

**OFFICE OF THE EXECUTIVE ENGINEER  
SOUTH EASTERN DIVISION NO.5:DDA  
SARITA VIHAR ; NEW DELHI.**

**PRESS TENDER NOTICE**

Sealed item rate tenders are invited for the following works on behalf of DDA from the approved contractors of appropriate class of DDA, CPWD, Railways, MES (Civil works) and Civil Wing of P&T, Department on the date mentioned below upto 3.00 PM. which shall be opened on the same day at 3.30 P.M. at Vikas Sadan, Press Building, DDA office, INA, New Delhi by the respective EE in the presence of the contractors, their authorized representatives.

The tender documents can be obtained on any working day from date of publication from the CAU/SEZ/Sale counter Press Building Vikas Sadan, between 11.00 AM to 3.00 PM on payment of cost of tenders (non-refundable) in cash as well as amount of earnest money mentioned against each work on production of valid enlistment certificate of Registration with contract cell of Sale Tax department of GNCTD and the tax clearance certificate on Form XI from CAU/SEZ/ DDA and Centralized Tender Office at Vikas Sadan and a certificate from the contractor that upto date returns have been fixed along with the copies of returns submitted to the Department of Trade & Taxes.

Earnest money should accompany the tender in the form of Call Deposit Receipt or demand draft of schedule bank guarantee by the Reserve Bank of India in favour of AO(CAU)SEZ/DDA. Tender of the contractors who does not enclose the earnest money in the prescribed manner shall be summarily rejected. The Agency Shall submit a performance guarantee of 5% of the tender amount in the form of Govt. Securities or FDR of Guarantee bond of any scheduled Bank S.B.I. within 15 days of issue of letter of award.

Sl. No.	Name & address of Division.	NIT No. Name of work	Estimated Cost	Last dt. Of sale
			Earnest Money	Date of opening
			Cost of Tender	Time allowed.
1.	EE/SED-5/ DDA Sarita Vihar, New Delhi	01/EE/SED-5 /DDA/08-09 C/o Additional accommodation in Chaupol at Balmiki Basti, Kotla Mukarakpur.	Rs.25,92,208/-	
			Rs.51,844/-	
			Rs.500/-	Nine Months

Executive Engineer  
SED-5/DDA

DELHI DEVELOPMENT AUTHORITY  
NOTICE INVITING TENDERS

**Division : SED-5/DDA**

**Sub Div.**

Tenders in the prescribed form are hereby invited on behalf of the Delhi Development Authority for:

**Name of the work:- C/o additional accommodation in Chaupal at Balmiki Basti, Kotla Mubarakpur**

**1. Estimated Cost: Rs.25,92,208/-**

2. Contract document consisting of the detailed plans, complete specifications, schedule of quantities of the various item of work to be done and a set of conditions of contract can be seen/purchased at the C.A.U/SEZ/Sale Counter, Vikas Sadan between 10 a.m. to 3 pm every day except on Sundays and Public holidays.

(a)The site of the work is available.

3 (a) The tenders shall be placed in sealed covers to be issued by the Divisional Officer duly superscripted the name of work, estimated amount day and date of opening and name of contractor to whom the tender document are sold. These tenders will be submitted by the contractor at following locations:

At Vikas Sadan (Ground Floor).

For South East Zone, South West Zone, Rohini Zone and Stores Divisions (Civil work only)

Separate boxes are available for submission of tenders for each day of opening. The contractor should ensure that tenders are placed in the proper boxes fixed and provided for a particular day upto 7(Seven) days in advance (including date of opening during 10 a.m. to 5 p.m. except the date of opening when it will be upon 3.00 p.m. only.

(b) Offer can also be sent by the contractor through Registered Post to the Executive Engineer concerned but such offers must reach atleast one day before the date of opening of tenders.

(c) The tenders should be opened by the concerned Ex. Engineers on the date fixed at 3.30 pm at Vikas Sadan. Only registered contractor or one of their authorized representative (having proper authority on letter head of the contractor) will be allowed to enter into the premises where tenders will be opened.

4. The tender documents consisting of plans, specifications, the schedule of quantities of various clauses of work to be done and the set of terms and conditions of necessary documents can be seen in the office of SWD-5/DDA between hours 11.00 am to 03.00 pm from \_\_\_\_\_ to \_\_\_\_\_ on any working day./ Tender documents will be issued during the above mentioned hours on any working day from the office of the CAU/South East Zone/Divisional Office/Sale Counter of Vikas Sadan in payment of the following amount :

i) Rs.500.00 in cash as cost of tender (non refundable)

ii) Earnest Money of **Rs.51,844/-** in cash/receipt Treasury Challan/Deposits at Call receipt of a scheduled Bank/Fixed Deposit receipt of a scheduled bank/demand draft of a scheduled bank issued in favour of AO/CAU/South East Zone / DDA. When amount of earnest money is more than Rs. 5 Lac part of earnest money is acceptable in the form bank guarantee also in such cases minimum 50% of earnest money (but not less than Rs.5 lac) shall be deposited in the shape as described above and for balance amount of earnest money bank guarantee will be also be acceptable in favour of AO/CAU/South East Zone, DDA.

5. The contractor should quote in figures as well as in word the rate and amount tendered by them. The amount for each item should be worked out and the requisite totals given.

6. When a contractor signs a tender in an Indian language and the total amount tendered in the case of PWD form Nos. 8 and 12 should also be written in the same language. In the case of illiterate contractor the rate/amounts tendered should attested by a witness.

8. Each tender must be submitted in sealed cover addressed to EE/SED-5/DDA, Sarita Vihar, New Delhi. In seal cover and addressed to him.

8. (a) The contractor whose tender is accepted shall execute an agreement of Rs.50/- stamp paper retreating his acceptance of the execution of work on the rate and conditions as set in the contract document.

9. The person/persons, whose tender(s) may be accepted (hereinafter called the contractor) shall permit DDA at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 10% of the gross amount of each running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. Such deductions will be made and held by DDA by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the DDA as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the DDA to make good the deficit.

All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or any sums which may be due to or may become due to the contractor by DDA on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid the contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Engineer-in-charge, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof, the Security Deposit shall be collected from the running bills of the contractor at the rates mentioned above and the Earnest Money if deposited in cash at the time of tenders will be treated a part of the Security Deposit.

(a) Government papers tendered as security will be taken @5% (five percent) below its market price or at its face value, whichever is less. The market price of Government paper would be as ascertained by Divisional Officer at the time of collection of interest and the amount to interest of the extent of deficiency in value of the Government paper will be withheld if necessary.

(b) Government securities will include all forms of securities mentioned in rule 274 of the GFR except fidelity Bonds. This will be subject to the observance of the conditions mentioned under this rule against each form of security.

10. The acceptance of a tender will rest with the competent authority who does not bind himself to accept the lowest tender and reserves to himself the authority to reject tenders liable to be rejected.

11. Canvassing in connection with tenders is strictly prohibited and the tender submitted by the contractor who resorts to canvassing shall be liable to rejection.

12. All rates shall be quoted on the proper form of the tender in figure as well as in words.

13. Item rate tender containing percentage below/above will be summarily rejected.

13.(a) It may please be carefully noted that no condition whatsoever shall be accepted by the department and the contractor is not prepared to execute the work at the terms and conditions contained in the tender documents, he is requested not to tender for this work. It may be noted that if any contractor choose to submit conditional tender inspite of clear direction given above, his tender shall be liable to rejected summarily and his full earnest money shall stand forfeited. He will also be liable for being debarred from tendering in DDA for a period of six months.

13.(b) