



**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
DESIGN AND MANUFACTURING KANCHEEPURAM
(An Institute of National Importance under MoE, Government of India)
Melakkottaiyur, Off Vandalur-Kelambakkam Road, Chennai – 600 127,
Tamil Nadu.**

NOTICE INVITING TENDER (E-PROCUREMENT MODE)

Indian Institute of Information Technology Design and Manufacturing (IIITD&M) Kancheepuram invites **e-tender under TWO BIDS** with prequalification systems from the vendors who fulfils the eligibility as given below in the campus.

Sl. No.	Particulars	Quantity Required
1	PREMIX BITUMINOUS CARPETTING FOR INTERNAL ROADS FROM NORTH SIDE ENTRANCE TO ADMN BLOCK, WEST SIDE ENTRANCE TO ADMN BLOCK, TWO WHEELER PARKING AREA AND CAR PARKING AREA INCLUDING PATCH WORK REPAIRS AT IIITDM KANCHEEPURAM	As per Annexure-3

The tender document may be downloaded from the website <http://iiitdm.ac.in> or <https://mhrd.euniwizarde.com>. or <https://eprocure.gov.in/epublish/app>

The offers, in the prescribed format shall be submitted online at <https://mhrd.euniwizarde.com> as per the tender document. No tender will be accepted in hard copy, fax, email or any other such means. The intending, bidders must be registered with eWizard procurement <https://mhrd.euniwizarde.com>.

a) Tender Number /Date	IIITDM/19/2021-22/Engg/Civil/Road works/03; Dt: 18 th March 2022.
b) Bid Submission	06 th April, 2022; 15:00 Hrs
c) Technical Bid Opening	06 th April, 2022; 15:30 Hrs.
d) EMD	Bid declaration form duly typed in letter head of the bidder must be enclosed (Annexure – 1).
e) Security Deposit / Performance Guarantee	Successful Bidder shall submit the Security Deposit at 3% of Contract value.
f) Estimated cost. (Rs.)	25,80,000/- (Including GST)

TERMS & CONDITIONS GOVERNING THE CONTRACT

1. Eligibility Criteria: In order to be considered for the contract of the works as detailed under 'Scope of Work' in this Tender Document the tenderer should be:

1.1 "Having Similar "Civil Road works experience" preferably awarded by the State Govt. / Central Govt. / Autonomous / Reputed corporate institutions, for the value enlisted below and executed on or after 01/01/2017

(i) Rs. 20.64 lakhs for a single work order

(Or)

(ii) Rs. 15.48 lakhs each for two work orders

(Or)

(iii) Rs. 10.32 lakhs each for three work orders.

1.2 At least, one work should be in live from the scheduled works mentioned for the work order/work completion certificates.

2. Earnest Money Deposit/Bid Declaration Form:

Instead of EMD, Bidders are to execute a Bid declaration form accepting that if they withdraw or modify their Bids during the period of validity or if they fail to execute the awarded work as per the work order/contract they will be debarred for the period of one year for bidding for any tender of the institute. Further, the debarment will be intimated to all Institute of Government of India/ Governmental organizations for bidding by the firm for any tender (**Declaration enclosed in Annexure-1**).

3. Security Deposit & Contract Agreement:

3.1 On receipt of notification of award, successful bidder shall be required to send the acceptance of work order within 07 working days.

3.2 Successful Bidder shall submit the Security Deposit of 3% of Contract value in the form of a Crossed Demand Draft/Pay Order/Banker's cheque/FDR drawn/Bank guarantee in favor of "The Registrar, IITDM Kancheepuram", payable at Chennai within 07 (SEVEN) working days of the receipt of Notification of Award (NOA) / Award of Work order from IITDM Kancheepuram (the Defect Liability Period as specified (i.e., 12 months after completion of work).

3.3 The successful bidder shall be required to sign a detailed contract / agreement with IITDM Kancheepuram within a period of 07 working days after depositing Security Deposit. Failure to do so on the part of the Contractor, Notification of Award is liable to be cancelled and Security Deposit is liable to be forfeited.

