

**BOSE INSTITUTE**  
***Research Institute funded by DST, Govt. of India***  
***P-1/12, C.I.T Scheme VII-M, Kolkata - 700 054***  
**Tender Notice # BI/T/OVR/P/02/2014 dated 27.01.2014**

Bose Institute, Kolkata invites sealed tenders in duplicate from reputed, resourceful and bonafied Contractor's for the following civil construction project.

- 1) ***Construction of 5mtr. wide peripheral service road in connection with proposed Animal House at Madhyamgram Experimental Farm.***

For details of the project as well as the bid documents with details visit the Bose Institute website <http://www.boseinst.ernet.in>. Last date of submission of tender is 07.03.2014 upto 2.30 P.M. (I.S.T 14.30 hrs).

Sd/-  
***(S.Panigrahi)***  
***Registrar***

BOSE INSTITUTE  
Centenary Building  
P-1/12, C.I.T. Scheme VII-M, Kankurgachi  
Kolkata-700054.

**Sub:** Construction of 5mtr. wide peripheral service road in connection with proposed Animal House at Madhyamgram Experimental Farm

Sealed tender in duplicate in prescribed forms are invited from the reputed and resourceful bonafied contractors having credential same nature of job under Government of West Bengal & Government of India, super scribing tender No. & date on the top of the envelop.

The tenderer having credential of 02nos of infrastructure development work with value upto 50lacs and above amount in a single tender within last three (03) financial years may download the complete tender documents from our website.

Tender documents, complete in all respect with supporting credential, VAT registration copy, PAN card Xerox, P.T. clearance and bank solvency certificate with requisite earnest money (EMD) Rs 02 lakhs (refundable) and tender fees of Rs. 1000/- (non refundable) separately in the form of demand Draft to be drawn in favour **of Bose Institute, Kolkata on Nationalized Bank** will have to be submitted either in person or by registered post so as to reach the office of the Registrar at the above address on or before 07.03.2014 up to 2-30 P.M. (I.S.T 14.30 hrs) to be opened on the same day at 3.00 P.M. in-presence of tenderers. The Institute will not be responsible for postal delay, if any. Bid offer remains valid for 120 days from the date of opening of Tender. The Bose Institute Authority reserve the right to accept and/or reject any/all application at its discretion without assigning any reason whatsoever.

**Registrar**

**GENERAL RULES AND DIRECTION**  
**FOR THE GUIDANCE OF CONTRACTOR**

1. Contractor tendering for the work should visit the site make himself thoroughly acquainted with the nature requirement of the case, facilities for access of materials source of water supply for boring purposes, removal of rubbish, working facilities, cost of carriage, freight and other charges necessary for the execution of work and shall take into consideration in their tender for any special difficulties they might encounter although these may not be mentioned in the specification, and no claim on any such accounts will be entertained.
2. Tenderer is to include in their all the Govt. taxes as will be applicable viz. Sales tax, Income Tax, all duties, Labour welfare Cess and/or any other taxes or local charges payable and no separate claim on any such account can be considered.
3. Tenderer should invariably quoted the rates both in figures and/in words. Tenders which do not comply with this rule will be liable to rejection.
4. Tenderer should sign each and every page of the attached specifications, conditions and schedule of items.
5. The tendered rates for the work shall be taken to be firm. The contractor shall not be entitled to any price variation or escalation on any account whatsoever.
6. Sealed tender duly signed should be submitted in duplicate in a sealed cover, super-scribed with the name of the work and addressed to the Registrar, Bose Institute, P-1/12,C.I.T.Scheme-VII-M, Kankurgachi, Kolkata – 700 054.
7. The Institute reserves the right to reject any or all the tenders and is not bound to accept the lowest tender.

- **: TENDER FOR THE WORK: -**

I/We hereby tender for the execution for the Bose Institute of the work specified in the under-written memorandum within the time specified in such memorandum at the rate specified therein, and in accordance in all respects with the specification, designs, drawings and instruction in writing mentioned in the conditions of contract, and with such materials as are provided for, by and in all respects in accordance with such conditions so far as possible.

