



भारत सरकार
Government of India
केन्द्रीय जल आयोग
Central water Commission
मध्य ब्रह्मपुत्र मण्डल
Middle Brahmaputra Division

सं : No. 6/31/NIQ-HQ/2017/ 4124-30

दिनांक: 14/12/2017

निविदा आमंत्रण सूचना/NOTICE INVITING TENDER

For and on behalf of the president of india, sealed Tender in item wise rate are hereby invited by the undersigned from the bona fide eligible contractors registered with CPWD, Railway, MES, P & T (Civil) and state PWD/Govt. Undertakings for the below mentioned work under Middle Brahmaputra Division, Central Water Commission, Guwahati on or before **26.12.17**. The tender will be opened on **27.12.17 at 15:30 hrs**. Interested Tenderers may participate in the bid opening.

1.	Name of Work	Repairing and painting works of office building at Sonapur site, Sonapur 2017-18
2.	Estimated amount (approx)	Rs. 102000/- (Rupees One lakh two thousand only)
3.	Earnest Money Deposit	2% of Estimated Cost i.e. Rs.2000/- (Rupees Two thousand only) by Demand Draft in favour of Executive Engineer, M. B. Division, CWC, Guwahati payable at SBI, Guwahati.
4.	Security Deposit	5% or as applicable, security deposit will be deducted from the running and final bills and the said amount will be released after expiry of six months from the date of completion of the work subject to satisfying the applicable terms & condition.
5.	Cost of NIT Form	Rs.500/- Non refundable and Non transferable, by Demand Draft only in favour of Executive Engineer, M. B. Division, CWC, Guwahati payable at SBI, Guwahati.
6.	Date of Sale of NIT	The NIT forms can be purchased from the office of the Executive Engineer, M. B. Division, CWC, Guwahati from 16.12.17 to 23.12.17 between 11:00 hrs to 16:00 hrs on all working days. In case tender form is downloaded, DD of Rs.500/- should be attached with the tender document, else the tender will not be accepted
7.	Last Date of Receipt of NIT	26.12.17 up to 16:00 hrs
8.	Date of Opening of NIT	27.12.17 at 15:30 hrs at office of Executive Engineer, M. B. Division, CWC, Guwahati
9.	Time for Completion of Work	30 (Thirty) days from date of issue of work order/as specified in CPWD-6.


(Executive Engineer)
For and on behalf of President of India)

Copy forwarded with request to make publicity by displaying the enclosed N.I.T on Notice Board to :-

1. Superintending Engineer, H.O. Circle, CWC, Guwahati-14 for information.
2. Sub-Divisional Engineer, P.P. Sub-Division, CWC, Jail Road, Milanpur, Nalbari-781337
3. Sub-Divisional Engineer, M.B. Sub-Division, CWC, Guwahati
4. Sub-Divisional Engineer, Barak. Sub-Division, CWC, Panchayat road, Tikarbosti, Silchar-788004
5. Accounts Branch, M.B. Division, CWC, Guwahati.
6. Notice Board, M.B. Division, CWC, Guwahati.
7. Website www.eprocure.gov.in/ CWC website www.cwc.nic.in

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION
NOTICE INVITING TENDER

1. Items rate/percentage rate tenders are invited on behalf of the President of India from approved and eligible contractors of C.P.W.D and those of appropriate list of Department of Telecommunications, MES, Railways and State P.W.D. for the works "Repairing and painting works of office building at Sonapur site, Sonapur during 2016-17"
- 1.1 This estimate, however, is given merely as a rough guide.
- 1.2 Tenders will be issued to eligible C.P.W.D as well as non C. P. W. D contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:

Criteria of eligibility for issue of tender documents

- 1.3 Conditions for NON CPWD contractors only:
 - 1.3.1 For works estimated to cost above Rs. 25 lakhs but up to Rs. 2 crores Three similar works each costing not less than Rs. _____ lacs during the last 5 years.
 - 1.3.2 For works estimated to cost above Rs. 2 crores but up to Rs. 5 crores Three similar works each of value 40% of estimated cost or one work of 100% estimated cost (rounded off to nearest 10 lakhs) in the last 7 years ending last day of the month previous to the one in which the tenders are invited.
- 1.4 Conditions for CPWD as well as NON CPWD contractors.
 - 1.4.1 For works estimated to cost above Rs. 5 crores Tenders shall be invited from pre-qualified contractors only

For the purpose of this clause 'similar work' means the works of-X

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 which is available in Govt. of India Publications. 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 30 (thirty) days from the seventh day 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 for the work is available.