3.4 In case of failure to commence the work by the Contractor within 07 days after signing of the contract or handover of site, the Institute shall be at the liberty to terminate the Award and forfeit the Security Deposit.

4. Preparation of bids - Two bid system (simultaneous receipt of separate technical and financial bids):

4.1 Technical bid shall consist of only prequalification document along with supported documents as detailed below:

4.1.1 Complete prequalification papers, Name of the Agency and also commercial terms etc., offered (**Note: Price column in this cover should be kept blank**).

4.1.2 Duly filled and digitally signed Bid submission, bid declaration & self-declaration Proforma (**As per Annexure – 1**).

4.1.3 Duly filled and digitally signed copy of Qualification Proforma along with a copy of work completion certificate as per the eligibility criteria referred in clause no. 1

4.2 **Financial bid** indicating item-wise price for the items mentioned in the technical bid, special concession in rates if any applicable for Educational Institutions shall also be offered and indicated clearly.

4.3 **Both the covers should be submitted through online eWizard portal <https://mhrd.euniwizarde.com> before due date and time.**

5. Technical terms: CPWD Specification Volume-II-(Clauses)

- **16.14.2:** Cutting Bituminous Roads and Making Good
- Cutting, making good and measurements shall be as specified in **16.14.1 (given below)** except the top bituminous surface shall be finished as per the existing surface or as directed by the Engineer-in-Charge. The item shall include cutting and restoration of W.B.M. portion as well as Bitumen portion.
- **Rate:** The rate shall include the cost of materials and labour involved in all the operations described above.
- **16.14.1:** Cutting all road crossings shall be cut in half the width at a time and repaired, unless otherwise permitted by the Engineer-in-Charge. Cutting shall be straight and uniform in width. Stone aggregate obtained from cutting macadam shall be stacked separately, clear of the road surface. Aggregate shall be screened. Stones of size below 20 mm and with rounded edges shall be discarded and disposed. The screened stone aggregates received from the potholes shall not be reused in work. The stone aggregate above 20mm shall be handed over to IIITDM.
- **16.14.1.2 Making Good:** After the trenches have been filled in with stone aggregate 8 cm thickness, well consolidated with heavy iron rammers and brought to sub grade level, soling stone obtained from cutting shall be laid as per existing soling and consolidated with heavy iron rammers. New aggregate 50 mm nominal size or as required, shall be added to old aggregate and spread over to a depth of 7.5 cm and application of Bituminous tack coat till the aggregate has become adequately consolidated and does not get displaced. All undulations shall be loosened by hand picking, surplus aggregate removed from high spots and depressions filled with surplus and new aggregate and the surface compacted again. When thoroughly consolidated, freshly collected 12mm or down grade stone aggregate shall be spread over it in 12 mm layer and consolidated with hand roller or heavy iron rammers, with sufficient application of sufficient hot bitumen for penetration and uniform surface is obtained.
- **16.29.3 Construction: As above and as per direction of Engineer – in –charge.**
- **16.29.4 Measurement of Payment:** The Repairs of Pot Holes Depressions Trench-surface correction etc., shall be measured in terms of surface and Average depth of repair in Cubic meter to two decimals. Tack coat shall be measured in length and width and surface area worked out in square meter to two decimals.
- **16.29.5 Rate:** The contract unit rate shall be payment in full for carrying out the required operations including for all components i.e. labor, equipment’s and machinery as described above
- **16.28: TACK COAT OF HOT STRAIGHT RUN BITUMEN OF GRADE VG- 10**
- **16.28.0:** The rate of application of binder which shall be as specified and which shall conform to 16.1.5 shall depend on the surface on which the premix carpet is to be laid. (b) 0.50 kg/Sq. M on bitumen surface.

