

S.N.Bose National Centre for Basic Sciences
Block-JD, Sector-III, Salt Lake, Kolkata-700098

Web Site Publication

03/NIT/SNB/Campus Road/Phase-II/12-13

Dated: 12.07.2012

Sealed tenders on item rate basis are invited by the Registrar on behalf of SNBNCBS in two bids i.e. Cover-I (Technical Bid), Cover-II (Price Bid) from reputed, resourceful and bonafide contractors for the work “**Repairing existing Campus Road and construction of WBM road i/c premix carpet surfacing, manholes, gully pits and providing and laying of NP-2 pipes for drainage and their connections etc. complete at SNBNCBS, Salt Lake, Kolkata-98 (Phase-II)**”.

1. The Bidder/firms should have at least 5 (five) years experience, having successfully completed works of similar nature, having registered with CPWD/BSNL/PWD/PSU/MES/Railways and value of work, as indicated below, during last 3 (three) years ending last day of month previous to the one for which applications are invited.

- (A) 3 (three) similar completed work costing not less than Rs. 5,00,000/-each
- or**
- (B) 2 (two) similar completed work costing not less than Rs. 7,50,000/- lakh each
- or**
- (C) 1 (one) similar completed work costing not less than Rs. 10,00,000/-lakh each

2. Average annual turnover during last 3 (three) years ending 31.03.2011 should not be less than Rs. 5 (five) lakh.

3. Intending bidder should possess (proofs to be submitted)

- a) Income Tax Pan No.
- b) Trade License Certificate
- c) Certificate relating to empanelment/registration with CPWD/ BSNL/PWD/PSU/MES/Railways.

4. Following particulars are to be submitted along with their applications.

- (a) Name of the Organization
- (b) Complete Communication Address
- (c) Year of Establishment
- (d) Status of the Organization (Company/Firm/Agency/Proprietary)
- (e) Detailed description and value of the work done during the last 3 years with copy of work order.

5. Tender will have to be submitted in two parts, Cover –I (Technical Bid) & Cover – II (Price Bid) separately sealed and superscribed with the name of work. These two covers will be inserted into a big cover and to be sealed superscribing the name of work and shall be addressed at the following address: **To The Registrar, S.N.Bose National Centre for Basic Sciences, Block-JD, Sector-III, Salt Lake, Kolkata-700098.**

6. **Cover-I** : shall contain all documentary proofs as stated above from Sl. No. 1 to 4 and the Earnest Money Rs. 25,000.00 to be made as crossed Demand Draft from any

nationalized bank to be drawn in favour of “Satyendra Nath Bose National Centre for Basic Sciences, payable at Kolkata”.

Cover -II: It shall contain the offered price with the tender documents duly filled in properly both in figure and in words and to be summed up at the end total amount. No other conditions to be stipulated other than unconditional general rebate which shall be accepted.

7. **Cover-I** will be opened on 27.07.2012 at 3.30 pm in presence of Tenderers who desire to attend. Cover-II of tenders containing the priced tenders will be opened on 03.08.2012 at 3.30 p.m. only of qualified bidders from Cover-I who will be intimated either on phone or by letter.

No queries from any of the bidders will be entertained.

8. Competent Authority of the Centre is not bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders received without assigning any reason whatsoever. The notifications of award of contract will be made in writing to the successful tenderer by the Centre.

9. Salient features of the given tender:-

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|--|-----------------------------|
| (a) Estimated cost put to tender | : Rs. 12,50,000.00 |
| (b) Earnest Money | : Rs. 25,000.00 |
| (c) Last date & time of submission of tender | : Before 3 PM on 27.07.2012 |
| (d) Time & date of opening of tender | : |
| (i) Cover-I | : 27.07.2012 at 3.30 P.M |
| (ii) Cover-II | : 03.08.2012 at 3.30 P.M |
| (e) Time of completion | : Four (04) months. |

Registrar

General Conditions of Contract

Except where-provided for in the description of individual items in the Schedule of Quantities and in the specification and conditions laid down herein after and in the drawings, the work shall be carried out as per standard CPWD specifications and under the direction of the Engineer-in-charge of the Centre.

A. Interpretation:

In construing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires:

- i) **The Centre:** The term Centre shall denote Satyendra Nath Bose National Centre for Basic Sciences, Block –JD, Sector-III, Salt Lake, Kolkata-700098 or any of its employees /representatives authorised on their behalf.
- ii) **Site Engineer:** The term Site Engineer shall mean the person/s appointed and paid by the Centre to superintend the work.
- iii) **The Contractor:** The Contractor shall mean the individual or individuals, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
- iv) **Site:** The site shall mean the site where the works are to be executed in the campus as shown in the drawing.
- v) **Drawing:** The work is to be carried out in accordance with drawing, CPWD specifications, the schedule of quantities and any further drawings, instructions etc. which may be given by the Engineer-in- charge on behalf of Centre during execution of the work.