**:- MEMORANDUM: -**

- (a) General description of the work : Construction of 5mtr. wide peripheral service road in connection with proposed animal at Animal House at Madhyamgram Experimental Farm
- (b) Estimated Cost :
- (c) Earnest Money : Rs 02 lakhs
- (d) Security Deposit : 10% of Bill amount.

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The security deposit will be collected by deduction from the running bills of the contractor at the rates mentioned above and the earnest money will be treated as part of the security deposit.

- (e) This being an emergent work time allowed for the work is 03 (three) weeks to be reckoned from the 3<sup>rd</sup> day from the date of receiving the Work Order.

The tender will remain open for acceptance for 4 (four) months from date of receipt. Should this tender be accepted, in whole or in part, I/We hereby agree (i) to abide by and fulfill all the terms and provisions of the said conditions annexed hereto and all the terms and provisions in notice inviting tenders so far as applicable and/or in default thereof to forfeit and pay to the Institute the sum of money mentioned in the conditions. A sum of Rs. /- is hereby forwarded in the form of Demand draft/pay Order against the Earnest Money.

If I/We fail to commence the work specified in the above memorandum, I/We agree that the said Director without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money or to execute all the work referred to in the tender documents upon the terms and conditions contained or referred to therein.

Dated :

Witness :

**Signature of the Contractor**

Address :

Occupation :

The above tender is hereby accepted by me on behalf of the Bose Institute.

Dated : the ..... Day of .....20 Signature

Bose Institute  
P-1/12,C.I.T. Scheme VII-M, Kankurgachi  
Kolkata – 700 054

**-: SPECIFICATION AND CONDITIONS DEFINITIONS: -**

1. INSTITUTE: the term “Institute” hereinafter referred to shall mean Bose Institute, P-1/12,C.I.T.Scheme VII-M, Kolkata – 700 054.
2. ENGINEER-IN-CHARGE: The Engineer-in-Charge shall mean the person employed by Institute for the purpose of superintending the works.
3. The “Contract” means the documents forming the tender and acceptance thereof together with the document referred to therein including these conditions, the specifications, designs, drawings, and instructions issued from time to time by the director, Bose Institute or his authorized representative or the Engineer-in-charge and all these documents taken together shall be deemed to form one contract.
4. The expression work shall be construed and taken to mean the work by or by virtue of the contract contracted to be executed whether temporary or permanent and whether original, altered, substituted or additional.

5. The "Site" shall mean the land and/or other places on, into or through which work is to be executed.
6. The "Contractor shall mean the individual or firm or Company, whether incorporated or not, undertaking the works and shall include the legal personal representative or such individual or the successors of such firm or company.

Words imparting the singular number include the Plural number and vice verse.

**-: CLAUSES: -**

1. The time allowed for carrying out the work shall be 03(three) weeks and shall be reckoned from the 03<sup>rd</sup> day of receiving the Work Order. The work shall throughout the stipulated period of the contract be processed with due diligence and the contractor shall pay or allow the institute to realize the sum equivalent to 1% of the total cost of work per week subject to a maximum limit of 10% of the Order value or final bill amount whichever is greater as agreed compensation for delay for the period during which the said work shall remain incomplete beyond the time of completion. Notwithstanding above, the Director, Bose Institute may at his discretion reduce the amount of compensation and his decision in writing shall be final provide always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent on the estimated cost of the works as shown in the tender.
2. The employer may without prejudice to his right against the contractor in respect of any delay or inferior workmanship or otherwise or to any claims or damage in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in the following cases: -
  - (i) If the contractor having been given by the Engineer-in-charge a notice in writing to rectify reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or un-workman –like manner shall omit to comply with the requirement of such notice for a period of 7 day thereafter or if the contractor shall delay or suspend the execution of the work so that either in the judgment of the employer (which shall be final and binding) he will be unable to secure completion of the work by the date of completion or he has already failed to complete the work by that date.
  - (ii) If the contractor commits breach of the terms and conditions of this contract.
3. When the contractor has made himself liable for action under (2) above the employer shall have power: -
  - (a) To determine or rescind the contract as aforesaid (of which termination or recession notice in writing to the contractor by the Institute shall be conclusive evidence). Upon such determination or rescission the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of the Institute, and
  - (b) After giving notice to the contractor to measure up the work of the contractor and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor if, the whole work had been executed by him (of the amount of which excess the certificate in writing of the Engineer-in-charge shall be final and conclusive) be deducted from any money due to him by the Institute under this contract.

In the event of above course being adopted by the institute the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of contract. And in case action is taken as aforesaid, the -

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Contractor shall not be entitled to recover or be paid any sum for any work there to or actually performed under this contract unless and until the Engineer-in-charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value as certified.

4. If the contractor shall beside extension of time of completion of the work on the ground of his having been unavoidably hindered in its execution or on any other ground, he shall apply in writing to the Director, Bose institute within thirty days of the date of hindrance on account of which he desires such extension, the director shall if in his opinion (which shall be final) grounds are reasonable authorize such extension of time if any as may in his opinion be necessary and proper, without however involving any escalation of cost or compensation thereof.
5. Within one week of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within 10 days of the receipt of such notice the Engineer –in-Charge shall inspect the work and if there is no defect in the work shall furnish the contractor with a certificate of completion, otherwise a provisional certificate and/or (b) for which payment will be made at reduced rates, shall be issued but no certificate of completion, provisional or otherwise shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed, where all scaffoldings, surplus materials, rubbish and all huts and sanitary arrangements required for his work people on the site in connection with the execution of the works as shall have erected for constructed by the contractor and cleaned off the dirt from all wood work, doors, windows, walls, floors or other parts of any building, in upon or about which the work is to be executed or of which he may have had possession for the execution thereof and not until the measurements of the work certified by the Engineer-in-Charge. If the contractor shall fail to comply with requirements of this clause on or before the date fixed for the completion of the contractor remove such scaffolding surplus materials rubbish etc. and dispose of the same as he thinks fit and the contractor shall have no claim in respect of any such scaffoldings or surplus, materials as aforesaid except for any sum actually realized by the sale thereof.
6. A bill shall be submitted by the contractor, duly supported by detailed measurements, which will be certified by the Engineer-in-charge.
7. All intermediate payment shall be regarded as payments by way of advance against the final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim not shall it conclude, determine, of affect in any way the powers of the Institute under these conditions or any of them as to the final settlement and adjustment of the accounts or in any other way very or affect the contract.
8. The final bill shall be submitted by the contractor with in one month of the date of completion of the work or of the date of certificate of completion furnished by the Engineer-in-Charge and payment shall be made within 6 (Six) weeks of the date of certificate of completion furnished by the Engineer-in-Charge.
9. The contractor shall provide all materials and labour of every description except the materials shown in the attached schedule which will be supplied by the Institute at the rates mentioned therein and all tools, plants and transport necessary for the proper carrying on execution and completion of the work to the satisfaction of the Institution.
10. For materials supplied by the Institute to the contractor, the cost thereof will be progressively deducted from the contractor's bill in accordance with the quantities consumed in the work and item or items relating to these being included in the bill.

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11. All materials supplied to the contractor by the Institute shall remain the absolute property of the Institute, and shall not be removed on any account from, the site of the work land shall be at all times open to inspection by the Engineer –in-Charge.
12. The Contractor shall treat all materials obtained during dismantling a structure, excavation of the site for a work etc. as Institute's property and such materials shall be disposed of to the best advantage of the institute according to instruction issued in writing by the Registrar.
13. The Contractor shall give at least seven days notice in writing to the Engineer-in-Charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof recorded before the same is covered up or placed beyond the reach of measurement, and shall not cover up and place beyond the reach of measurement any work without the written consent of the Engineer-in-Charge. If any such work shall be covered up or placed beyond the reach of measurement without such notice and the Engineer-in charge's consent the same shall be uncovered at the contractor's expenses, or in default thereof no payment or allowances shall be made for such work or the materials with which the same laws executed.
14. The Engineer-in-Charge shall have power to make any alterations in omissions from additions to or substitution for the original specification, drawings, designs and instructions that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any such instruction given to him, in writing by the Engineer –in-Charge. Such alterations, omissions, additions or substitutions will not invalidate the contract and shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work. The rates for such additional, altered or substituted work under this claim shall be priced at the contract rates and for any such work which does not exactly agree with the description in the tender the contractor within seven days of receipt of the order to carry out such work inform the Engineer-in-Charge of the rate which it is his intention to charge, supported by analysis of the rate claimed and the Engineer-in-Charge, shall determine the rate on the basis of prevailing work market rates and pay the contractor accordingly.
15. The tender rates for the work shall be taken to be firm. The contractor shall not be entitled to any price variation or escalation of materials and labour on any account whatsoever.
16. The contractor shall not sublet or assign any portion of the work to others without written consent of the Institute.
17. The contractor shall, on the request of the Engineer-in-Charge immediately remove from the works any person employed there on by him, who may, in the opinion of the Engineer-in-Charge, be incompetent or misconducts himself.
18. The contractor shall, during the course of execution, be responsible for all damage to property and for any injury or loss caused to the work or workmen, to persons, animals, or things and also for any damage caused by fire, burglary, theft, earthquake, civil connection and other extraneous causes, He shall effect any insurance necessary and indemnify the Institute against any damage to any building, road, road curb, fence, enclosure, water pipe, cable drains, electric or telephone post or lines, trees, grassland or cultivated ground, contiguous to the premises on which the work on any part of it is being executed.
19. The security deposit, mentioned in clause 1 of this contract, shall not be refunded after the expiry of 6 (Six) months after the issue of the certificate, final or otherwise, of completion of work.

20. The contractor will remain responsible for any defect arising out of defective or improper materials or workmanship in the work for a period of six months from the date of issue of final certificate by the Engineer-in-Charge to contractor shall make the same good at his own expense or in default the Engineer-in-Charge may cause the same to be made good by other workman and deduct the expense from any sum that may be there or at any time thereafter may become due to the contractor or from security deposit.
21. The contractor will have to confirm to the provisions of all local bye-laws acts relating to work and to the regulations and bye-laws etc. of the Govt. and local authorities and of any company with whose system the installations are proposed to be connected.
22. The contractor shall set out the work to the satisfaction of the Engineer-in-Charge and amount at his own cost to the satisfaction of the Engineer-in-Charge any errors which may arise through inaccurate setting out and in proper execution of the work.
23. The contractor shall keep a competent, responsible and approved foreman on the works, who shall be available at all times at the site of work and who will be responsible for carrying out the true meaning of the drawings and specifications schedule of quantities and any direction and instruction given to in writing by the Engineer-in-Charge.
24. The contractor shall make his own arrangements for storage for tools, materials etc. including accommodation for their labours. The Institute, if possible, will provide space for storage of tools and materials free of charge. The Institute, however, does not guarantee providing such space and if it is not possible to provide such space, the contractor will have to make his own arrange at his own cost. No space will be provide in the Institute area for accommodation of labour and the contractor will have to make his own arrangement at his own cost.
25. Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings, and instructions herein before mentioned and as to the quality of workmanship or materials used on the works or as to any other question, claim, right matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same weather arising during the progress of the work or after the completion or abandonment thereof shall be referred to the sole arbitration of the person appointed by the Director, Bose Institute. The arbitrator to whom the matter is originally referred being unable to act for any reason, the said director shall appoint another person to act as arbitrator in accordance with the terms of the contract. Such person shall be entitled to proceed with reference from the stage at which it was left by his predecessor.
26. The contractor will remain responsible for the safety and security of his own materials procured/ stacked at site for execution of works. Institute will not be responsible for any loss or theft. No complain will be entertain in this respect.
27. The contractor have to execute agreement with Bose Institute in a non judicial stamp paper of Rs 100/- within 07 (seven) days after receiving the work order cost of stamp paper will be borne by the contractor himself.

It is also a term of the contract that if the contractor does not make any demand for arbitration in respect of any claim in writing within 60 (Sixty) days of receiving information from the Institute that the final bill is ready for payment, the claim of the contractor will be deemed to have been waive and absolutely barred and the Institute shall be discharged and released of all liabilities under the contractor in respect of these claims.



**BOSE INSTITUTE  
KOLKATA**

**Schedule for Construction of 5mtr. wide peripheral service road in connection with proposed Animal House at Madhyamgram Experimental Farm.**

SL No	Description	Qty	Unit	Rate Rs	Amount Rs.
1.	Ordinary cement concrete (1:1 <sup>1</sup> / <sub>2</sub> : 3) work using course and graded stone chips but excluding the cost of shuttering.	20	Cum		
2.	Reinforcement work for R.C.C. using M.S. /T.S. bars including cutting bending etc. complete as per design and drawing in all place level. (TATA / SAIL make).	600	Kg		
3.	Brick work with 1 <sup>st</sup> class bricks in cement mortar(6:1)	20	Cum		
4.	Shuttering work for C.C. /R.C.C. in all places/level using hard wood planks with necessary propping bracing etc. complete.	180	Sqm		
5.	Surface dressing of the ground in any kind of soil removing vegetation in equalities not exceeding 15cm depth & disposal of rubbish within a radius within a radius of 75m Rolling the sub-grade by power roller including cutting or filling earth as necessary, spreading the spoils properly over the flank/slope/berm to approximate grade and camber, including uprooting and removing plants and jungles when and where necessary as.	5472	Sqm		
6.	Earthwork in filling with layers for preparing sub grade not exceeding 150mm including watering and ramming etc. layer by layer with carrying from 3km but not exceeding 5km-600mm deep, using 8-10TR vibration roller including Construction of Embankment, sub grade, shoulder etc. with approved earth obtained from borrow pits with a lift up to 1.5m, transporting to site, throwing the same in not more than 25cm (loose) thick layers and compaction by power rollers each layer of..	1500	Cum		

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<u>SL No</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Rate</u>	<u>Amount</u>
7.	Filling in foundation by sliver sand in layer not exceeding 150mm & consolidation of same by through saturation with water, ramming complete including supply of sand 200mm deep.	850	Cum		
8.	Single brick flat soiling of picked jhama khowa bricks including ramming & dressing bed to proper level & filling of joints with local sand.	3940	Sqm		
9.	Supplying and laying of brick khowa of ordinary bats size (38mm & 63mm) of approved quality in 100mm layer (compacted) filling in gaps with small rammed & compacted as by power roller etc complete.	3940	Sqm		
10.	Providing and laying water bound macadam 100 thick, (Consolidated) with stone metal size 63-45mm (Rejection) including screening of materials for thickness 13.2 & 10mm all complete.	480	Cum		
11.	Providing and laying 50mm. Thick bituminous macadam using 20mm. Down crushed stone aggregates premixed with bituminous binder and filler transporting the hot mix to work site complete as per specification and direction of Engineer - In - Charge.	4200	Sqm		
12	2 cm premix carpet surfacing with 1.8 cum and 0.90. cum of stone chipping of 13.2 mm size and 11.2 mm size respectively per 100 Sqm and 52 kg and 56 kg of hot bitumen per cum stone chipping of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 06 to 09 tone capacity etc. complete (tack coat to be paid for separately). (a) With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt.	4200	Sqm		

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<b>SL No</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
13.	Providing & laying 6mm thick seal coat of premixed fine aggregate (passing 2.36mm and retained on 180 micron seven) with bitumen using 128kg of bitumen of grade VG-10 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	4200	Sqm		
13.	Providing and laying kerb stone (m - 20 grade) and as directed by Engineer -In -Charge complete.	115	Cum		
14.	Cement concrete with graded Jhama Khoa (40 mm size) excluding shuttering (a) 1:3:6 (in ground floor)	08	Cum		
15.	Providing and laying non - pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete. (a) 900 mm dia R.C.C. pipe	10	M		

**Note:**

- 1) *Stone chips should be of Pakur variety.*
- 2) *Reinforcement TATA / SAIL make.*
- 3) *Brick 1<sup>st</sup> Class.*
- 4) *Cement - Ultratech / Ambuja / Lafarge / ACC / Birla*
- 5) *Agency must be provide all the requisite test report of materials & their work during the work as well as after completion of the work.*