16.1.5. BITUMEN GRADES		
1	BITUMEN GRADE	TEMPERATURE
2	For Bituminous concrete	150deg. C. to 177

- **16.29.1 Scope:** The work shall consist of the application of single coat of low viscosity liquid bituminous material to existing bituminous, cement concrete or primed granular surface preparatory to the superimposition of a bituminous mix, as specified in the contractor or as instructed by the Engineer-in-Charge and applied as specified in the nomenclature of item.

- **16.29.2 Materials:** The binder used for tack coat shall be either cationic bitumen emulsion (RS1) complying with IS: 8887 or suitable low viscosity-paving bitumen of VG 10 grade conforming to IS: 73. The use of cutback bitumen RC: 70 as per IS: 217 shall be restricted only for sites at sub-zero temperatures or for emergency applications as directed by the Engineer-in-Charge. The type and grade of binder for tack coat shall be as specified in the contract or as directed by the Engineer-in-Charge.
- **16.29.4 Measurement of Payment:** Tack coat shall be measured in terms of surface and Average depth of repair in Cubic Meter to two decimals.
- **16.29.5 Rate:** The contract unit rate for tack coat shall be payment in full for carrying out the required operations including for all components i.e. labour, equipment's and machinery as described above
- **16.29.3.1 Equipment:** The tack shall be applied by a self-propelled or towed bitumen pressure sprayer, equipped for spraying the material uniformly at specified rate. Hand spraying shall not be permitted except in small areas, inaccessible to the distributor, or narrow strips, shall be sprayed with a pressure hand sprayer, or as directed by the Engineer-in-Charge.
- **16.29.3.2 Preparation of Base** the surface on which the tack coat is to be applied shall be clean and free from dust, dirt and any extraneous material, and be otherwise prepared in accordance with the requirements. The granular or stabilized surfaces shall be primed as per
- **Para 16.65 clause (priming coat):** immediately before the application of the tack coat, the surface shall be swept clean with a mechanical broom, and high pressure air jet, or by other means as directed by the Engineer-in-Charge.
- **16.29.3.3 Application of Tack Coat:** The application of tack coat shall be at the consumption rate specified in the relevant item of work and it shall be applied uniformly. No dilution or heating at site RS1 bitumen emulsion shall be permitted. Paving bitumen if use for tack coat shall be heated to appropriate temperature in bitumen boilers to achieve viscosity less than 2 poise. The normal range of spraying temperature for a bituminous emulsion shall be 20 C to 70 and for cutback, 50 C to 80. The method of application of tack coat will depend on the type of equipment to be used, size of nozzles, pressure at the spray bar and speed or forward movement. The contractor shall demonstrate at a spraying trial, that the equipment and method to be used is capable of producing a uniform spray, within the tolerances specified.
- **16.28.1 Materials Bitumen:** This shall be straight-run bitumen of grade VG- 10 conforming to IS 73 specifications.
- **16.28.2 Preparation of Surface**
- **16.28.3 Cleaning:** 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 entire surface of the pavement and from existing dummy, construction and expansion joints (wherever existing) 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 as directed by the Engineer-in-Charge.
- **16.29.4 Measurement of Payment:** Tack coat shall be measured in terms of surface area of application in square meters.
- **16.29.5 Rate:** The contract unit rate for tack coat shall be payment in full for carrying out the required operations including for all components i.e. labour, equipment's and machinery as described above.
- **16.48 DENSE BITUMINOUS CONCRETE**
- **16.48.1 Scope Dense Bituminous Concrete (DBC),** is used in wearing and profile corrective courses. This work shall consist of construction in a single layer of bituminous concrete on a previously prepared bituminous bound surface. A single layer shall be 25mm /40mm/50mm as specified in the relevant item of work.
- **16.48.2 Materials.**
- **16.48.2.1 Bitumen:** The bitumen shall be viscosity grade paving bitumen complying with the Indian Standard Specification IS: 73, or as otherwise specified in the item. The type and grade of bitumen to be used shall be specified in the item of Contract. Where modified bitumen is specified, it shall conform to the requirements of IRC: SP: 53 and IS: 15462. Section criteria for viscosity grade

bitumen, based on highest and lowest daily mean temperatures at a particular site are given in Table 16.40A. Selection criteria for modified bitumen shall be in accordance with IRC: SP53.

