CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY: JORHAT

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

Name of Work: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works.

CONTENTS

	SI. No.		DESCRIPTION	Pages
	4		Contents	1
	2		Notice Inviting Tenders	
	3		Abstract of cost	
	4		Schedule of quantities & summary sheet	
	5	(A)	Condition of Contract for works	
		i)	In English	
	C		nderer should confirm that they have received all the above papers. It is issued to be returned duly signed by the tenderer while submitting	
TENDER ISSU	JED TC) :		
	Ν	1/s		
Telephone n	o:		(IF ANY)	
CSIR-NEIST R	eceipt	No	datedfor Rs	

SIGNATURE OF THE OFFICER ISSUING TENDER





CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY: JORHAT

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

NOTICE INVITING TENDER No. NIT/WEB/ 054 /2016 dated 01- 11 -2016

Sealed item rate tenders are invited for the works mentioned below from the Contractors/Firms registered in appropriate class of C.P.W.D., Railways, M.E.S., Post & Telegraph Department, State P.W.D.'s, Semi-Government organizations and/or from those, who have successfully carried out similar works for C.S.I.R. or its laboratories/Institutes or Government Organizations having required T& P. The tender document will be accepted only from those contractors, who have satisfactorily executed similar works of value: a)three similar works, each 40 % of estimated cost or b) two similar works each of value 50 % of estimated cost or c) one Similar work of 80 % estimated cost. The Contractor(s) already awarded work order for similar type of work at NEIST, Jorhat and not able to complete the contract in the allotted schedule and also not signed any agreement is (are) not eligible to submit the tender.

For issue of Tender papers, proof of their Registration, Experience, Sales Tax Certificate and Capability must be submitted to the full satisfaction of the officer issuing the tenders:

SI	Name of Work	Estimated Cost in Rs.	Earnest Money in Rs.	Cost of Tender	Time of Completio n	Date of issue	Last Date of submission	Date/Time of Opening
1	Construction of Front Boundary wall of Main and Cinamara campus of CSIR- NEIST, Jorhat i/c Electrical works.	1,60,39,680./-	3,12,000/-	1000/-	200 days	28-11-2016 To 14-12-2016	15-12-2016 up to 1.00PM	15-12-2016 At 2.30PM

Tender documents can also be downloaded from the web site http://www.neist.res.in. In case the tender documents obtained from the web site, then the tenderer should enclose a separate Demand draft / Pay Order from a scheduled bank in favour of Director, NEIST Jorhat for Rs.1000.00 (Non refundable) towards the tender cost and also submit his credentials along with the tender for verification. The tenderers are advised to see the work site before quoting the rates.

Administrative Officer CSIR-NEIST, Jorhat.

- The tenderers are required to produce proof of fulfilling conditions mentioned herein before, along with the attested copies of Sales Tax Certificate, Income Tax Clearance Certificate and Credentials, Electrical license complete to the Executive Engineer, CSIR- N.E.I.S.T. Jorhat to get issue of Tender Paper on payment as mentioned above in cash (non-refundable). Sale of Tenders shall be stopped one day before the date of opening of tenders. (Issue of tender paper will be from 28-11-2016 to 14-12-2016
- Tenders should be submitted in double sealed covers superscripted with the name of the work date and time of opening written both on the inner and outer envelopes. They will be received up to 1:00 p.m. on 15-12-2016 and will be opened at 2:30. p.m. on the same day in the conference hall of administrative Building (GF), CSIR-North East Institute of Science & Technology, Jorhat,. Tenders should be dropped in the tender box kept at the Security Office, N.E.I.S.T. Gate No. 2 before the closing date and time indicated. Tenders may be sent by Registered post or Speed post addressed to AO, CSIR- North East Institute of Science & Technology, Jorhat-785006 in case the Tenders are sent by post. Tenderers are to ensure that the tenders are reached well in advance before the closing time and date indicated.
- The Earnest money, amount mentioned above drawn by demand draft or pay order of a schedule bank in favour of the Director, North East Institute of Science & Technology, Jorhat, should accompany the tender. Tenders received without earnest money will be invalid. The Employer does not bind himself to accept the lowest or any tender and reserves the right of accepting the whole or any part of the tender.
- 4 Canvassing in connection with the tenders is prohibited and the tenders submitted by contractor who resort to canvassing are liable for rejection.
- The tenderers are not permitted to submit their tenders for works in N.E.I.S.T. Jorhat where a relative of the tenderer is posted in the grade between Controller of Administration and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and whose relatives are as mentioned above.