In case any detailed drawings are necessary contractor shall prepare such detailed drawings and have it confirmed by the Centre prior to taking up such work.
- vi) **The Work:** The Work shall mean the work or works to be executed under this contract.
- vii) **The Schedule of Quantities:** ‘The Schedule of Quantities’ shall mean the schedule of quantities as specified and forming part of this contract.
- viii) **“Price Schedule of Quantities”** shall mean the schedule of quantities duly priced with the accepted quoted rates of the contractor.
- ix) **The Centre:** The **Centre** shall mean Satyendra Nath Bose National Centre for Basic Sciences with its premises located at Block-JD, Sector-III, Salt Lake, Kolkata-700098 and shall include its authorized representatives, successors and assignees.
- x) The **Bid/Tender** shall mean the proposal /offer along with the supporting documents, submitted by the bidder for consideration by the Centre.
- xi) The **Bid/Tender document** shall mean the documents issued by the Centre to prospective bidders, containing various terms and conditions, scope of work, any requirements etc. or generally laid and in various section spelling out the basis, procedure, modes, methods and formalities of the bidder to prepare their BIDs for submission to the Centre. The BID

documents shall include the invitation to BID, instructions, proposal forms and all addenda/corrigenda/amendments issued by the Centre.

- xii) The letter of acceptance of BID shall mean an official invitation from the Centre to successful bidder to the effect that his/their BID has been accepted in accordance with the provisions contained therein.
- xiii) The expression works or work shall, unless there be something either in the subject or context repugnant to construction, be constructed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
- xiv) The **Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the Competent Authority of the Centre and the contractor, together with the documents referred to therein including these conditions, the specification, designs, drawings and instructions issued from time to time by the Engineer-in-charge and all these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- xv) The **Month** shall mean the calendar month according to the Christian calendar. **Day** unless herein expressly defined otherwise shall mean Christian calendar day of 24 hours.

B. Scope: The work consists of repairing of existing campus road where necessary. A small stretch by the side of Security Block near Pump House shall be constructed as Water Bound Macadam Road after observing all necessary specification as laid down in CPWD specifications as well as nomenclature of the item.

Before starting the work few defined points shall be shown by the Engineer-in-charge to operate the item: providing /laying of 250 mm dia NP2 pipes across the proposed bituminous road.

Further, 300 mm dia NP2 pipes will be laid parallel to the edge of road allowing required (as per specification) slope in direction of sub-station building from a crown point (to be determined by the contractor at site) and another slope towards Krishnachura Building. A drawing shall be prepared showing existing locations of gully pits and proposed gully pits with their invert levels and both the direction of the slope of NP2 pipes.

Full required quantities of materials such as 63 mm to 45 mm size stone aggregate, over burnt (jhama) brick aggregate 90 mm to 45 mm, stone screening 13.2 mm (type-A) and 11.2 mm (type-B) nominal size, bricks for Brick Flat soling, straight run bitumen of penetration value 80/100 (i.e. grade 80/100) conforming to I.S.: 73 for carpeting as well as tack coat, chisel dressed kerb stone and channel stones of required sizes, moorum etc. and any materials pertaining to this work shall be brought at site in well advance of starting of work and shall be shown each of its samples to Engineer-in-charge for approval.

All such materials shall be of approved make and shall be measured jointly before consumption in the work.

The hot-mix plant of appropriate capacity and its allied parts/ arrangements shall be used for the preparation of mix materials.

The temperature of the binder at the time of mixing in the range of 150 ° C to 163° C and that of aggregate 155 ° C to 163° C.

The application of the bitumen should be done uniformly on the prepared surface parallel to the centre line of the road.

The surface regularity shall be tested with template and straight edge, maintaining proper permissible slope to camber of the road surface to drain out, surface water to gully pits and longitudinal profile also to be seen within its permissible undulation.

The edges to be well defined by the cord line (wire or twine) on pegs in position. All procedure of progressing work shall be followed as per CPWD specification of latest edition.

To protect electrical cables, during laying of NP2 pipes, necessary safety arrangements, shall be made by the contractor at his own cost.

Registrar

C. TERMS AND CONDITIONS

1. A) Earnest Money Deposit:

Earnest Money Deposit (EMD) of **Rs. 25,000.00** (Rupees twenty five thousand only) is required to be submitted by Demand Draft/ Bankers Cheque by the Tenderer with the tender. The Demand Draft/Bankers Cheque must be issued in favour of 'S N Bose National Centre for Basic Sciences', payable at Kolkata. EMD deposited by the unsuccessful tenders will be refunded by way of handing over the original Demand Draft/ Bankers Cheque duly endorsed by the Competent Authority of the Centre. The Earnest Money of the Successful Tenderer will be adjusted against the Security Deposit to be recovered from the running account bills. Under any circumstances, SNBNCBS will not be liable to pay any interest on the EMD.

