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Army Institute of Technology  
Dighi Hills  
Pune – 411015

AIT/0810/118/2016-17/CQ/Proj

Date : 03 Mar 2017

Due date : 19 Mar 2017

**CALL FOR QUOTATION : RESURFACING AND REPAIRING  
OF INTERNAL ROADS**

1. This Institute is interested in carrying out resurfacing and repairing of internal roads, as per the specification given in table below:-

<b>Sr No</b>	<b>Description of Item</b>	<b>Qty</b>	<b>Amount</b>
1.	Applying Tack coat and/or seal coat on existing road surface in AIT campus, as per specification on location specified by Project Officer	LS	
2.	Repair of WMB has to be carried out as per specification at certain locations. This location will be pointed out by Project Officer.	LS	

**Note:**

- 1) Interested parties can contact Project Officer during working hours 9am to 4:30pm on all working days (Monday to Friday)
- 2) The bid will specify total cost of work separately with detail specification, quantity, rate and time required for completion of work after issue of work order.
- 3) Please check attached Appendix having plan of probable locations of above said work.
- 4) Please provide completion certificate or related documents of previous similar works carried out.
- 5) Management reserves the right to select or reject the Contractor based on past experience and specifications provided.
- 6) Decisions of Board of Officers detailed by AIT for selection of contractor will be final.

**Detailed specification**

- (a) The premix work shall consist of the preparation, laying and compaction of close graded premix surfacing.
- (b) The grading requirement of material is as under:-

<u>IS Sieve Designation</u>	<u>Cumulative% by wt of total agg</u>	<u>passing.</u>
13.2 mm		100
11.2 mm		88 – 100
5.6 mm		31 – 52
2.8 mm		05 – 25
0.09 mm		0 - 5

- (c) The binder content shall be 22 Kg per 10 Sqm.
- (d) The tack coat of low viscosity liquid bituminous material shall be applied to existing bituminous road surface before laying of premix carpet. The quantity of bitumen to be used for tack coat shall be 2.5 Kg/10 Sqm. The application temp of tack coat shall be 50 °C to 80°C.
- (e) The mix shall be prepared by hot mix plant. The temp of binder at the time of mixing shall be in the range of 150°C to 163°C provided that the difference between the temp of aggregate and binder at no time exceeds 14 °C. The laying temp of mix be 130°C to 160°C.
- (f) The mix shall be immediately transported from mixer to the point of use in suitable vehicles.
- (g) The premix material shall be spread by suitable means to the desired thickness, grade and cross fall, making due allowance for any extra quantity required to fill up depressions if any. The rolling be done by 8-10 capacity road roller. The rolling operation should be completed before the temperature of mix falls below 100°C.
- (h) The measurement for payment for premix carpet and BUSG shall be for finished work as per the location specified initially. The measurement will be taken jointly. In case of dispute the decision of Project Officer is final and binding.
- (i) The rate is inclusive of all taxes, octroi, levies, royalty payment etc. No extra payment shall be made on any account, whatsoever. The contract is required to produce royalty payment certificate issued by the competent authority in support of the materials used for the work.
- (j) All testing shall be got carried out as per the direction of Engr-in-charge of the work. But the expenditure involved is to be borne by the Contractor.
- (k) All the works are to be executed as per the laid down specification and as directed by the Engineer-in-Charge for the work.
- (l) The BUSG work shall consist of composite construction of compacted crushed coarse aggregate with application of bituminous binder and application of key aggregate. The thickness shall be minimum 75 mm. The grading requirement for aggregates shall be as under:-

IS Sieve Designation (mm)	Cumulative% by wt of total agg passing	
	Coarse	Key agg
53.0	100	-
26.5	40-75	-
22.4	-	100
13.20	0-20	40-75
5.6	-	0-20
2.8	0-5	0-5

- (m) Bitumen 80/100 grade shall be used.
- (n) The binder for coarse aggregate shall be 15 Kg/10 Sqm.
- (o) The binder for key aggregate shall be 15 Kg/10 Sqm.

2. Please send your lowest quotation in sealed cover addressed to Director AIT so as to reach this institute on or before **19 Mar 17**. Late quotations will not be considered.

3. Envelope should be subscribed as “**RESURFACING AND REPAIRING OF INTERNAL ROADS**”.

4. Terms and Conditions.

(a) Performance Bank Guarantee. 5% of the complete work order cost shall remain under Bank Guarantee till the expiry of the warranty as 'Performance Warranty'. The contractor shall furnish a performance Bank Guarantee equal to five percent (5%) of the total value of the contract within the 7 days of the receipt of work order. Bank Guarantee will be valid till expiry of the warranty.

(d) Payment will be made after completion of work and on verification by a Board of Officers that the work is satisfactory.

(e) Any retrieved / broken material should be disposed off at the location as instructed by Maintenance-in-Charge.

Sd/-xxx  
(KE Vijayan)  
Col (Retd)  
Jt Director  
for Director