NOTE: A person shall be deemed to be a relative of another if, and only if, (a) they are members of Hindu undivided family; or (b) they are husband and wife; or (c) the one is related to the other in the following manner: Father, Mother (including Step mother), Son (including step son), Sons wife. Daughter (including step daughter), Father, Son's son, Son's wife, Son's daughter, son's Daughter's husband, Daughter's husband, Daughter's son's wife, Daughter's daughter's husband, Brother (including step brother), wife, sister (including step sister). Sister's husband.

- Tender submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
- The tenderer shall quote rates both in figures and words. He shall also workout the amount for each item of work and writes in both figures and words. On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him, the following procedure shall be followed.
 - (i) When there is difference between the rates in figures and in words, the rates which correspond to the amounts worked out by the tenderer shall be taken as correct.
 - (ii) When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.
 - (iii) When the rate quoted by the tenderer in figures and in words tallies but the amount is not worked out correctly the rate quoted by the tenderer shall be taken as correct and not the amount.
- The tenderer should see drawings and in case of doubt, obtain required particulars, which may in any way influence his tender; from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
- 9 Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of materials, installations of tools

and plants (T & P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstances.

- Earnest money will be forfeited if the contractor fails to commence the work as per award of work.
- Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. Tenderers who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted along with the tender.
- Some of the provisions of General Conditions of Contract are given below. Interpretation however shall be as given in the General Conditions of Contract.
 - a) <u>Defects Liability Period:</u> Twelve months from the date of completion as certified by the Employer.

 - c) Security Deposit: A sum @10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tenderer value of work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tendered value of the contract as Performance Guarantee within the period prescribed for commencement of work in the letter of award issued to him.
 - d) <u>Compensation</u>: Contractor shall pay as-compensation and amount equal to one percent or such smaller amount as the Employer (whose decision in writing shall be final) may decide on the cost of whole work as shown in the agreement, for every week that the work remains uncommented or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of the work as shown in the agreement.
 - 13. Schedule showing approximate quantity of materials to be supplied by the Employer under Clause: 6 of the General Conditions of Contract for works contracted to be executed and to rates at which they are to be charged for.

		Rates		naterial will be charged to the ontractor	Place of Delivery
					Stores, (NAME OF THE LABORATORY)
Particulars	Approx.				
of materials	Qty.		Rs.		
		Unit	(Figures)		
				Rupees	
1. Cement 2. Steel			CONT	RACTOR'S SUPPLY	

NOTE: The Tenderer shall ensure that particulars in the above form are filled in by the engineer before he submits the tender.

14. For all specialist jobs e.g., lights, air conditioning, public address, fire protection, security surveillance and building management systems, technical (covering also general conditions and commercial terms) and financial offers will be given separately in two sealed covers.

SPECIAL CONDITIONS - I

- 1 These special conditions are meant to amplify the general specifications and general conditions of contract.
- 2 Work shall be done as per CPWD specification

Incase of any discrepancy the order of precedence in interpretation shall be as under...

- (i) Schedule of quantities
- (ii) Drawings
- (iii) Additional conditions
- (iv) General conditions of contract
- (v) Special condition
- (vi) Additional Technical Specifications
- (vii) CPWD latest Civil and Electrical Specification
- (viii) IS Codes
- (ix) International Codes
- (x) Best Engineering Practice.

3 Steel

- (i) Steel to be issued as stated elsewhere in the contract shall be for reinforcement bars for RCC work. For all other items of steel work the contractor shall procure the same.
- (ii) Reinforcement bars for RCC work will be issued in available coils and straight lengths. No claim for straightening the bars whatsoever shall be entertained.
- (iii) Issue of steel of diameters above 10 mm dia will be regulated on sectional weight basis, weight being calculated with the help of the standard sectional weights as given in the CPWD latest specifications for conversion of length to weight. However, for bars upto and including 10 mm dia the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued \$hall be modified to take into account the variations between the actual and the standard coefficient and the contractor's account will be debited by the cost of this modified quantity only.
- (iv) For theoretical consumption of steel, reinforcement bars will be balanced diameter wise for the purpose of penal recovery as envisaged in the contract.

4 Cement

Cement to be issued as stated elsewhere in the contract shall be only for site work. For factory made products such as Pre-cast tiles, Hollow concrete blocks, RCC pipes etc. cement shall not be issued.

5

Unless otherwise provided in the schedule of quantities the rates tendered by the contractor shall apply for all heights, lifts, leads and depths of the work and nothing extra shall be payable on this account.

6

The surplus excavated earth which is beyond the requirement of the Employer's work may be allowed by the Employer to be disposed off by the contractor on his own or sell the surplus excavated earth to private parties at his discretion but nothing extra will be paid for the carriage or disposal of surplus earth if the same is not required for any other work of the Employer.

ADDITIONAL CONDITIONS:

- The structural and architectural drawings shall at all time be properly correlated before executing any work. However, is case of any discrepancy in the item given in the schedule of quantities appended with the tender and drawings relating to the relevant item the former shall prevail unless and otherwise given in writing by the Engineer.
- No payment shall be made to the contractor for any damage caused by rainfall, floods or any other natural cause whatsoever during the execution of work. The damage to work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
- 3 All materials used shall be as per specifications and ISI marked wherever applicable. ISI marking referred relates to latest BIS code as published by Bureau of Indian Standards up to 30 days before the date of opening the tender.
- The contractor shall give a performance test of the entire installation(s) as per standard specifications and/ or as directed by the Engineer and will also submit. Test certificates as are required by Municipal. Electrical authority or another authority. Nothing extra shall be payable for the same other than the fees paid to such authorities which shall be reimbursed on production of receipts
- 5 The contractor must have an up to date contractor's license for electrical works.
- The contractor should have a regular supervisor having electrical supervisory license, wireman license, labour license, etc.
- The contractor should go through the conditions of contract before filling up the tender
- The Contractors are to submit the time schedule / Bar chart for completing the job.



CSIR-NORTH-EAST INSTITUTE OF SCIENCE AND TECHNOLOGY: JORHAT

(Council of Scientific and Industrial Research)

Name of Work: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works.

DETAIL STATUS OF THE FIRM

1	Name of the Contractor/Firm		
2	Registration No.		
3	Valid upto		
4	License No. Issued by Labour Deptt.		
5	Valid up to		
6	Earnest Money Deposited		No
7	Experience	*	
		*	
		*	
		*	
			Signature of Contractor
			With Rubber Stamp

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works **SCHEDULE OF QUANTITES**

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
1	Cutting and clearing bushes consisting of plants and all sorts of bamboos including uprooting and removing as necessary and filling up the holes with earth, dressing, ramming etc. complete.	Sqm	2220.00			
2	Raising low site around the building with approved soil obtained from outside by truck carriage including breaking clods, dressing etc. complete including paying necessary forest royalty, sales tax, land compensation, municipal gate fees, if any monopoly duty etc. (profile measurement to be taken and 12.5% deduction for shrinkage to be made from total quantity) etc. complete as directed and specified.(b) Other than Guwahati city	Cum	2220.00			
3	Earthwork in excavation for foundation trenches of walls, retaining walls, footings of column, steps, septic tank etc. including refilling (return filling) the quantity as necessary after completion of work, breaking clods in return filling, dressing, watering and ramming etc. and removal of surplus earth with all lead and lifts as directed and specified in the following classification of soils including bailing out water where necessary as directed and specified.(A) Up to a depth of 2.00m below the existing ground level.(a) In ordinary soil	Cum	1266.39			
4	Providing soling in foundation and under floor with stone/ best quality picked jhama brick, sand packed and laid to level and in panel after preparing the sub grade as directed including all labour and materials and if necessary dewatering, complete.(a).Brick on flat soling.	Sqm	942.27			
5	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).(a) In prop 1cement: 3 sand :6 coarse aggregate by volume	Cum	128.76			