- **16.1.7/16.48.2.1.2 Filler:** The filler, where specified, shall be an inert material, the whole of which passes through a 710-micron sieve, at least 90 per cent passing through a 180-micron sieve and not less than 70 per cent passing through a 90-micron sieve. The filler shall be cement, stone dust, hydrated lime, lime stone dust, flash or any other non-plastic mineral matter approved by the Engineer-in-Charge. Grade Temperature to which it shall be heated
- **16.48.2.2 Coarse Aggregates:** Same as specified in para 16.46.2.2 excepting strength which shall be max 30% for Los Angeles Abrasion Value and Aggregate Impact Value of max 24%. Where crushed gravel is proposed for use as aggregate, not less than 95 percent by weight of the crushed material **retained on the 4.75 mm sieve shall have at least two fractured faces**
- **16.48.4.3 Mixing and Transportation of the Mixture:** The provisions are same as specified in Para 16.47.3.3 shall apply.
- **16.48.4.4 Spreading:** The provisions are same as specified in Para 16.47.3.5 shall apply.
- **16.47.3.5 Spreading:** Prior to spreading the mix, the base shall be prepared by carrying out the required operation. Except in areas where a mechanical paver cannot get access, bituminous materials shall be spread, leveled and tamped by an approved self-propelled paving machine equipped with an electronic sensing device. The essential features of the paver finisher shall conform to Annex 'A' of IRC: 27. As soon as possible after arrival at site, the materials shall be supplied continuously to the paver and laid without delay. The rate of delivery of material to the paver shall be regulated to enable the paver to operate continuously. The travel rate of the paver, and its method of operations, shall be adjusted to ensure an even and uniform flow of bituminous material across the screed, free from dragging, tearing and segregation of the material. In areas with restricted space where a mechanical paver cannot be used, the material shall be spread, raked and leveled with suitable hand tools by experienced staff, and compacted to the satisfaction of the Engineer-in-charge. The minimum thickness of material laid in each paver pass shall be in accordance with the minimum values given in the relevant parts of these Specifications. When laying binder course or wearing course approaching an expansion joint of a structure, machine laying shall stop 300 mm short of the joint. The remainder of the pavement up to the joint, and the corresponding area beyond it, shall be laid by hand, and the joint or joint cavity shall be kept clear of surfacing material. Bituminous material, with a temperature greater than 145°C, shall not be laid or deposited on bridge deck waterproofing systems, unless precautions against heat damage have been approved by the Engineer-in-charge.
- **16.48.4.5 Rolling / Compaction:** The provisions are same as specified in Para 16.47.3.6 shall apply.
- **Para 16.47.3.6 Rolling / Compaction:** Bituminous materials shall be laid and compacted in layers which enable the specified thickness, surface level, regularity requirements and compaction to be achieved. Compaction of bituminous materials shall commence as soon as possible after laying. Compaction shall be substantially completed before the temperature falls below the minimum rolling temperatures stated in the relevant part of these Specifications. Rolling of the longitudinal joints shall be done immediately behind the paving operation. After this, rolling shall commence at the edges and progress towards the center longitudinally except that on super elevated and unidirectional cambered portions, it shall progress from the lower to the upper edge parallel to the center line of the pavement. Rolling shall continue until all roller marks have been removed from the surface. All deficiencies in the surface after laying shall be made good by the attendants behind the paver, before initial rolling is commenced. The initial or breakdown rolling shall be done with 8 – 10 tonnes dead weight smooth-wheeled rollers. The intermediate rolling shall be done with 8 – 10 tonnes dead weight or vibratory roller or with a pneumatic tyred roller of 12 to 15 tonnes weight having nine wheels, with a tyre pressure of at least 5.6 kg/sqcm or 0.56 MPa. The finish rolling shall be done with 6 to 8 tonnes smooth wheeled tandem rollers. Rolling shall be continued until the specified density is achieved, or where no density is specified, until there is no further movement under the roller. Where compaction is to be determined by density of cores the requirements to prove the performance of rollers shall apply in order to demonstrate that the specified density can be achieved. In such cases the Contractor shall nominate the plant, and the method by which he intends to achieve the specified level of compaction and finish at temperatures above the minimum specified rolling temperature. Laying trials shall then demonstrate the acceptability of the plant and