OR

5. The site for the work shall be made available in parts as specified below:-
Receipt of applications for issue of forms will be stopped by 1600 hrs four days before the date fixed for opening of tenders. Issue of tender forms will be stopped three days before the date fixed for opening of tenders.

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, Middle Brahmaputra Division, Central Water commission, Guwahati-781014 between hours of 11.00 A.M. & 04.00 P.M. every day except on Sundays and Public Holidays.** Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of Rs.500/- in by Demand Draft only. In case tender form is downloaded, DD of Rs.500/- should be attached with the tender document, else the tender will not be accepted.

6. The tenderer must produce an Income-Tax clearance certificate in the revised form as modified under Ministry of Finance O.M.No.67/30/69/ITAL dated 02.07.1970 as amended from time to time and other relevant documents before tender papers can be sold to him.
7. 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 this office up to 04.00 P.M. on 26.12.17 and will be opened by him or his authorized representative in his office on 27.12.17 at 15:30hrs
- 8.1 The tender shall be accompanied by earnest money (unless exempted), of Rs.2000/-Treasury Challan/ Deposit at Call receipt of a Scheduled Bank/Fixed Deposit Receipt of a Scheduled Bank/ Demand Draft

of a Scheduled Bank issued in favour of Executive Engineer, Middle Brahmaputra Division, Central Water commission or as per provision of CPWD manual. The fixed Deposit Receipt shall be accepted only if it is valid for six months or more after the last date of receipt of tenders and is pledged in favour of Executive Engineer, Middle Brahmaputra Division, Central Water commission. A contractor exempted from depositing earnest money in individual cases, shall enclose with the tender an attested copy of the letter exempting him and shall produce the original when called upon to do so.

- 8.2 The tender and the earnest money shall be placed in separate sealed envelopes each marked "Tender" and "Earnest Money" respectively. Both the envelopes shall be submitted together in another sealed envelope. The envelope marked "Tender" of only those tenderers shall be opened, whose earnest money placed in the other envelope is found to be in order.
- 9 The description of the work as follows: As per the schedule of work
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 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.
10. The competent authority on behalf of President of India does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the Assignment of a reason. All tenders, in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.
11. 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.
12. 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.
13. 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 Assistant 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.
14. 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.
15. The tender for the works shall remain open for acceptance for a period of thirty days from the date of opening of tenders. If any tenderer withdraws his tender before said period 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.
16. 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 C.P.W.D Form 7/8


Signature of Divisional Officer/~~Sub-D~~ Divisional Officer
For & on behalf of President of India

GOVERNMENT OF INDIA
CENTRAL WATER COMMISSION

CPWD - 7/8

STATE : - Central

BRANCH: - CWC

ZONE: -

CIRCLE:-

DIVISION:-

SUB-DIVISION:-

H. O. Circle, Guwahati

M. B. Division, Guwahati

MBSD, CWC, Guwahati

Percentage Rate Tender / Item Rate Tender & Contract for Works
Tender for the work of:- Repairing and painting works of office building at Sonapur site, Sonapur 2017-18
(A)

- (i) To be submitted by 16:00 hours on 26.12.17 to Executive Engineer, M B Division, CWC, Guwahati
(ii) To be opened in presence of tenderers who may be present at 15.30 Hours on 27.12.17 in the office of Executive Engineer, M B Division, CWC, Guwahati

Issued to _____
(Contractor)

Signature of officer issuing the documents _____

Designation _____ date of Issue _____

TENDER

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 of 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 thirty/sixty/ninety (30/60/90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of Rs. _____ has been deposited in cash/Receipt Treasury Challan/Deposit at call receipt of scheduled bank/fixed deposit receipt of scheduled bank/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 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, up to 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.

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 information/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.

Dated _____

Signature of Contractor

Postal Address

Clause 2

Authority for fixing
Compensation under clause 2

Clause 5

Time allowed for execution of work

30 Days from date of issue of work order/as specified in
CPWD-6

Authority to give fair and reasonable
Extension of time for completion of work

as applicable in CPWD works manual

MILE STONES

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			
3			
4			
5			

OR

Sl. No.	Financial Progress Milestone (Physical)	Time allowed (from date of start)	Amount to be with-held in case of non achievement of milestone.
1	20%	1/4 th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each mile stone
2	70%	1/2 (-do-)	
3	90%	3/4th(-do-)	
4	Full	Full	

Clause 7

Gross work to be done together with net
Payment/adjustment of advances for
material Collected, if any, since the last
such payment for being eligible to interim
payment

Clause

Specifications to the followed for
Execution of work

Clause 12

12.2 & 12.3 Deviation limit beyond which
clause 12.2 & 12.3 shall apply
for building work.....

12.5 Deviation limit beyond which
clause 12.2 & 12.3 shall apply
for foundation work.....

NOTE – Deviation limit shall be 30%, 50%, 100% as per O. M. No. DGW/CON/82
Dated 20.04.95

Clause 16

Competent Authority for
Deciding reduced rates

as applicable in CPWD works manual

Sub-standard work must be got rectified and if necessary may be redone. Acceptance of sub-standard work at reduced rates should be done only under exceptional circumstances. Total value of items at agreement rate for

which the Superintending Engineer accept sub-standard work in a contract shall not exceed 5% of the value.

Clause 36

Minimum Qualifications & Experience required for Principal Technical Representative.

- (a) For works with estimated cost put to tender more than
- (i) Rs. 10 lakhs for Civil work
 - (ii) Rs. 5 lakhs for Elec/Mech works
- (b) For works with estimated cost put to tender
- (i) More than Rs. 5 lakhs but less
 - (ii) More than Rs. 1 lakh but less than Rs. 5 lakh for Elect/Mech works
 - (iii) Discipline to which the Principal Technical Representative should belong
 - (iv) Minimum experience of works
- Graduate or retired AE possessing at least recognized diploma.
- Recognised Diploma holder
Recognised Diploma holder
- Civil / Elect. / Mech.
- _____ years

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be mad 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

v) Recovery to be affected from the contractor in the event of fulfilling provision of clause

Clause 42

- (i) (a) Schedule / statement for determining Theoretical quantity of cement & bitumen on the basis of Delhi schedule of Rates printed by C.P.W.D.
- (ii) Cement for works with estimated cost 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 for all works 2.5% plus only & nil on minus side
- (c) Steel Reinforcement and structural steel 2% plus/minus
- Sections for each diameter, section And category
- (d) All other materials Nil

ACCEPTANCE

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 the contract Agreement:

i)

ii)

iii)

Dated _____

For & on behalf of the President of India

Signature _____

Designation _____

SCHEDULE

Schedule 'A'

Schedule of quantities (Enclosed)

SCHEDULE 'B'

Schedule of materials to be issued to the contractor- Not applicable

Sl. No.	Description of item	Quantity	Rates in figures & words at which the materials will be charged to the contractor	Place of issue
1	2	3	4	5

SCHEDULE 'C'

Tools and plants to be hired to the contractor- Not applicable

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

SCHEDULE 'D'

Extra schedule for specific requirements/documents to the work, if any-

SCHEDULE 'E'

Schedule of component of Materials, Labour etc. for escalation-
CLAUSE 10 CC

Component of materials expressed as percent of total value of work

'X' %

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' %

SCHEDULE 'F'

Reference to General Conditions of contract-

Estimated cost of work	Rs.102000/-
Earnest money	Rs.2000/-
Performance Guarantee	5% of tender value and will be adjusted/refunded as per provisions in CPWD manual
Security Deposit	As applicable
General inviting tender	
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clause 12.2 & 12.3	See below
1. (i) Engineer-in-Charge	As applicable
2. (vii) Accepting Authority	As applicable
2(x) Percentage on cost of materials and labour to cover all overheads and profits	10%
2. (xi) Standard schedule of Rates	
3. (xiii) Standard CPWD contract Form CPWD form 7/8 as modified & corrected up to	

SCHEDULE OF QUANTITIES

Name of work: - Repairing and painting works of office building at Sonapur site, Sonapur 2017-18

Sl. No	Sub-heads and item of work	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Dismantling and removing the existing door and window frame (chowkath) both wooden and steel of different sizes without damaging the walls and removing the frame and necessary repairs to the edges of the walls as directed for all levels. (i) Area of door/window up to 3.00 m ²	Each	2		
2	Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. (b) With 1st class timber (Bonsum/ Sundi)	Cum	0.084		
3	Providing, fitting and fixing fully glazed window with sash bars including oxidised M.S butt hinges (75mmx60mmx3.15mm) 2nos.on each leaf and 3 nos. on single leaf (glass panes to be measured and paid separately). C) With 1st class local wood. (i) 40mm thick	Sq.m	2.70		
4	Providing and fixing clear sheet glass bedded in putty and fixed with/without wooden bidding including necessary cutting and glass to be required sized(payment for wooden bead shall be made separately). (2). Area of glass panes exceeding 0.15m ² but not exceeding 0.52m ² . (b). 4.00mm thick.	Sq.m	1.50		
5	10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed. b) In cement mortar 1:4	sqm	15.43		

6	Finishing old/ new wall with water proofing weather coat smooth anti-fungal exterior painting of Nerolac Paints Limited of required shade on old/ new wall surface to give an even shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats). (Outer wall)	Sqm	104.92		
7	DISTEMPERING h). Distempering with dry distemper of approved brand and manufacture (one coat) and of required shade on old wall surface to give an even shade, after thoroughly brushing the surface clean of all grease, dirt, loose pieces of scales including preparing surface even and sand papered smooth. (Inner wall)	Sqm	169.59		
8	Painting one coat (excluding priming coat) on old wood and wood based surfaces with enamel paint to give an even shade including cleaning the surface of all dirt, dust and other foreign matter sand papering and stopping. (i). Surfaces over 100mm in width or girth. a) General Purpose (Asian paint/Berger paint/ICI paint/J&N paint/Nerolac)	Sqm	72.66		
9	Painting one coats on old G.C.I sheets with ready mixed anticorrosive paint of approved brand and shade suitable for painting over G.C.I sheets to give an even shade including the cleaning the rust patches with emery paper, dust, dirt, grease and other foreign matter with water complete.	sqm	137.89		
10	Wall painting (two coats) with acrylic emulsion paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth. (for ceiling)	sqm	99.07		
11	Extra over item no 13.4.1 above for painting with acrylic emulsion paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) on ceiling and on sloping roof. (i). Acrylic Emulsion Paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	sqm	99.07		

12	Painting one coat (excluding priming coat) on previously painted steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter. (i).Surfaces over 100mm in width or girth. a). General purpose (Asian paint/ Berger paint/ ICI paint/ J & N paint/ Nerolac)	Sqm	22.42		
13	Demolishing CC floors of various thickness including top layer and base course and disposal of debris as directed for all levels.	cum	1.33		
14	Cement concrete works in topping 1:1:2 (1cement :1sand :2 graded aggregates on R.C.C floor, tread and rise of steps finished with a floating coat of neat cement using cement slurry for bond @ 2.75 kg.of cement per sq. m. of floor to be laid in panels including curing complete as directed. (a) 15 mm thick	Sqm	85.31		
15	Providing 13 mm mesh hexagonal wire net made of one I.S. designation (1mm dia) wire above post plate in eaves with 1st class Hollock/Bonsum/ Sundi timber frame to fit exactly with the corrugation of roofing sheet including kiricide oiling two coats to timber works complete as directed.	Sqm	32.10		
16	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: Flat Surfaces such as soffits of suspended floors, roofs, landings, cantilever slabs, chajjas, balconies and the like. (a) Floors etc. upto 200mm in thickness. (ii) Using 25mm thick plank.	Sqm	2.16		
17	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) . (B) In super structure from plinth level up to 1st floor level. i) Walls (thickness not less than 100mm) including attached pilasters, buttresses, plinth and string course etc. N) Without using admixture, plasticiser. a) M15 grade	cum	0.26		

	concrete or Prop. 1:2:4.				
18	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) (Upto 1st floor level) . a) From Primary Producer: TATA/SAIL/Essex Steel/ Jindal steel/Shyam steel/RINL. (i) TMT Corrosion resistant steel (CRS) 10mm tor :	Qntl	0.388		
19	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. (2) 600mm x 900mm and above	sqm	2.58		
20	1st class brick nogged wall in cement mortar including racking out joints and curing complete as directed in super structure above plinth up to 1st floor level (protruding M.S rod/Tor steel of column to be embedded in cement mortar and will be measured and paid separately). (A) 112mm thick brick wall. (a) In cement mortar in proportion 1:4 (1 cement:4 sand)	Sqm	2.88		
	Total =				

Signature of the contractor/Firm with Seal