B) Forfeiture of EMD:

EMD of a tenderer will be forfeited, if the tenderer withdraws or amends its tender or derogates from the tender in any respect within the period of validity of its tender. Further, if the successful tenderer fails to furnish the required performance security within the specified period, its EMD will be forfeited.

2. Security Deposit:

The Security Deposit shall be collected by deduction from each Running Bill of the contractor @ 5 % of the Gross Amount of the bill, till the sum along with sum already deposited as earnest money amounts to security deposit @ 5 % of tender amount of work.

3. A) Performance Guarantee:

The successful tenderer shall deposit an amount equal to 5 % of tendered and accepted value of the work as performance guarantee as Demand Draft/ Bankers Cheque from a scheduled bank in favour of 'S N Bose National Centre for Basic Sciences', payable at Kolkata, which shall be refunded without interest after defect liability period of 01 (one year) from the date of satisfactory completion of work provided the contractor has satisfactory carried out all work and attended to all defects in accordance with the terms & conditions, specifications and items of the work.

B) Forfeiture of Performance Guarantee:

Performance Guarantee is to be forfeited and credited to the Centre in the event of a breach of contract.

4. A) Validity period of Tender: The tenderer shall note that his tender shall remain open for consideration for a period of 120 days from the date of opening of the tender.

B) Refund of Security Deposit:

Security deposit may be refunded without interest after satisfactory completion of work.

5. Removal of improper Work:

The Centre shall, during the progress of the work, have power to order in writing from time to time the removal from the work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Centre are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanships not in accordance with the drawings and specifications or instructions. In case the contractor refuses to comply with the order the Centre shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Centre shall be borne by the contractor or may be deducted from any money due to or that may become due to the contractor. No certificate which may be given by the Centre shall relieve the contractor from his liability of unsound work or bad materials.

6. Termination of Contract:

If the contractor being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the contractor in insolvency, shall repudiate the contract, or if a Receiver of the contractor's firm appointed by the court shall be unable within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the Centre that he is able to carry out and fulfil the contract, and if so required by the Centre to give reasonable security therefore, or if the contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors' of the contractor, or shall assign, charge or encumber this contract or any payments due or which may' become due to the contractor, thereunder, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the contractor within three clear days after the notice shall have been given to the contractor in manner hereinafter mentioned requiring the contractor to observe or perform 'the same or shall use improper materials or workmanship in carrying on the works, or shall in the opinion of the Centre not exercise such diligence and make such due progress as would enable the work to be completed within due time agreed upon and shall fail to proceed to the satisfaction of the Centre after three clear days notice requiring the contractor so to do shall have been given to the contractor as hereinafter mentioned, or shall abandon the contract, then and in any of the said cases, the, Centre may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby affecting the powers of the Centre of the obligations and liabilities of the contractor the whole of which shall continue in force as fully as if the contract, had not been so determined and as if the works subsequently

executed had been executed by or on behalf of the contractor (without thereby creating any trust in favour of the contractor) further the Centre or his agent, or servants, may enter upon and take possession of the work and all plants, tools, scaffoldings, sheds, machinery, steam and other power, utensils and materials lying upon premises or the adjoining lands or on roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other contractors or other persons' or person to complete the works, and the contractor shall not in any way interrupt or do any act, matter or things to prevent or 'hinder such other contractors' or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be, the Centre shall give notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within a period of 14 days after receipt by him the Centre may sell the same by Public Auction and shall give credit to the contractor for the amount so realised. Any expenses or losses incurred by the Centre in getting the works carried out by other contractors shall be adjusted against the amount payable to the contractor by way of selling his tools and plants or due on account of work carried out by the contractor prior to engaging other contractors or against the Security Deposit.

7. Payment :

Payment either R/A bill or Final will be made after satisfactory execution of the work and after verification/ certification of bill by the Engineering Section of the Centre, the same bill will be forwarded to Accounts Section for payment subject to scrutiny by the authority of the Accounts Section.

8. Clearing site on completion:

On completion of the works the contractor shall clear away and remove, from the site, all constructional plant, surplus materials and rubbish to the satisfaction of the Centre.

9. Income Tax/ Sales Tax on Works Contract:

The Statutory deduction of income tax / sales Tax as applicable on works contract will be deducted from all interim and final payment to the contractor.

10. Brief Specification:

All items of road work shall be executed based on CPWD specifications including grading requirement of course aggregate (Table -17.2) grading and temperature of bitumen (Table -17.7), grading requirement of screening (Table -17.9), quantities of materials (Table -17.13, Table – 17.16) and other relevant activities as per CPWD specification.