method used. Bituminous materials shall be rolled in a longitudinal direction, with the driven rolls nearest the paver. The roller shall first compact material adjacent to joints and then work from the lower to the upper side of the layer, overlapping on successive passes by at least one-third of the width of the rear roll or, in the case of a pneumatic-tyred roller, at least the nominal width of 300 mm.

- In portions with super elevated and unidirectional camber, after the edge has been rolled, the roller shall progress from the lower to the upper edge. Rollers should move at a speed of not more than 5 km per hour. The roller shall not be permitted to stand on pavement which has not been fully compacted, and necessary precautions shall be taken to prevent dropping of oil, grease, petrol or other foreign matter on the pavement either when the rollers are operating or standing. The wheels of rollers shall be kept moist with water, and the spray system provided with the machine shall be in good working order, to prevent the mixture from adhering to the wheels. Only sufficient moisture to prevent adhesion between the wheels of rollers and the mixture should be used. Surplus water shall not be allowed to stand on the partially compacted pavement.
- **16.48.5 Opening to Traffic:** The newly laid surface shall not be open to traffic for at least 24 hours after laying the completion of compaction, without the approval of the Engineer-in-Charge in writing.
- **16.48.6 Surface Finish and Quality Control of Work:** The surface finish of the completed construction shall conform to the requirements of section 900 of MORTH Specifications. For control of the quality of materials supplied and the works carried out the relevant provisions of Section 900 of MORTH Specifications
- **16.48.7 Arrangement for Traffic:** During the period of construction, arrangements for traffic shall be made in accordance with the provisions of specification and as per direction of the Engineer-in-charge.
- **16.48.8 Measurement Dense Bituminous Concrete** shall be of not less than 25mm thick and measured as finished work in Square meters, correct to two places of decimal.
- Description Permissible Variation Aggregate passing 19 mm sieve or larger $\pm 7\%$ Aggregate passing 13.2 mm, 9.5 mm $\pm 6\%$ Aggregate passing 4.75 mm $\pm 5\%$ Aggregate passing 2.36 mm, 1.18 mm, $\pm 4\%$ 0.6 mm Aggregate passing 0.3 mm, 0.15 mm $\pm 3\%$ Aggregate passing 0.075 mm $\pm 1.5\%$ Binder content $\pm 0.3\%$ Mixing temperature $\pm 10^\circ\text{C}$ 835
- **16.48.9 Rate:** The rate includes the cost of all material, labour, machineries and equipments in all the operations described above.

Annexure showing quantities of materials for areas of surfacing to be considered for working out minimum period of road roller

Sl. No.	Material of surfacing	Quantity or area
1	Consolidation of earth sub grade	1860 Sq.m
2	Consolidation of stones soling 15 cm. to 22.5 cm thick	170 Cu.m
3	Consolidation of wearing coat of stone ballast 7.5 cm to 11.5 cm thick	30 Cu.m.
4	Laying full grouted surface using stone aggregate 50 mm nominal size 9.14 Cu.m. per 100 sq.m. groutin with binder, with stone grit 20 mm to to 12.5 mm nominal size, 1.83 Cu.m. per 100 Sq.m. and seal coat of binder and stone grit 10mm nominal size 1.07 cu.m /100 Sqm	370 Sqm
5	2.5 cm bitumastic sheet using stone aggregate 1.65 Cu.m. (60% 12.5 mm nominal size, 40% 10 mm nominal size) per 100 Sq.m. and coarse sand 1.65 Cu.m. per 100 Sq.m. and hot cut back bitumen over a tack coat of hot cut back bitumen.	750 Sqm.

6. Commercial terms:

- 6.1 On receipt of notification of award, successful bidder shall be required to physically start the work within 07 working days after signing the contract or handover of site, whichever is earlier. In case of failure to commence the work by the Contractor within 07 days after signing of the contract or handover of site, the Institute shall be at the liberty to terminate the Award and forfeit the Security Deposit.

- 6.2 The successful bidder shall be required to sign a formal detailed contract / agreement with IIITDM Kancheepuram within a period of 07 working days and also to pay security deposit within 07 days. Failure to do so on the part of the Contractor, Notification of Award is liable to be cancelled and Security Deposit is liable to be forfeited.
- 6.3 The work shall be executed and completed within **45 working days** from the date of Commencement of the Work. In case the Contractor fails to complete the assigned work within specified Work Completion Period, IIITDM Kancheepuram may recover Liquidated Damage and/or terminate the Contract and/or forfeit the Security Deposit. IIITDM Kancheepuram on its part would be required to handover the site to the Contractor free from any encumbrance.
- 6.4 Item Rates quoted on the ‘Schedule of Work’ by the bidder shall be valid and constant during the entire period of contract and will not be subject to any variation on any account whatsoever.
- 6.5 Measurements of all items having financial value shall be recorded in Measurement books so that a complete record is obtained of all works performed under the contract. Measurements shall be taken jointly by the IIITDM Kancheepuram official designated for the purpose and the Contractor.
- 6.6 Payment of bills shall be made against supply, acceptance and after verification of the bill by the Institute after deduction of taxes and TDS as per applicable rules. Running account bill/Final bill shall be submitted by the contractor after execution of work and completion certificate shall be furnished by the Institute after completion of work in full. Payment to be made only for the work actually done.
- 6.7 The Contractor shall take at his own cost, necessary insurance cover in respect of staff and other personnel to be employed or engaged by him in connection with the afore mentioned services personnel by services to be rendered.
- 6.8 Statuary deductions of taxes at source will be carried out from the payment due at the prevalent rates as prescribed by the government.

7. Other conditions:

- 7.1 The institute reserves the right to reject any or all the bids without assigning any reasons thereof. No tenderer shall have any cause of action or claim against IIITDM Kancheepuram for rejection of his bid.
 - 7.2 The IIITDM, Kancheepuram is having a right to cancel the awarded work at any point of time in case of the contractor’s performance is not up to the mark by giving termination letter.
 - 7.3 The tender document is not transferable and Conditional Tenders / Non-compliance of any of the conditions set in tender document shall render the bid liable for rejection.
 - 7.4 IIITDM Kancheepuram reserves the right to seek any clarification from the bidders or waive any minor deviation in the provisions governing the contract at its sole discretion.
- 8** Further, refer & comply with the in detail “**Tender general terms and conditions**” available at IIITDM > FORMS > ENGINEERING SECTION > TENDER GENERAL TERMS AND CONDITIONS” enclosed in the mentioned web link. These conditions are part and parcel of contract agreement. http://www.iiitdm.ac.in/img/intranet_forms/ENGINEERING_SECTION/tnc.pdf

Sd/-
Registrar
IIITDM Kancheepuram

BID SUBMISSION, BID DECLARATION & SELF DECLARATION PROFORMA

Name of the Work/AMC: Premix carpeting for internal roads from North side main entrance to admin block, west side entrance to admin block, two wheeler and car parking area at IIITDM campus,

Tender No.: IIITDM/19/2021-22/Engg/Civil/Road works/03; **Dt:** 18th March, 2022.

The Registrar,
IIITDM Kancheepuram,
Chennai 600127.

