

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
AZAD HIND FAUJ MARG: SECTOR-3,
DWARKA, NEW DELHI-110078

No.: F. 201(1659)/MDC/08-09/E.cell/NSIT/

Dated: 21.10.2008

NOTICE INVITING TENDER

The Executive Engineer (C)/M invites on behalf of the BOG, NSIT sealed item rate tenders from the Manufacturers , Dealers & Distributors of R.O. Plant upto 3.00 PM on 03.11.2008 for the work **Name of work: AR & MO NSIT Complex during 2008-09** **Sub-Head: Annual Operation & Maintenance of R.O. Plant Estimated Cost: Rs. 2,89,334.00, Earnest money: Rs. 5,787.00, Time Allowed: One Year, Tender Cost: Rs. 500/-**, Last date of receipt of application:30.10.2008 upto 4.00 PM, Last date of issue of tender:31.10.2008 upto 4.00 PM, Date of opening of tenders:03.11.2008 at 3.30 PM in Room No.301, Admn. Block, NSIT, Sector-3, Dwarka, New Delhi-110078. The Earnest Money as mentioned above shall be deposited alongwith the application seeking issue of tender documents in the form of Pay Order/Demand Draft of a Scheduled Bank issued in favour of “Director, Netaji Subhas Institute of Technology”.

Alternatively, the tender documents consisting of above can be downloaded from the websites www.delhigovt.nic.in & www.nsit.ac.in and the downloaded documents can be used for quoting the tender and these documents shall only be opened subject to fulfillment of conditions:

Detailed terms & conditions of the tender can be seen on websites mentioned above.

Eligibility Criteria : The Agencies must have satisfactory executed three similar works in Govt. Departments each of value 40% of estimated cost or two weeks each of 50% of estimated cost as one work of 80% of estimated cost during last 5 years. The applications not supported with requisite experience certificates shall not be entertained.

ANIL ARORA
EXECUTIVE ENGINEER(C)/M

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
AZAD HIND FAUJ MARG: SECTOR-3, DWARKA
NEW DELHI-110078.

CORRIGENDUM TO Form-8 (CPWD)

S.NO.	FOR	READ
1.	Govt. of India	Govt. of National Capital Territory of Delhi.
2.	President of India	B.O.G., NSIT
3.	Superintending Engineer/Chief Engineer.	Director, Netaji Subhas Institute of Technology
4.	CPWD (Department)	Netaji Subhas Institute of Technology
5.	Administrative Head	Director, Netaji Subhas Institute of Technology
6.	Ministry of Works & Housing	Govt. of National Capital Territory of Delhi.

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
AZAD HIND FAUJ MARG: SECTOR-3, DWARKA
NEW DELHI-110078.

NOTICE INVITING TENDER

1. Item Rate tenders are invited on behalf of the BOG, NSIT from the manufacturers, Dealers and Distributors as per the Eligible Criteria given below for the work of:-

Name of work: AR & MO NSIT Complex during 2008-09
Sub-Head: Annual Operation & Maintenance of R.O. Plant

The enlistment of the contractor should be valid on the last date of sale of tenders.

In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tenders.

In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two dates i.e. original date of sale of tender or on the extended date of sale of tenders.

Eligibility Criteria : The Agencies must have satisfactory executed three similar works in Govt. Departments each of value 40% of estimated cost or two weeks each of 50% of estimated cost as one work of 80% of estimated cost during last 5 years.

- 1.1 The work is estimated to cost **Rs. 2, 89,334.00**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD-8 which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **12 months** from the as stated under Clause-5 in Schedule 'F' after the date of written orders to commence the work or from the first day of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site of work is available.

5. Receipt of applications for issue of forms will be stopped by 4.00 PM the last date fixed for receiving of the applications from the office of EE (C)/M. Last date of issuing of tender documents will be as mentioned in NIT.
- 5.1 Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer (C)/M, Room No.301, Admn. Block, NSIT, Sector-3, Dwarka, New Delhi-110078, between hours of 11.00 am to 4.00 pm from _____ to _____ every day except on the Saturday, Sunday and Public Holidays. Tender documents, excluding standard form, will be issued from his office during the hours specified above, on payment of the following:
- (i) **Rs. 500/- in cash as cost of tender and**
 - (ii) **Earnest money of Rs. 5787/- in the form of Pay Order/Demand Draft of a Scheduled Bank issued** in favour of “Director, Netaji Subhas Institute of Technology”.

Earnest money should be deposited alongwith the application seeking issue of tender documents in the form of Pay Order/Demand Draft of a Scheduled Bank issued in favour of “Director, Netaji Subhas Institute of Technology”. The contractors have to produce attested copy of the eligibility criteria including TIN No. and a certificate that upto date returns have been filled alongwith the copy of returns submitted to the department of Trade and Taxes (VAT).

6. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the Executive Engineer (C)/M upto 3.00 PM on dated _____ and will be opened by him or his authorized representative in his office on the same day at 3.30 PM.
- 6.1 Alternatively, the tender documents consisting of above can be downloaded from the websites www.delhigovt.nic.in & www.nsit.ac.in and the downloaded documents can be used for quoting the tender and these documents shall only be opened subject to fulfillment of following conditions:

A separate sealed envelope, other than tender, marked as ‘**documents required for tender downloaded from the website**’ containing following documents shall be submitted with the tender:-

- a) Separate Demand Draft/Pay Order for tender cost and EMD for the amount as mentioned above in favour of Director, Netaji Subhas Institute of Technology” of a Schedule Bank or Nationalized Bank/State Bank guaranteed by Reserve Bank of India.
- b) Attested copy of all the documents required for eligibility.

- 6.2 Incomplete tender documents downloaded from the website shall be summarily rejected.
- 6.3 Tenderer shall submit the tender in sealed envelope. Tenderer who has downloaded the tender documents from the website shall submit the tender in two sealed envelopes marked as Envelope-I (Documents required for tender downloaded from the website) and Envelope-II (tender documents downloaded from the web). Both envelopes should be enclosed in a common Envelope-III. In case Envelope-I is not annexed then Envelope-II containing tenders will not be opened at all. In case holiday is declared on the opening day, the tenders will be opened on the next working day.
7. The contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of an irrevocable bank guarantee bond of any Scheduled Bank in accordance with the form prescribed or in cash or in the form of Govt. security, fixed deposit receipt etc., as in the case of recovery of security deposit within prescribed number of days of the issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge upto a maximum period of prescribed number of days on written request of the contractor.
8. The description of the work is as follows:

Name of work: AR & MO NSIT Complex during 2008-09
Sub-Head: Annual Operation & Maintenance of R.O. Plant

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor shall not be permitted to tender for works in the CPWD Circle (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
13. No Engineer of gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
14. The tender for the works shall remain open for acceptance for a period of sixty days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, which-ever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re-tendering process of the work.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard CPWD Form 8
16. In case of any difference / ambiguity between English & Hindi version, English version shall prevail.
 17. The department shall deduct Sales Tax/DVAT, Income Tax, Labour Cess etc. as applicable on the value of work done from each bill of the contractor as per prevailing Government instructions / orders. In lieu, the department shall issue a certificate of deduction of the tax at source to the contractor, in relevant forms.
 18. The intending tenderer must produce alongwith the application, attested copy of registration under Delhi Value Added Tax (DVAT) Act 2004 and its no dues certificate.
 19. Contactor shall have to produce original copies/certificates for verification by the Department.

EXECUTIVE ENGINEER(C)/M

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE	DELHI	CIRCLE	ENGG. CELL
BRANCH	NSIT	DIVISION	ENGG.CELL/M/NSIT
ZONE		SUB-DIVISION	E.CELL/M/NSIT

Item Rate Tender & Contract for Works

(A) Tender for the work of:-

Name of work: AR & MO NSIT Complex during 2008-09

Sub-Head: Annual Operation & Maintenance of R.O. Plant

(i) To be submitted by (to be filled by EE Office) hours on (to be filled by EE office) to

(time)

(date)

(ii) To be opened in presence of tenderers who may be present at (to be filled by EE Office) hours on (to be filled by EE Office) in the office of EE (C)/M, NSIT.

Issued to: (to be filled by EE Office)

contractor

Signature of officer issuing the documents _____

Designation EE (C)/M, NSIT

Date of issue _____

T E N D E R

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable, Drawings & Designs, General Rules and

Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for sixty (60) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs. 5787/-** has been deposited in P.O./demand draft of a scheduled bank as earnest money. If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate informations derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Signature of Contractor

Postal Address

Dated

Witness:

Address:

Occupation:

A C C E P T A N C E

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. _____ (Rupees _____).