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works

SCHEDULE OF QUANTITES

CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
6	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm downgraded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) (I) Using Mixer Machine (A) In substructure up to plinth level Foundation, footing, columns with base tie and plinth beam, pile cap, base slab, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to plinth level. N) Without using admixture, plasticizer c) M25 grade concrete.	Cum	243.71			
7	Providing and laying plain/reinforced cement concrete works cement, coarse sand & 20mm downgraded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately) (I) Using Mixer Machine (B) In super structure from plinth level up to 1st floor level. N) Without using admixture, plasticizer c) M25 grade concrete	Cum	146.03			
8	Supplying, fitting and fixing in position reinforcement bars conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (No extra measurement for lap, hook, chair, anchor etc. will be entertained in the measurement as they are included in the rate) (Up to 1st floor level) a) From Primary Producer: TATA/SAIL/Esser Steel/ Jindal steel/Shyam steel/RINL (i) TMT Corrosion resistant steel (CRS) reinforcement bar	QtI	369.51			

Sub Total Rs.

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works.

SCHEDULE OF QUANTITES

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
9	Providing form work of ordinary timber planking so as to give a rough finish including centering, shuttering, strutting and propping etc., height of propping and centering below supporting floor to ceiling not exceeding 4.0M and removal of the same for in-situ reinforced concrete and plain concrete work in:(b) Using 25mm thick plank Foundation, footings, bases of columns, pile cap, raft and mass concrete works etc.(b) Using 25mm thick plank	Sqm	1793.76			
10	Columns, Pillars, Posts & Strut (a) Square, Rectangular, polygonal in plan or any shape like Tee/L etc. having plane vertical face (i) Using 38mm thick plank	Sqm	849.52			
11	Brick work in cement mortar with 1st class brick including racking out joints and curing complete as directed (II) In superstructure above plinth level up to 1st floor level.(b) In proportion 1:4.(1 cement:4 sand)	Cum	327.08			
12	Rough cast plaster up to 10.00 mtr height above ground level with a mixer of sand and gravel or crushed stone from 6 mm to 10 mm nominal size, dashed over and including the fresh plaster in two layers, under layer 12 mm cement plaster 1:4 and top layer 10mm cement plaster 1:3 mixed with 10% fine grounded hydrated lime by volume of cement .13.19.1 ordinary cement finish using ordinary cement.	Sqm	1017.75			
13	20 mm thick Cement plaster in two coats on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even with neat cement slurry and smooth including curing complete as directed. B) On fair side (backing coat 10 mm and finishing coat 10mm thick) a) In cement mortar 1:3	Sqm	2450.88			

Sub total Rs.

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works.

SCHEDULE OF QUANTITES

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
14	Kota-stone slab flooring of 18 mm thick over 20mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	Sqm	232.36			
15	Providing, fitting and fixing M.S. Grill of required pattern made of M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws. I Ornamental grill (c) Fixed to Brickwork/P.C.C/R.C.C.	Kg	19867.03			
16	Applying primary coat over new steel and other metal surface over 100m in width or girth after preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper. a). With ready mixed "red-lead/ red oxide" primer.	Sqm	1221.00			
17	Painting two coats (excluding priming coat) on new steel and other metal surface with aluminum paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) and brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter	Sqm	1221.00			
18	Supplying and laying of permanent wall finish for interior and exterior walls with surface coating of Heritage Surface Texture of Bakelite Hylam Limited for all types of buildings at all levels as specified and directed by the department. (i) Granite Finish (Code: HFG)	Sqm	275.28			
19	Applying one self-priming coat of acrylic emulsion coating of Unicem "Rakshak" brand by thinning 1ltrs of paints with 1ltrs of water over freshly plastered wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth as specified and directed by the department.	Sqm	1497.76			

CSIR-NORTH EAST INSTITUTE OF SCIENCE & TECHNOLOGY

(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH) Jorhat Assam 785 006

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works.

SCHEDULE OF QUANTITES

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
20	Finishing wall with two coats of acrylic emulsion exterior coatings of Unicem "Rakshak" brand of required shade by thinning 1ltr. of paint with 750ml of water to give an even shade after throughly brooming the surfaces to remove all dirt and remains of loose powdered materials as specified and directed by the department.	Sqm	1497.76			
21	Supplying, installation, testing and commissioning of fabricated G.I.tubular light pole (i)Pole height 20 mtr from GL. (ii)G.I. pipe 6" dia (Jindal make heavy quality): 2 mtrs (bottom portion) (iii) G.I. pipe 5" dia (Jindal make medium quality): 2 mtrs (middle portion) (iv) G.I. pipe 4" dia (Jindal make medium quality): 2 mtrs (top portion) (v) G.I. pipe 4" dia (Jindal make medium quality): 0.40 mtrs (top cover enclosure where light carrying arms will be welded) (vi)14 "x14"x12 mm thick MS base plate complete with 4 nos 20 mm dia 2 feet length nut & bolts. (vii) 1.5 inch dia 0.75 mtr length GI pipe light carrying arms complete with all necessary bend (120 deg) etc. 3 nos (2 in parallel and 1 in front at the top cover enclosure of the pole. (viii)16"x16"x5 feet size concrete RCC pillar in cubic shape complete with plaster and painting. (ix) 12" x 6" x 5 "size PVC cable junction box (Hensel make) complete with MCB mounting rail including 10A SPN MCB:1No. (X) 1.5 inch ia GI pipe (Jindal make medium quality) -3 mtrs (for pole earthling provision for UG cable enclosure from GL to Junction box) (xi) 8 SWG GI conductor for earthling the pole and making PCC earthling pit with C.I. top cover as required. (xii) Painting with two coats red oxide primer and 2 coats rain proof silver paint.	Each	41.00			

Sub Total Rs.

NAME OF WORK: Construction of Boundary wall of Main and Cinamara campus of CSIR-NEIST, Jorhat i/c Electrical works

SCHEDULE OF QUANTITES

SI. No	Description of Item	Unit	Qty	Rate in Figure	Rate in Words	Amount
22	Supplying, installation, testing and commissioning of 1x 60watt LED (6K) aluminium casting IP-66 outdoor light complete with control driver and all necessary connections as required. Havells Endura cityliner Neo make.	Each	123.00			
23	Supplying and laying of 2 x16 sq.mm size PVC insulated and sheathed 11 KV grade alluminium strained armoured underground cable laid in ground/partially in air including excavation of cable trench up to 75 cm depth refilling ,protecting brick covering, sand cushion etc complete handling surplus soil in proper place and proper size of cable lug. Cable arrow mark as specified and directed by the department (Havells/Finolex/Polycab make)	Mtr.	850.00			
24	Supplying and drawing 2 x 2.5 sq. mm + earth continuity with 1.5 sq. mm single core PVC insulated unsheathed copper wire in 20 mm dia 2 mm thick rigid PVC conduit complete with all necessary saddle and base as required and directed by department.	Mtr.	870.00			
25	Shifting and re-installation of existing street light panel board and other ancillary works.	LS	LS			

Grand Total Rs.

Rupees	() Only
NB:	1.	Rate must be quoted both in word and figure.
	2.	.All work will be executed as per CPWD's norms.

(Signature the of Contractor)