11. Royalties & Patents:

The contractor shall pay all royalties and licence fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Centre harmless from loss on account thereof.

12. Superintendence Supervision:

The Contractor shall give all necessary personal Superintendence during the execution of the work and this obligation and liability will continue until expiration of the 'Maintenance Period' (Retention Period). The contractor shall also during the whole time of work when in progress employ a competent representative who shall be constantly in attention at the site while his men are at work. Any directions, explanations, instructions or notices given by the Centre to such representative shall be deemed to have been given and duly served on the contractor.

13. Failure by Contractors to Comply With Centre's Instructions:

If the contractor after receipt of written notice or verbal order from the Centre and requiring compliance within ten days fails to comply with such further drawings and/or Centre's instructions, the Centre may employ other person to execute any such work whatsoever that may be necessary to give effect thereto and pay all cost incurred in connection therewith and same shall be recoverable from the contractor by the Centre as a debt or shall have, right to deduct same from any money due or to become due to the contractor.

14. Tenderer Shall Visit The Site :

Intending tenderer shall visit the site and make himself thoroughly acquainted with the local site condition, nature and requirements of the works, facilities of transport condition, effective labour and materials, access and storage for materials and removal of rubbish. The tenderer shall provide in their tender for cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc for proper execution of work as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Centre might be deemed to have reasonably been inferred to be so existing before commencement of work.

15. Tenders

The entire set of tender documents may be available at Centre's website: www.bose.res.in. The tenderer shall sign on the last page together with initials on every page. Initial/signature will indicate the acceptance of the tender papers by the tenderer.

The schedule of quantities shall be filled in as follows:

- i) The 'Rate' column to be legibly filled in ink in both English figures and English words
- ii) Amount column to be filled in for each item and the amount as detailed in the "Schedule of Quantities"

iii) All corrections are to be initialised.

iv) In case of any errors/omissions in the quoted rates, the rates given in the tender marked "Original" shall be taken as correct rates.

No modifications, writings or corrections can be made in the tender papers by the tenderer, but may at his option offer his comments or modifications in a separate sheet of paper attached to the original tender papers.

The Centre reserves the right to reject the lowest or any tender and also to discharge any or all the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.

The tenderers should note that the tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. If called upon by the Centre detailed analysis of any or all the rates shall be submitted. The Centre shall not be bound to recognise the contractor's analysis.

The works will be paid for as "measured work" on the basis of actual work done.

All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of any item of works, the payment of such items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Centre.

The Centre has power to add or to omit from any work as shown in drawings or described in specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorisation from the Centre. No variation shall vitiate the contract.

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16. Schedule for Completion of Work:

The contractor shall submit a time and progress chart in a form approved by the Centre within fifteen days from the date of issue of work order or the date on which the contractor is instructed to take possession of the site, whichever is later.

The contractors shall have to put all their resources and endeavour to complete the assigned road if possible, earlier than the schedule time shown in the programme. Keeping the general target dates as given in time & progress chart of the tender. This network programme shall clearly indicate the completion of Project.

17. A) Co-Operation :

The contractor will be required to consult and co-operate with other contractors whose work may be affected by the work under this contract.

B) Ethics:

The Contractor shall observe the highest standard of ethics and integrity during the procurement and execution of contract.

18. Treasure Trove etc.:

Any treasure trove, coin or object antique which maybe found on the site shall be the property of the Centre and shall, be handed over to the Centre.

19. A) Permits and Licences:

Permits and licences for release of materials which are under Government control will be arranged by the contractor. The Centre will render necessary assistance, sign any forms or applications that may be necessary.

B) Insurance:

All risk insurance of works to be borne by the Contractor.

20. Government and Local Rules :

The contractor shall conform to the provisions of all local Bye-laws and Acts relating to the work and to the Regulations etc of the Government and Local Authorities and of any company with whose system the structure is proposed to be connected The contractor shall give all notices required by said Act, Rules, Regulations and Bye- laws etc and pay all fees payable to such authority/authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities for licences etc. and shall indemnify the Centre against such liabilities and shall defend all actions arising from such claims or liabilities.

21. A) Taxes and Duties:

The tenderers must include in their tender prices quoted for all duties royalties, cess and VAT or any other taxes or local charges if applicable. The rates shall also include sales tax on works contract as per State Government norms

No extra claim on this account will in any case be entertained.

B) Currency:

All payments shall be made in Indian currency.

22. Possession Prior to Completion:

The Centre shall have the right to take possession of or use any completed or partially completed part of the work. Such possession or use shall not be an acceptance of any work not completed in accordance with the contract Agreement.

23. Excepted Matters:

If the dispute or differences pertain to the under noted matters the decision in writing of the Officer designated in and signing the contract documents shall be final, conclusive and binding on the parties.

- i) Instructions.
- ii) Transactions with Local Authorities.
- iii) Proof of quality of materials.
- iv) Assigning or underletting of the contract.
- v) Certificate as to the causes of delay on the part of the contractor and justifying extension of time.
- vi) Rectifying of defects pointed out during the Defects Liability Period.
- vii) Notice to the contractor to the effect that he is not proceeding with due diligence.
- viii) Certificate that the contractor has abandoned the contract.
- ix) Notice of determination of the contract by the Employer.

24. A) Quantity of Work to be executed:

The quantities shown in the Schedule of Quantities are tentative to cover the entire new structure indicated in the drawings but same may vary on the basis of actual requirement at site. As such no claim on this ground will be entertained by the Centre. The Centre reserves the right to execute only a part or the whole or any excess of the work thereof without assigning any reason thereof.

B) Sub Contract:

Sub-contract will not be allowed in part or in whole under any circumstances.

25. Other Persons Engaged by the Centre:

The Centre reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by other Agency or persons and contractor shall allow all reasonable facilities and use of his scaffolding for the execution of such work. The main contractor shall extend all cooperation in this regard.

26. Labour & Payment of Wages to Labour:

No labour below the age of 14 years shall be employed on the work.

Payment of Wages to Labour

- a) The contractor shall pay to labour employed by him either directly or through specialised firms, wages not less than fair wages as applicable within the State of West Bengal or as per the provision of the Contract Labour (Regulation and Abolition) Act, 1970 and the Contract Labour (Regulation and Abolition) Central Rules 1971 wherever applicable.

27. Contractor to Provide Everything Necessary:

The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the contractor finds any discrepancies therein he shall immediately and in writing, refer the same to the Centre whose decision shall be final and binding. The contractor shall provide himself for ground and fresh water for carrying out of the works at his own cost. The Centre shall on no account be responsible for the expenses incurred by the contractor for hired ground or fresh water obtained from elsewhere.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of 'the contract, and beyond the unit price no extra payment will' be allowed for incidental or contingent work, labour and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in the tender documents.

The contractor shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machineries and equipments and all the necessary centering, scaffolding, staging, planking, timbering, strutting, shoring, pumping, fencing, boarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the said work but also for the protection of the erection, matters and things and the contractor shall take down and remove any or all such centering, scaffolding, planking, timbering, strutting, shoring etc as occasion shall be required or when ordered so to do and shall fully reinstate and make good all matters and things disturbed during the execution of works to the satisfaction of the Centre.

The contractor shall also provide such temporary, road on the site as may be necessary for the proper performance of the contract and for his own convenience but not otherwise. Upon completion, such roads shall be broken up and levelled where so required by the drawings unless the Centre shall otherwise direct.

The contractor shall at all times give access to workers employed by the Centre or any men employed on the buildings and to provide such parties with proper sufficient water and lighting and leave or make any holes, grooves etc in any work, where directed by the Centre as may be required to enable such workmen to lay or fix pipes, electrical wiring, special fittings etc. The quoted rates of the tenderers shall accordingly include all these above mentioned contingent works.

28. Time of Completion, Extension of Time & Progress Chart:

1. Time of Completion: The entire work is to be completed in all respects within the stipulated period. The work shall be deemed, to be commenced within fourteen days from the date of acceptance letter or date of handing over of site, whichever is later. Time is the essence of the contract and shall be strictly observed by the contractor.

The work shall not be considered as complete until the Centre have certified in writing that this has been completed and the Defects Liability Period shall commence from the date of such certificate.

2. Extension of Time: If in the opinion of the Centre the works be delayed (a) by reason of any exceptionally inclement weather, or (b) by reason of instructions from the Centre in consequence of proceedings taken or threatened by or disputes, with adjoining or neighbouring Centres or (c) by the works, or delay of other contractors tradesmen engaged or nominated by the Centre and not referred to in the specification or (d) by reason of authorized extra and additions or (e) by reason of any combination of workmen or strikes or lock-out affecting any of the building or trades or (f) from other causes which the Centre may consider are beyond the control of the contractor, the Centre at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect therefore. In the event of the Centre failing to give possession of the site upon the day specified above the time completion shall be extended suitably.

In case of such strikes or lockouts, as are referred to above, the contractor shall immediately give the Centre, written notice thereof. Nevertheless, the contractor shall use his best endeavours to prevent delay and shall do all that may be reasonably required, to the satisfaction of the Centre to proceed with the works and on his doing that it will be ground of consideration by the Centre for an extension of time as above provided. The decision of the Centre as to the period to be allowed for an extension of time for completion hereunder (which decision shall be final and binding on the contractor) shall be promulgated at the conclusion of such strike or lock-out and the Centre shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause 39 with respect to payment of liquidated damages shall, in such case, be read and construed as if the extended date fixed the Centre were substituted for and the damage shall be deducted accordingly.