_____).

The letters referred to below shall form part of this contract Agreement:-

a)

b)

c)

For & on behalf of the President of India.

Signature _____

Designation _____

Dated

SCHEDULES

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) As per Schedule attached

SHCEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
NIL				

SCHEDULE 'C'

Tools and plants to be hired to the contractor.

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
Nil			

SCHEDULE 'D'

Extra schedule for specific requirements/document for the work, if any.

Nil

SCHEDULE 'E'

Schedule of component of Cement, Steel, other Materials, Labour etc. for price escalation.

NIL

CLAUSE 10 CC

Component of Cement-
Expressed as percent of total
value of work Xc
_____%

Component of Steel-
Expressed as percent of total
value of work Xs
_____%

Component of civil (except
cement & steel)/Electrical
construction Materials Xm
expressed as percent of total
value of work. _____%

Component of Labour-
Expressed as percent of total
value of work Y
_____%

Component of P.O.L.-
Expressed as percent of total
value of work Z
_____%

N.A.

SCHEDULE 'F'

Reference to General Conditions of contract.

Name of work:

Sub-Head:

Estimated cost of work: **Rs. 2,89,334.00**

- i) Earnest money: **Rs. 5787.00**
- ii) Performance Guarantee: 5% of tendered value before award of work.
- iii) Security Deposit: 5% of tendered value

GENERAL RULES:
& DIRECTOIONS

Officer inviting tender EE (C)/M
Maximum percentage for quantity of
items of work to be executed beyond
which rates are to be determined in
accordance with Clauses 12.2 & 12.3

See below

Definitions

2(v) Engineer-in-Charge

EE (C)/M

2(viii) Accepting authority

Director/EE (C)/M, NSIT

2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%
2(xi)	Standard Schedule of Rates	DSR – 2007 with upto date correction slips
2(xii)	Department	Engg. Cell/M/NSIT.
9(ii)	Standard CPWD contract Form	CPWD form 8 as modified & corrected upto date
Clause 1		
	i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days	04 to 15 days or as decided by EE (C)/M
	ii) Maximum allowable extension beyond the period provided in i) above in days	03 to 07 days or as decided by EE (C)/M
Clause 2		
	Authority for fixing compensation under clause 2	Director, NSIT
Clause 2A		
	Whether Clause 2A shall be applicable	No
Clause 5		
	Number of days from the date of issue of letter of acceptance for reckoning date of start	07 to 22 days or as decided by EE (C)/M

Mile stone(s) as per table given below:-

Table of Mile Stone(s)

Sl. No.	Description of Milestone (Physical)	Time Allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.			
2.			
.			
.			

Time allowed for execution of work.	12 months
Authority to give fair and reasonable extension of time for completion of work	Engineer-in-charge or Director, NSIT.

Clause 6, 6A	Clause- 6
Clause applicable – (6 or 6A)	

Clause 7	
Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last	As decided by EE

	such payment for being eligible to interim payment	
Clause 10A	List of testing equipment to be provided by the contractor at site lab. 1. Water Testing Kit 2. T.D.S. Meter 3.	
Clause 10B		
(ii)	Whether clauses B (ii) shall be applicable	No
Clause 10CA	Materials covered under this clause 1. Cement 2. Steel 3.	Nearest Material for which All India Wholesale Price Index is to be followed
Clause 10CC	Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column	18 months
Clause 11	Specifications to be followed for execution of work	CPWD specifications with upto date correction slips and additional conditions & additional specifications enclosed.
Clause 12		
12.2 & 12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work	30%
12.5	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work	100%
Clause 16		
	Competent Authority for deciding reduced rates	Director, NSIT.
Clause 18		
	List of mandatory machinery, tools & plants to be deployed by the contractor at site. 1. 2. 3.	
Clause 36 (i)		

Requirement of Technical Representative(s) and recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures (in Rs.)	Words
1.	Project Manager with Degree	Civil/ Elect.		10 years		20,000/- p.m.	Twenty Thousand Only
2.	Graduate Engineer	Civil/ Elect.		5 years		15,000/- p.m.	Fifteen Thousand Only
3.	Graduate Engineer or Diploma Engineer	Civil/ Elect.		Nil or 5 years		10,000/- p.m.	Ten Thousand Only

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.

