bid. The permissible variation in basic rate will be 5% in the mentioned value beyond that necessary deduction/extra payment will be made to contractor as applicable.

2. The tenderers should visit work site and assess site conditions and scope of work before quoting the rates.

3. Rates are to be quoted inclusive of all prevailing taxes like GST, etc as per scope of the work and after visiting the site.

4. The contractor shall include all prevailing taxes like GST etc. in the quoted rates as stated in the Clause of General Instruction of the Technical bid.

6. The contractor has to quote for all the items of the tender. Incomplete tenders will be rejected.

Accepted all terms & conditions of technical & price/financial bid

Signature

Place:

Date :

Address of the contractor: