



**NATIONAL COIR RESEARCH & MANAGEMENT  
INSTITUTE (NCRMI)  
(A GOVT. OF KERALA UNDERTAKING)  
Kudappanakkunnu, Thiruvananthapuram - 695043**

**TENDER NOTICE**

**TENDER NOTICE NO: NCRMI/R&D/RW/13**

**Dated: 16/05/2013**

National Coir Research & Management Institute invites sealed tenders from competent and eligible Contractors/Construction firms for road construction using Coir Geotextile for Kottarathilpadi-Nallurpadi road in Enadimangalam Grama Panchayath and Ambedkar Colony road, Valikode Panchayath at Pathanamthitta District.

The details and specifications regarding the road construction are available with NCRMI office. The tender form may be purchased from the office of The Director, NCRMI at Kudappanakkunnu, Thiruvananthapuram on any working day between 10 AM and 5 PM from 16.05.2013 to 25.05.2013. The cost of tender document shall be paid by demand draft of ₹500 + 4% VAT from any nationalised bank drawn in favour of 'The Director, National Coir Research & Management Institute, Kudappanakkunnu, Thiruvananthapuram', payable at Thiruvananthapuram.

The last date of submission of tender shall be 25.05.2013 at 3.00 PM and the tenders shall be opened at 3.30 PM on 25.05.2013. Tenderers or their authorized representatives may, if desired, be present when the tenders are opened. The EMD of the Tender is 1% of the quoted amount and the selected contractor will be required to deposit an amount equal to 10% of the total amount as security in name of undersigned.

The Director, NCRMI reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever.

Director  
NCRMI

**1. Schedule of items for the construction of Kottarathilpadi-Nallurpadi road (432 m long)**

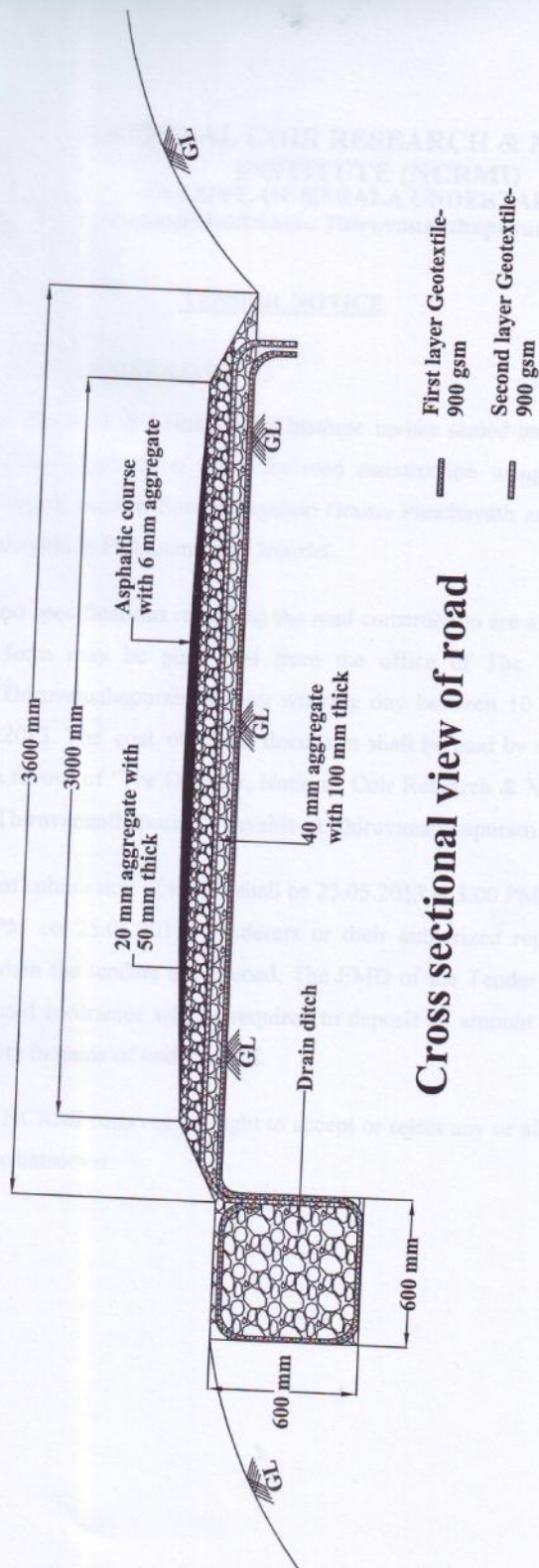
Sl No.	Description of work	Quantity	Rate in Rupees	Cost in Rupees	Cost in words
1	<b>Clearing and levelling</b> the site for the construction of road (432 m long and 4.2 m wide) including earth filling for undulated portions and compaction with compactor/roller at OMC as per drawing. 2.5% camber is to be provided in sub grade.	LS			
2	<b>Excavation in Soil</b> for drain ditch by Manual Means. Excavation as required for drain ditch in soil using manual means. Drain ditch size 432 m x 0.6 m x 0.6 m x 1 no.s	156 m <sup>3</sup>			
3	<b>Sub - Base Course</b> (a) Metalling the roadway, 100 mm spread thickness compacted to 75 mm using 40 mm broken stone bed rolling, spreading broken stones to template, rolling dry to compaction from side to centre until the movement of broken stone cease, watering profusely and rolling until the fines cream up and fill the voids of the stones, then spreading the gravelling earth & sweeping into the joints, watering & rerolling until the gravelling earth has worked into whole the crevices and only a thin coat of slurry remains, then take off the roller & allow to set to harden for 24 hrs and rerolling next day until the gravelling earth has worked into whole the crevices and only a thin coat of slurry remains, then take off the roller & allow to set to harden for 24 hrs and	1296 m <sup>2</sup>			

	<p>rerolling next day until any deformity is rectified, including fencing, lighting, watching &amp; maintaining the surface free of ruts for 15 days after completion.</p> <p>(b) For filling 40 mm broken stones in the drain ditch</p>	156 m <sup>2</sup>			
4	<p><b>Coir Geotextile</b> (To be supplied by NCRMI at site) – The coir geotextile will be laid in 2 layers. The bottom layer is to be laid above the sub-grade and the second layer is to be laid above the sub-base course (40 mm broken stone layer) as per the drawing.</p> <p>(a) Cutting of coir geotextile (b) Laying of coir geotextile</p>	5035 m <sup>2</sup> 5035 m <sup>2</sup>			
5	<p><b>Prime coat</b> Providing 50 mm premixed carpet over the second layer of coir geotextile using 20 mm broken stone after spraying the bitumen over the coir geotextile, rolling to dense surface. (Total usage of bitumen should not be less than 29.1 kg/10m<sup>2</sup>)</p>	21 m <sup>3</sup>			
6	<p><b>Surface Dressing/carpeting</b> Providing premixed heavy seal coat using 6 mm hard blue granite broken stone premixed with bitumen at 8.64 kg/10m<sup>2</sup></p>	10 m <sup>3</sup>			
<b>Grand Total</b>					

**2. Schedule of items for the construction of Ambedkar Colony road (510 m long)**

<b>Sl No.</b>	<b>Description of work</b>	<b>Quantity</b>	<b>Rate in Rupees</b>	<b>Cost in Rupees</b>	<b>Cost in words</b>
1	<b>Clearing and levelling</b> the site for the construction of road (432 m long and 4.2 m wide) including earth filling for undulated portions and compaction with compactor/roller at OMC as per drawing. 2.5% camber is to be provided in sub grade.	LS			
2	<b>Excavation in Soil</b> for drain ditch by Manual Means. Excavation as required for drain ditch in soil using manual means. Drain ditch size 432 m x 0.6 m x 0.6 m x 1 no.s	167 m <sup>3</sup>			
3	<b>Sub - Base Course</b>  (c) Metalling the roadway, 100 mm spread thickness compacted to 75 mm using 40 mm broken stone bed rolling, spreading broken stones to template, rolling dry to compaction from side to centre until the movement of broken stone cease, watering profusely and rolling until the fines cream up and fill the voids of the stones, then spreading the gravelling earth & sweeping into the joints, watering & rerolling until the gravelling earth has worked into whole the crevices and only a thin coat of slurry remains, then take off the roller & allow to set to harden for 24 hrs and rerolling next day until the gravelling earth has worked into whole the crevices and only a thin coat of slurry remains, then take off the roller & allow to set to harden for 24 hrs and	1530 m <sup>2</sup>			

	<p>rerolling next day until any deformity is rectified, including fencing, lighting, watching &amp; maintaining the surface free of ruts for 15 days after completion.</p> <p>(d) For filling 40 mm broken stones in the drain ditch</p>	167 m <sup>2</sup>			
4	<p><b>Coir Geotextile</b> (To be supplied by NCRMI at site) – The coir geotextile will be laid in 2 layers. The bottom layer is to be laid above the sub-grade and the second layer is to be laid above the sub-base course (40 mm broken stone layer) as per the drawing.</p> <p>(c) Cutting of coir geotextile (d) Laying of coir geotextile</p>	5621 m <sup>2</sup> 5621 m <sup>2</sup>			
5	<p><b>Prime coat</b> Providing 50 mm premixed carpet over the second layer of coir geotextile using 20 mm broken stone after spraying the bitumen over the coir geotextile, rolling to dense surface. (Total usage of bitumen should not be less than 29.1 kg/10m<sup>2</sup>)</p>	25 m <sup>3</sup>			
6	<p><b>Surface Dressing/carpeting</b> Providing premixed heavy seal coat using 6 mm hard blue granite broken stone premixed with bitumen at 8.64 kg/10m<sup>2</sup></p>	12 m <sup>3</sup>			
<b>Grand Total</b>					



**Cross sectional view of road**