Clause 42

- i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2007 printed by CPWD with upto date correction slips.
- ii) Variations permissible on theoretical quantities
- | | | |
|----|---|-------------------------------------|
| a) | Cement for works with estimated cost put to tender not more than Rs. 5 Lakhs. | 3% plus/minus |
| | For works with estimated cost put to tender more than Rs. 5 Lakhs | 2% plus/minus |
| b) | Bitumen all works | 2.5% plus only & nil on minus side. |
| c) | Steel Reinforcement and structural steel sections for each diameter, section and category | 2% plus/minus |
| d) | All other materials | Nil |

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor Rate in schedule 'B' plus 10% in case materials issued by Department.	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement		
2.	Steel reinforcement		
3.	Structural Sections		
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

LIST OF MATERIALS OF APPROVED MAKES

The materials of first/standard quality from the following approved makes, or as specified in the particular item of work in the schedule of quantity are to be used. In case it is established that the brands specified below are not available in the market, the contractor shall submit alternative proposal for the approval of the Engineer-in-Charge.

S. No.	Description	Approved manufacturer/Brand name
1.	Mortice latch	Godrej, Harrison or equivalent
2.	White cement	Birla White, JK White or equivalent
3.	Grey Cement	ACC, L & T, J.P.Rewa, Vikram, Shri Cement & Birla Jute, Grasim, Gujrat Ambuja
4.	Ceramic/Glazed tiles	Somany, Kajari & Orient
5.	Primers, paints, water proofing cement paint, etc.	Nerolac, Asian, Berger, Snowcem/Durocem
6.	Lime	Satna, Dehradun
7.	Putty	Shalimar or equivalent
8.	Sanitary ware and fittings	Parryware, Hindware, CERA
9.	Beveled edge mirror/mirror	Atul, Jolly, Modiguard, Saint Gobain
10.	Sand cast iron (S&S pipes and fittings)	HIF, RIF or equivalent
11.	GI fittings	'R' Brand, Unik, Zoloto-M
12.	GI pipes	Tata, Jindal, Hissar, BST
13.	Brass/CP Brass fittings	Gem, Dripless, Marc, Jacquar, Parko Sangam, Prima, Ess-Ess
14.	Aluminum sections (Anodised by approved anodizing firm)	Hindalco, Jindal, Indian Aluminium Co. Mahavir sections.
15.	Water proofing compound	Cico, Forsoc, Pidilite,
16.	Acid resistant tiles	Bell, Granamite, Naveen or equivalent
17.	WC and wash basin 1.0 mm thick stainless steel	AMC, Jayco, Nirali or equivalent
18.	Centrifugally cast (spun) iron S&S pipes/fittings	Neco, Cial (Durgapur)
19.	FRP door shutters	M/S Simba FRP (P) Ltd M/S Ashoo Model Arts M/S Advance FRP M/S RAP fibre Product (P) Ltd M/S Fibreways Technology
20.	Glass sheets	Modi, Saint Gobain
21.	Steel section windows (ISI marked)	Metal window Corp, Gurjeet Industries

		or equivalent
22.	CP waste spreaders Urinal flush pipes	Lotus, Orient, Ess-Ess
23.	UPVC soil waste and vent pipes and fittings	Supreme, Prince, Finolex
24.	Stoneware pipes	ISI marked approved quality, Bhaskar, Annand
25.	Steel fibre reinforced concrete manhole cover and grating.	KK Manholes
26.	CI manhole cover	RIF, Kajero, Neco
27.	Prelaminated particle board	Novopan, Ecoboard, Bhutan board
28.	Vitrified tiles	Kajaria, Somany & Orient
29.	Interlocking paver blocks	NIMCO, NITCO, KK or equivalent.

Note : 1. All other items shall be of ISI marked as per approved sample kept at site of work.

2. The contractor shall provide the materials as per the make or brand indicated above. When two or more alternatives/ Brands have been mentioned, the brand to be finally used shall be as decided by the engineer-in-charge.

EXECUTIVE ENGINEER(C)/M

ADDITIONAL SPECIFICATIONS

1. In case of any variation between different applicable specifications, the following order of precedence shall be followed.
 - (i) Nomenclature of the item.
 - (ii) Particular or additional Specifications attached with the tender documents.
 - (iii) CPWD Specifications.
 - (iv) Indian Standard Specifications of BIS.
2. The contractor shall be required to produce samples of all building materials sufficiently in advance to obtain approval of the Engineer-in-Charge. The materials to be used in actual execution of the work shall strictly conform to the quality of samples approved. In case of variation, such materials shall be rejected.
3. The contractor shall be required to provide testing appliances at site, such as weighing scale, graduated cylinder, standard sieves, thermometer, slump cone etc. in order to enable the Engineer-in-Charge to conduct field tests to ensure that the quality is consistent with the prescribed specifications and nothing extra shall be paid on this account.
4.
 - (i) The contractor shall, at his own cost, make all arrangement and shall provide such facilities as the Engineer-in-Charge may require for collecting, preparing and forwarding the required number of samples for tests at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be paid for the above including cost of sample material, except testing charges. Testing charges shall be reimbursed to the contractor after production of receipts. In case, material fails in test, no reimbursement shall be made by Department. The necessary tests shall be conducted in the laboratory approved by the Engineer-in-charge.
 - (ii) The contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case, he or his authorized representative is not present or does not associate himself, the result of such test and consequences thereon shall be binding on the contractor.
5. Wherever any reference to any Indian Standard Specifications occurs in the documents related to this contract, the same shall be inclusive of all amendments issued there to or revision thereof, if any, up to the date of opening of tenders.
6. Any cement slurry added over base surface or added for continuation of concreting for better bond is considered to have been included in the item (unless otherwise explicitly stated) and nothing extra shall be payable or extra cement considered in consumption on this account.
7. Preference shall be given to those articles which bear ISI certification marks. In case articles bearing ISI certification marks are not available, the quality of samples brought by the contractor shall be judged by the standards laid down in the relevant ISI specifications/CPWD Specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved, which shall be preserved till the completion of the work. However, such articles which bear ISI mark but banned by CPWD will not be used.
8. The structural and architectural drawings of the work shall at all times be properly correlated by the contractor before executing any work and no claim whatsoever shall be entertained for failing to do so. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-Charge.

9. Issue of steel of diameter above 10mm will be regulated on standard sectional weight basis as per para 5.3.3 of Revised CPWD Specifications 2002 for Cement Mortar, Cement Concrete, and RCC Works. However, for MS bars, or tor - steel bars up to and including 10mm diameter which are billed by the suppliers on actual weight basis, will be verified and accounted for in the stock account on actual weight basis and will also be issued on actual weight basis.
10. Stipulated materials shall not be issued for factory made products like pre-cast cement tiles, pre-cast hollow concrete blocks, pre-cast foam concrete blocks, interlocking paver blocks, cement concrete kerb stone, pre-cast RCC pipes etc.
11. Contractors may be required to execute the work under foul condition. The decision of the Engineer-in-Charge whether the condition is foul or not shall be final and binding on the contractor and nothing extra for executing the work in foul condition shall be payable beyond what is provided in the schedule of quantities.
12. Transparent sheet glass conforming to IS:1761-1960 shall be used, thickness being governed as under unless otherwise specified in the item.

Area of glazing	Thickness	Maximum unsupported length
For glazing area upto 0.5 sqm	4 mm	120 cm
For glazing area more than 0.5 sqm	5.5 mm	180 cm
13. The contractor shall give a performance test of the entire water supply, sanitary installations, and drainage work as per standard specifications before the work is finally accepted, and nothing extra whatsoever shall be payable to the contractor for the test.
14. Payment for work at different floors, and extra payment for the items of RCC work, brick work, concrete work and stone masonry above different floor levels shall be made at the rates provided for these items. For operation of these rates, the floor level shall be considered as the top of main structural RCC slab in that floor viz. top of RCC slab in main room and not the top of any sunk or depressed floor in lavatory.
15. Nothing extra shall be paid for making holes in walls/RCC members etc. for fixing suspenders and frame works and making good the same to restore the original surface.
16. The pig lead to be used in jointing 100 mm and 75 mm SCI pipe joints shall not be less than 0.98 kg and 0.88 kg per joint respectively.
17. Apart from above, all the amendments in the "CPWD Specification" issued upto the date of the opening of tenders shall be applicable,

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ADDITIONAL CONDITIONS

1. In case of any variation between different applicable terms and conditions, the following order of precedence shall be followed:-
 - (i) Nomenclature of Item
 - (ii) Additional Conditions
 - (iii) CPWD-6/7/8
 - (iv) General Conditions of Contract.
2. Tender received by post or courier shall not be entertained.
3. Any change in Bid after opening of tender will not be allowed.
4. Before tendering, the tenderer shall inspect the site of work and shall fully acquaint himself about the conditions with regard to site, nature of soil, availability of materials, suitable location for construction of godowns, stores and labour huts, the extent of leads and lifts involved in the work over the entire duration of contract including local conditions, traffic restrictions, obstructions, and other conditions and restrictions by the administrative authorities, and such other factors as may be required for satisfactory execution of the work. He should take into consideration all such factors and contingencies while quoting his rates. No claim whatsoever shall be entertained by the Department on this account.
5. The contractor must study the specifications and conditions carefully before tendering.
6. The contractor shall submit the programme of execution of work within a week after taking over of the site and get it approved from the Engineer-in-charge and strictly adhere to the same for timely completion of the project/work.
7. The contractor shall have to make approaches to the site, if so required, and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-Charge. Nothing extra shall be paid on this account.
8. The work shall be carried out in such a manner so as not to interfere or effect or disturb other works being executed by other agencies, if any.
9. Any damage done by the contractor to any existing work shall be made good by him at his own cost, failing which the same shall be got done at his risk and cost.
10. The work shall be carried out in a manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
11. For completing the work in time, the contractor might be required to work in two or more shifts including night shifts and no claims whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay extra amount to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulation and/or for any other reason.
12. The contractor shall make his own arrangements for obtaining electric and water connections, if required, and make necessary payments directly to the authority concerned. The department will, however, make reasonable recommendations to the authority concerned in this regard.

13. In case Department found that either contractor or his labour involved in theft of Electricity & Water from NSIT source. The contractor is liable to pay the fine as decided by Engineer-In-Charge.
14. The contractor or his authorized representative should always be available at the site of work to take instructions from departmental officers, and ensure proper execution of work. No work should be done in the absence of such authorized representative.
15. No payment will be made to the contractor for damage caused by rains, or other natural calamities during the execution of the work and no such claim on this account will be entertained.
16. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on the boulders, stone aggregate, shingle, earth, sand, bajri etc. collected by him for the execution of the work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.
17. The malba/garbage removed from the site shall be disposed of by the contractor at the MCD approved dumping site or at any other suitable place as directed by the Engineer-in-Charge.
18. The materials to be issued to the contractor and the place of delivery shall be as mentioned in the Schedule 'F' of the tender documents. If these are delivered at any other site, the difference in cost due to cartage will be adjusted accordingly. The contractor shall have to cart at his cost the materials to the site of work as soon as these are issued. The materials will be issued during the working hours and as per rules of the Central Store of NSIT.
19. The contractor shall construct suitable godown at the site of work for storing the materials safe against damage due to sun, rain, dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.
20. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued to him by the department.
21. The contractor shall maintain and render proper account of all materials issued to him by the department, consumed by him on the work and the balance, if any, in the first week of every month. If he fails to do so, no further quantity of materials shall be issued to him and he shall be wholly responsible if any delay occurs in the completion of the work on this account.
22. Contractor will quote amount including all other taxes such as service tax etc. and nothing extra shall paid on account of taxes.
23. The material such as cement, pig lead, cleaning chemicals, dry distemper, oil bound acrylic distemper, water proofing cement/chemical, paint, pigment etc. shall strictly be kept in double lock and key system to monitor their consumption. The material shall only be issued in presence of authorized representative of contractor.
24. Apart from above, all the amendments in the "General Condition of Contract for CPWD Works" and "CPWD Specifications" issued upto the date of opening of tenders shall be applicable.

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CONDITIONS FOR CEMENT & STEEL TO BE ARRANGED BY THE CONTRACTOR

CONDITIONS FOR CEMENT

1. The contractor shall procure 33 grade (conforming to IS : 269) or 43 grade (conforming IS : 8112) ordinary Portland cement, as required in the work, from reputed manufacturers of cement, having a production-capacity of one million tones per annum or more, such as ACC, L&T, JP Rewa, Vikram, Sri Cement, Birla Jute and Cement Corporation of India, Grasim, Gujrat Ambuja etc. as approved by Ministry of Industry, Govt. of India and holding license to use ISI certification mark for their product whose name shall be got approved by Engineer-in-charge. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
2. The cement shall be brought at site in bulk supply of approximately 10 tonnes or as decided by the Engineer-in-charge.
3. The cement godown of the capacity to store a minimum of 400 bags of cement shall be constructed at site of work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.
4. The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
 - (i) By the contractor, if the results shall that the cement does not conform the relevant BIS Codes.
 - (ii) By the Department, if the results show that the cement conforms to relevant BIS Codes.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
6. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

CONDITIONS FOR STEEL

1. The contractor shall procure steel reinforcement bars conforming to relevant BIS Codes from main producers as approved by the Ministry of Steel. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS Codes. In case the test results indicate that the steel stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-charge to do so.
2. The steel reinforcement shall be brought to the site as decided by the Engineer-in-charge.

3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
4. For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below.

Size of bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia.	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10 mm to 16 mm dia	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16 mm dia.	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

5. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
 - (i) By the contractor, if the results shall that the steel does not conform the relevant BIS Codes.
 - (ii) By the Department, if the results show that the steel conforms to relevant BIS Codes
6. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
7. Steel brought to site and steel remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

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PROFORMA FOR CEMENT REGISTER

<u>Particulars of receipt</u>			<u>Particulars of issue</u>								<u>Remarks at periodical check</u>	
Date of receipt	Quantity received	Progressive Total	Date of issue	Quantity issued	Item of work which issued	Quantity returned at the end of the day	Total issued	Daily balance in hand	Contractor's initials	JE's initials	Astt. Engr's	EE's
1	2	3	4	5	6	7	8	9	10	11	12	13

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**NETAJI SUBHAS INSTITUTE OF TECHNOLOGY
AZAD HIND FAUJ MARG: SECTOR-3,
DWARKA, NEW DELHI-110075**

SCHEDULE OF QUANTITY

Name of work: A.R. & M.O. NSIT Complex during 2007-08.

Sub-Head: Annual Maintenance & Operation of R.O.Plant.

S. No.	Description	Unit	Quantity	Rate	Amount
1.	Annual operation & maintenance contract of R.O. Plant as per given terms & conditions (Annexure – A)	Each Month	12.00		
2.	Supplying antiscalent chemical (make Permacare -191 or Indion – 8111) in sealed containers at site.	Kg.	300.00		
3.	Supplying of micron cartridge filter 10 micron 30” long of approved make for R.O. Plant at NSIT Campus.	Each	60.00		
4.	Supply of cleaning chemicals for cleaning of R.O. Plant 1) Citric Acid 2) HCL of 30% Concentrate 3) NaOH	Kg. Kg. Kg.	105.00 240.00 30.00		
5.	Supplying sodium hypochlorite solution confirming to relevant IS code for domestic use.	Ltr.	200.00		

CONTRACTOR

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TERMS & CONDITIONS

**Terms & conditions for Annual Maintenance & operation of R.O. Plant
at NSIT.**

A. R.O. Plant:

1. Equipment at Site:-

a)	New Generation Multigrade Filter	:	1 Set
b)	New Generation Activated Carbon Filter	:	1 Set
c)	Antiscalent Dosing System	:	1 Set
d)	Micron Cartridge Filters	:	1 Set
e)	R.O. Plant with High Pressure Pump & 8040 membranes	:	1 Set

2. Agency shall provide the operating staff to operate the above system in two shifts as per timings given by NSIT during execution of work. The timings can be changed depending upon the requirement of NSIT.
3. Agency will maintain the log book/reports.
4. The preventive maintenance chart for the month will be submitted by agency every 1st week of the month.
5. Agency will provide Chemical Consumption Report every month.
6. Re-calibration of Conductivity/Flow meter will be organized by agency.
7. Cleaning operation for R.O. Membranes will be organized by agency after every three months at their own arrangement of labour and T & P such as necessary pump etc. No extra payment shall be made on this account.
8. Monthly checking of cartridge filter will be arranged by agency.
9. Probing of R.O. Plant inter stage will be arranged by the agency once in a month and Resetting of "0" ring, inter-board connector etc. will also be arranged, if required.
10. Media quantities/qualities will be checked by agency every 3rd month. If filter media for MGF or ACF is required to be replaced it shall be got done by the agency and the payment shall be made only for the cost of new filter media and nothing shall be paid for labour involved in the process.
11. All T & P and required labour for all operations and maintenance shall be arranged by the agency at their own cost.
12. Agency shall ensure the visit of Service Engineer as per the following schedule:
 1. Routine visit: Twice a month
 2. Emergency/casual visit: Whenever required

13. Consumables like Raw Water & Electricity will be provided by NSIT.
14. The contractor shall be solely responsible for payment of wages/salaries, allowances and other benefits to his personnel in accordance with Minimum Wages Act 1948 & all other applicable laws from time to time. NSIT shall have no liability whatsoever in this regard.
15. Contractor shall arrange necessary insurance cover for any persons deployed by them at NSIT site even for a short duration. NSIT shall not entertain any claim arising out of mishap, if any, that may take place at site of work.
16. The contractor shall also be responsible for provision of all safety notices, measures and safety equipments required both by the relevant legislation and the Engineer-In-Charge, as he may deem necessary.
17. All equipments used by contractor shall meet Indian, International standards and where such standards do not exist, the contractor shall ensure these to be absolutely safe. All equipments shall be strictly operated and maintained by the contractor, in accordance with manufacturer's operation Manual, safety instructions and as per instruction of Engineer-in-charge.
18. In the event of any dispute arising under this contract, the same shall be referred to the sole arbitrator appointed by the Director, NSIT. The arbitration shall be conducted in accordance with the provisions of the Arbitration Act 1996. The award of the arbitrator shall be final and binding on both the parties.
19. NSIT reserves the right to terminate the contract either in part or in full. Engineer-In-Charge shall in such an event give one month notice in writing to the contractor of his decision to do so. Contractor upon receipt of such notice shall discontinue the work. In the event of such termination, contractor shall be paid for the actual time performed till the date specified in the notice.
20. The contractor shall be in no case lease/transfer/sublet/appoint caretaker for services.
21. No other person except contractor's authorised representative shall be allowed to enter NSIT premises. Contractor shall also not entertain any outsider or extend any service beyond NSIT premises.
22. Within NSIT premises, the contractor's personnel shall not do any private work other than their normal duties.
23. The contractor shall be directly responsible for any/all disputes arising between him and his personnel and keep NSIT indemnified against all losses, damages and claims arising thereof.
24. The personnel engaged by contractor shall be subject to security check by the NSIT security staff while entering/leaving the premises.
25. Contractors shall be fully responsible for theft, burglary, fire or any mischievous deed by his staff.
26. List of persons employed by contractor for the subject work mentioning qualifications, experience, and residential address shall be submitted to NSIT. In case of any revision, the same shall be informed to NSIT from time to time.
27. NSIT also reserves the right to ask the contractor to remove particular person(s) from site with immediate effect if in the opinion of NSIT his behavior/performance is not up to the mark and/or found indulging in unlawful activities. Contractor shall immediately comply with such instructions.

28. Any repair to High Pressure Pump if required shall be got done in the minimum possible time by the agency through the original manufacturer or as approved by Engineer-in-Charge. The repair charges on account of all labour involved, shall be born by the contractor. However cost of transportation, transit insurance and any spare parts required to be replaced shall be initially borne by the agency but shall be reimbursed later as Extra items on the basis of market rates and on production of original bills by the agency.
29. No payment shall be made against item no. 1 for the period of break down if any.
30. Any spare parts required to be replaced shall be replaced by the agency at the earliest possible time. The agency shall inform NSIT in writing about the requirement and only after getting written communication from Engineer-in-charge, new spares of standard and approved make shall be arranged by the agency and payment for such spare parts shall be made as extra items. However no payment shall be made for any labour involved in such replacements.
31. If the agency fails to provide operational services on any particular day, a recovery @ Rs. 1,000/- per shift shall be enforced. Since it is a very important work and any lapse in services is bound to affect the water supply in the Institute, the recovery shall be enforced. The agency may be prepared/equipped to provide quality service.

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