Dear Sir,

- 1.1 I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Autonomous Body etc., at anywhere in the country.
- 1.2 I/We hereby bid for the tender and agree that if we withdraw or modify our Bids either during the period of validity of bid or fail to execute the contract in line with the purchase order/contract, our firm will be debarred for the period of one year for further bidding of any tender of your institute. Further, we agree that your institute is at liberty to intimate this debarment to all Institutes/ organizations of government and governmental organizations.
- 1.3 I/We hereby offer to quote for work as defined in ‘Scope of Work’ and the relevant Annexures at the quoted price given in the ‘Scope of Work’ Proforma as per Annexure-3 and agree to hold this offer open till 03 months from the due date.
- 1.4 I/We have read, understood and comply with all Terms and Conditions stipulated in the Tender document necessary for submission of this bid.
- 1.5 It is further stated that I/We have fully read and understood the ‘Scope of Work’ and Terms and Conditions in the Tender Document governing this contract and shall abide by them in too, if awarded the Contract.

Date:

Yours faithfully,
Digital Signature

Note: This form duly typed on the letterhead of the bidder and duly signed should be uploaded forming Annexure-1 of this Bid document.

QUALIFICATION PROFORMA

Name of the bidder (Firm):	
Contact details of the bidder: Address: Land line: Mobile: Email Id:	
GST No.: (Please enclose the copy of GST)	
PAN No.:	
Bid Submission, Bid & Self declaration Proforma: (Please enclose the annexure-1)	
Experience: Details of similar civil road works executed especially with Govt./PSU /PWD/ CPWD/ MES/ BSNL/ RAILWAYS/ State Govt. Org./ Autonomous / Corporate institutions organizations for a value not less than Rs. 20.64 lakhs for a single work order (or) Rs. 15.48 lakh each for two work order (or) Rs. 10.32 lakh each for three work order should be awarded and executed on or after 01.01.2017. (Please enclose the copy of valid work order/ work completion certificate)	
Details of Manpower availability: (Number with their qualification & experience): (Add separate sheet if required)	

Declaration:

I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in NIT.

Digital Signature

SCOPE OF WORK

Name of work: Premix carpeting for internal roads from North side main entrance to admin block, west side entrance to admin block, two wheeler and car parking area at IITDM campus, Melakkottaiyur.					
Sl. No.	Description of Item	Qty	Unit	Rate in Rs.	Amount in Rs.
	SUB HEAD-1: EARTH WORK				
1.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 Sq. M on plan including getting out and disposal of excavated earth up to 50 m and lift up to 1.5 m, as directed by Engineer-in- Charge:				
1.1.1	All kinds of soil	150	Sq. M		
1.2	Supplying and spreading quarry dust over the bituminous concrete layer not exceeding 3mm average thickness brooming and spreading layer with all leads within the IITDM campus and lift up to 1.5 m	8310	Sq. M		
	SUB HEAD-2: ROAD WORK				
2.1	Cutting, scarifying and cleaning the Pot Holes to minimum required regular size on road and making good the same including supply of required quantities of materials i.e.(a) 53 mm to 22.4 mm size stone aggregate; (b) Stone screening 13.2 mm nominal size (Type A); (c) Bitumen of grade VG-10(@ 90 Kg of bitumen per cum of stone aggregate) including heating the bitumen ; spraying the bitumen over the rolled stone aggregate for penetration in layers and correcting the profiles to required shape; including rolling the repaired surface with Mechanical Road Roller of 8 to 10 Tonnes Capacity, to required level inclusive of all materials, machineries and labour required, and completing the repair work, minimum one day ahead of the premix carpet surfacing including disposal of waste within the campus all as per directions of Engineer -in-charge.				
2.1.1	Bituminous portion	12	cum		
2.2	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, 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 :				
2.2.1	On bituminous surface @ 0.50 Kg / Sq. M	8310	Sq. M		
2.3	Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-charge.				

2.3.1	25 mm compacted thickness with bitumen of grade VG30 @ 5% (percentage by weight of total mix which is not less than 118 kg of bitumen per cum of bituminous concrete) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	8310	Sq. M		
Grand Total in Rs.					

Grand Total Amount in Words:

Note: Grand total amount will be taken into consideration for arriving at L-1.

- **The entire rate including GST.**

Declaration: I/We hereby declare and affirm that I/We have read and understood the terms and conditions of the contract as stipulated in NIT.

Date:

Digital Signature