3. Progress of Work: During the period of construction the contractor shall maintain proportionate progress on the basis of a Programme Chart submitted by the contractor immediately before commencement of work and agreed to by the Centre. Contractor should also include planning for procurement of scarce material well advance and reflect the same in the Programme Chart so that there is no delay completion of the project.

29. Tools, Storage of Materials, Protective Works And Site Office Requirements:

The contractor shall provide, fix up and maintain in an approved position proper office accommodation for the contractor's representative and staff which offices shall be open at all

reasonable hours to receive instruction notices or communications and clear away on completion of the works and make good all work disturbed.

The contractor shall provide at his own cost all artificial light required for the work and to enable other contractors and sub-contractors to complete the work within the specified time.

The contractor shall provide a suitable temporary hut for the watchmen and clear away the same when no longer required and to provide all necessary attendance, lights etc required.

The contractor shall arrange for temporary latrines for the use of workers and field staff and keep the same in a clean and sanitary condition to the satisfaction of the Public Health Authorities and shall cause such latrines and soil to be cleared away whenever necessary and shall make good all the works disturbed by these conveniences.

Every precaution shall be taken by the contractor to prevent the breeding of mosquitoes on the works during the construction, and all receptacles, cistern, water tanks etc used for the storage of water must be suitably protected against breeding, of mosquitoes. The contractor shall indemnify the Centre against any breach of rules in respect of anti-malarial measures.

The contractor shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed or upon any boarding gantry, building structures other than those approved by the Centre.

Protective Measures: The contractor from time to time of being placed in possession of the site must make suitable arrangements for watching, lighting and protecting the work, the site and surrounding property by day, by night, on Sundays and other holidays.

Contractor shall indemnify the Centre against any possible damage to the building, roads , or members of the public in course of execution of the work.

Contractor shall provide necessary temporary enclosures, gates, entrances etc for protection of the work and materials and for altering and adopting the same as may be required and removing on completion of the works and making good all works disturbed.

Storage of Materials: The contractor shall provide and maintain proper shed for the storage and adequate protection of materials etc and other work that may be executed on the site including the tools and materials of nominated sub-contractors and remove same on completion.

Cement godown shall be constructed for storing about six weeks requirement of cement and stored as per norms with a stack of 10 bags each and 2 feet opening all around 2 feet passage

of each stack. Structure shall be waterproof from all the sides and top. Cement should be stored one foot above of the ground level and have pucca raised floor.

So also reinforcement bars are to be stored above the ground level to prevent the same rusted.

30. Materials, Workmanship and Samples:

All the works specified and provided for in the specifications or which may be required to in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Centre during the execution of the work, and to his entire satisfaction.

The Contractor shall have to arrange water by boring tube well for Building work at his own cost.

Materials conform to the relevant I S. Standards or as specified in the specifications shall be supplied by the contractor for the execution of work at his own cost as directed by the Centre. The necessary charges for transporting etc, shall have to be borne by the contractor. No extra payment on this account should in any case be entertained. The contractor shall 'provide all assistance, instruments, machine labour and materials for examining measuring and testing of work and the quality, weight or quantity of any materials used and supply samples before incorporation in the work as may be selected and required by the Centre. All materials should be carried out as per latest' IS. specifications as advised by he Centre.

All the materials (except where otherwise described) stores and equipment required for the full performance of the work under the contract must be provided through normal' channels and must include charge for import duties, sales tax, octroi and other charges and must be the best of their kind available and the contractor/s must be entirely responsible for the proper and efficient carrying out 'of the work. The work must be done in the best workmanlike manner. Samples of all materials to be used must be submitted to the Centre when so directed, by the Centre and written approval from Centre must be obtained prior to placement of order.

During the inclement weather the contractor shall suspend concreting, plastering and bituminous carpeting for such time as the Centre may direct and shall protect from injury all work when in course of execution. Any damage (during constructions) to any part of the work for any reasons due to rain, storm, or neglect of contractor shall be rectified by the contractor in an approved manner at no extra cost.

Should the work be suspended by reason of rain, strike, lock-outs or any other cause, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damage arising from any of these causes.

The contractor shall cover up and protect from damage, from any cause, all new work and any other requisite protection for the execution of the work whether by himself or special tradesmen

or nominated sub-contractor and, any damage caused must be made good by the contractor at his own expenses.

31. Variation / Deviation:

The contractor may when authorised and shall, when directed in writing by the Centre and or omit, or vary the works shown in the drawings or described in the specifications or included in the priced schedule of 'quantities. The contractor on his own accord shall make no addition, omission or variation without such authorisation or direction. A verbal authorisation or direction by the Centre shall when confirmed correctly by the contractor in writing within 8 days shall be deemed to have been given in writing.

