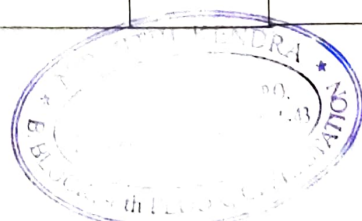


### INVITATION OF TENDER

District Nirmithi Kendra, Thiruvananthapuram invites tender from the competent firms/experienced contractors in prescribed form for Renovation of damaged road at Pakaloor Mannam memmorial Road.

Sl No	PARTICULARS	QTY	UNIT
1	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406. By Mechanical Means with 1 km lead	51.3	cum
2	Modified Penetration Macadam 50 mm thick using Bitumen S-65 Construction of penetration macadam over prepared base by providing a layer of compacted crushed coarse aggregate using chips spreader with alternate applications of bituminous binder and key aggregates and rolling with a three wheel 80-100 kN static roller to achieve the desired degree of compaction as per Technical Specification Clause 506.	96	sqm
3	Prime Coat Medium porosity :- Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502	684	sqm
4	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of	684	sqm



	0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer & cleaned with Hydraulic broom as per Technical Specification Clause 503.		
5	Tack Coat Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503	1098	sqm
6	20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65 Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508. Case - I By Manual Means (II)Bitumen (S-65)	1782	sqm
7	5.12.A.3.2a Seal Coat - Manual Means - Type C - Bitumen S-65 Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 A.By Manual Means:-Case - III : Type C (II)Bitumen (S-65)	1782	sqm
8	Providing Plain cement concrete for berm concrete work (without form work)CC 1:2:4(1cement:2fine aggregate:\$course aggregate)laid to required slope and camber in panels(@3mc/c)as required including compaction,finishing and tamping etc.complete.Max:size of course aggregate not exeeding 25mm,mixed in concrete mixer etc complete as per specification (i)Nominal mix (1:2:4)	15.250	M3

## 2) Bid Price

- The contract shall be for the full quantity as described above. Corrections if any shall be made by crossing out re-writing with initial and date.
- The rate should be all inclusive of taxes, levies, transports etc.

We look forward to receiving your tender and thank for your interest in this work.

  
Project Manager

**TENDER NO.1086(7)/20/DNK**  
**DISTRICT NIRMITHI KENDRA, THIRUVANANTHAPURAM**  
**TENDER SCHEDULE**

Sl.NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100kN weight to achieve the desired density including lighting, barricading and maintenance of diversion, etc as per Tables 400.11 & 400.12 and Technical Specification Clause 406. By Mechanical Means with 1 km lead	51.3	cum		
2	Modified Penetration Macadam 50 mm thick using Bitumen S-65 Construction of penetration macadam over prepared base by providing a layer of compacted crushed coarse aggregate using chips spreader with	96	sqm		



	alternate applications of bituminous binder and key aggregates and rolling with a three wheel 80-100 kN static roller to achieve the desired degree of compaction as per Technical Specification Clause 506.				
3	<p>Prime Coat</p> <p>Medium porosity :- Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502</p>	684	sqm		
4	<p>Tack Coat</p> <p>Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surfaces treated with primer &amp; cleaned with Hydraulic broom as per Technical Specification Clause 503.</p>	684	sqm		
5	<p>Tack Coat</p> <p>Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503</p>	1098	sqm		
6	<p>20mm thick Open-Graded Premix Carpet using Bituminous (penetration grade/modified bitumen) Binder - Bitumen S-65 Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type</p>	1782	sqm		

	B or Type C as per Technical Specification Clause 508. Case - I By Manual Means (II) Bitumen (S-65)				
7	5.12.A.3.2a Seal Coat - Manual Means - Type C - Bitumen S-65 Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 A. By Manual Means:-Case - III : Type C (II) Bitumen (S-65)	1782	sqm		
8	Providing Plain cement concrete for berm concrete work (without form work) CC 1:2:4 (1 cement: 2 fine aggregate: 4 coarse aggregate) laid to required slope and camber in panels (@ 3mc/c) as required including compaction, finishing and tamping etc. complete. Max: size of course aggregate not exceeding 25mm, mixed in concrete mixer etc complete as per specification (i) Nominal mix (1:2:4)	15.250	M3		
	<b>TOTAL</b>				

Gross Total Cost:- Rs.....  
 .....(In words) We agree to supply the above goods in accordance with the technical Specification for a total price of Rs.....(amount in figure) .....(amount in words) within the period specified in the invitation for tender.

Signature of tenderer