The contractor shall send to the Employer once in every month a statement giving particulars, as full and detailed as possible, of all claims for any additional payment to which the contractor may consider himself entitled and of all extra or additional work ordered by the Employer which he has executed during the preceeding month.

The rates for additional, altered, substituted work shall be arrived at in accordance with the following rules:

i) The net rates of prices in the contract schedule shall determine the valuation of (the rates for) the extra work (items) where such extra work is of similar character and is executed under similar conditions as the work priced therein.

ii) If the rates for the extra, altered or substituted (deviated) work are not provided for (available) in the contract schedule, they shall to the extent possible be derived out of rate given in that schedule for similar or near similar items the purpose of such deviation, where necessary and when so directed, the contractor shall furnish detailed analysis for the said similar or near similar items in the contract schedule. For such portions of the analysis for the extra, altered or substituted (deviated) work for which prices cannot be abstracted from the corresponding analysis of rates for the said similar or near similar items in the contract schedule, market rates substantiated by purchase bills/vouchers dependable printed price schedules of building materials of different types shall be adopted, using factors and constants for quantum of material, labour T & P and sundries from standard analysis of rates adopted by the National Building Organisation, Ministry of 'Works & Housing, Govt of India in preparation of D.S.R. 2007 and adding 15% towards profits and overheads. When called upon to do so the contractor shall submit the required purchase bill/vouchers.

iii) In the case of additional, altered or substituted (deviated) with for which rates cannot be reasonably be derived as at (i) and (ii) above, the rates shall be worked out adopting market prices, substantiated' by purchase bill/vouchers, using factors and constants for quantum of

materials, labour, T & P and sundries from standard 'analysis of rates adopted by the Delhi Schedule of Rates, 2007 and addition 15% towards profit and overheads. When called upon to do so the contractor shall submit his purchase bills/vouchers to the architects and employer.

iv) The tender rates will hold good for any increase and decrease in the tender quantities upto a variation of 25% except in the case of item below plinth level where the variation will be upto 100% For variation beyond the above limit rates for the respective items for quantity beyond the limits mentioned above may be worked out on market rates.

v) The question as to what particular items, being similar or near similar to the additional, altered or substituted (deviated) work in the contract schedule to be adopted for deviation of rates for the additional, altered or substituted (deviated) work and whether the said rates cannot be derived from similar or near similar items in the contract schedule will be decided by the Employer

vi) In case, the contractor is required to submit his analysis of rates adopting the principles enunciated above and the Centre, after scrutinizing the analysis and other papers furnished will allow such rates as he considers reasonable.

vii) Where extra work is of such a nature that it cannot be properly measured valued the contractor shall be allowed day work priced at the net rates stated the tender or the priced schedule of quantities or if not so stated then in accordance with the minimum local day work rates and wage for the district notified by the concerned authority.

32. Clearing Site on Completion:

On completion of the works the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Centre/Architects.

33. Defects after Completion:

The contractor shall make good at his own cost and to the satisfaction of the Centre all defects, shrinkage, settlements or other faults which may appear within 12 months after completion of the work. The Centre shall give the contractor a notice in writing about the defects and the contractor shall repair the defect in maximum of 07 (seven) days. In default, the Centre may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from him by the Centre or may be deducted by the Centre, in lieu of, such amending and making good by the contractor, deduct from any money due to the contractor a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient, recover that balance from the contractor from the amount

retained under Clause No 2. together with any expenses the Centre may have incurred in connection therewith.

34. Escalation:

The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any, granted) and will not be subject to any fluctuation due to increase in cost' of materials, labour, sales tax, octroi, etc.

35. Idle labour:

Whatever the reasons may be no claim for idle labour, additional establishment' cost of hire and labour charges of tools and plants would be entertained under any circumstances.

36. Suspension:

If the contractor except on account of any legal restraint upon the Centre preventing the continuance of the work or in the opinion of the Centre shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Centre shall have the power to give notice in writing to the contractor requiring the work be proceeded within a reasonable manner and with reasonable despatch, such notice purport to be a notice under this clause.

After such notice shall have been given the contractor shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with, if the contractor fails to start the work within 7 (seven) days after such notice has been given to proceed with the works as therein prescribed, the Centre may proceed as provided in Clause 37 (Termination of Contract by Centre).

37. Water Supply:

The rates quoted by the contractor shall include all expenditure for providing water for the full contract period required for the works, including that for the work people and all staff on the site. He may make his own arrangement for the supply of good quality water suitable for use in the works and the work people. He shall obtain municipal connection and all charges for' connection and consumption shall be borne by him. If municipal water is not available, or inadequate, he shall make other arrangements like sinking tubewells, or making bore-wells, or transport from outside by tanker, or any other suitable means entirely at his cost, and no separate payment for the same will be made.

38. Liquidated Damages:

Should the work be not completed to the satisfaction of the Centre within the stipulated period, the contractor shall be bound to pay to the Centre a sum calculated as given below by way of

liquidated damages and not as penalty during which the work remains uncommenced or unfinished after the expiry of the completion date.

- a) For contracts having stipulated time of completion not exceeding 6 (six months):
The Contractor should pay compensation for delay of work @ 1.5 % per month of delay to be computed on per day basis which shall not exceed 10 % of the tendered value of work.

39. Action When Whole Of Security Deposit Is Forfeited :

In any case in which under any clause or clauses of this contract, the contractor shall have rendered himself liable to pay liquidated damages amounting to the whole of his security deposit, the Centre shall have power to adopt any of the following courses.

a) To rescind the contract (of which rescission notice in writing to the contractor under hand of the Centre shall be conclusive evidence), and in which case the security deposit of the contractor shall stand forfeited and be absolutely at the disposal of the Centre.

b) To employ labour paid by the Centre and to supply materials to carry out the work, or any part of the work, debiting the contractor with the cost of the labour and price of material (of the amount of which cost and price of a certificate of the Centre shall be final and conclusive against the contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of this contract the certificate of Centre as to the value of the work done, shall be final and conclusive against the contractor;

c) 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 certificates in writing of the Centre shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by the Centre under the contract or otherwise, or from his security deposit or the proceeds of sale thereof, or a sufficient part thereof.

In the event of any of above courses being adopted by the Centre the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into, any engagements, or make any advances on account of, or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum or any work thereto for actually performed under this contract, unless,

and until the Centre will have 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 so certified.

40. Arbitration

Except as otherwise provided elsewhere in the contract, if any dispute, difference, question or disagreement or matter whatsoever, shall, before and after extended period, hereafter arises between the parties, as to the meaning, operation or effect of the contract or out or relating to the contract or breach thereof, shall be referred to sole Arbitrator to be appointed by the Director of the Centre at the time of dispute.

It is a term of the contract that the party invoking arbitration shall specify all disputes to be referred to arbitration at the time of invocation or arbitration under the clause.

It is a term of the contract that the cost of arbitration will be borne by the parties themselves equally.

The venue of arbitration shall be Kolkata.

Subject as aforesaid the provisions of the Arbitration and Conciliation Act 1996 and any statutory modification or re-enactment thereof rules make hereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

41. Labour Laws to be complied by the Contractor:

The contractor shall obtain a valid licence under the Contract Labour (R & A) Act 1970, and the Contract Labour (Regulation and Abolition) Central Rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the child labour (Prohibition and Regulation) Act, 1986. The contractor shall also comply with the provision of the building and other Construction Workers (Regulation of Employment and Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work. No labour below the age of fourteen years shall be employed on the work.

42. Departmental water supply, if available:

Water if available may be supplied to the contractor by the department subject to the following conditions:

- (i) The water charges @ 1% shall be recovered on gross amount of the work done.
- (ii) The contractor(s) shall make his/their own arrangement of water connection and laying of pipelines from existing main of source of supply.

- (iii) The Department do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor(s) to make alternative arrangements for water at his/their own cost in the event of any temporary breakdown in the Government water main so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.

43. Safety and Protection of work at site:

All trenches 1.2 m (4ft) or more in depth, shall at all times be supplied with at least one ladder for each 30m(100ft) in length or fraction thereof. Cutting shall be done from top to bottom. All roads and open areas adjacent to the work site shall either be closed or suitably protected. No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged. All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles. Those engaged in stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles. Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals. The area should be fabricated or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever clearing works are undertaken during night or day. No smoking or open flames shall be allowed near the blocked manhole being cleaned. The workers shall be provided with Gumboots or non sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers(when necessary). If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Engineer-in-Charge of the department or their representatives.

44. Declaration:

I/We have inspected the site of works and have made me/us fully acquainted with the local conditions in and around the sites of works. I/We hereby declare that I/We have gone through the Tender Notice and information to website publication, A) Definition or

interpretation of terms, B) Scope of Work and C) Terms and Conditions from Sl. No. 1 to 42 laid down in this Tender Documents which includes General Conditions of Contract, Technical Specifications, Scope of work and other relevant matters etc. and understood the same. On the basis of it, I/We quoted our rates in the schedule of quantities attached with the tender documents.

I/We shall also uniformly maintain such progress with the work, as may be directed by the Centre to ensure completion of same within the target date as mentioned in the tender documents.

Registrar

Witness

Signature of Tenderer

Address:

Date: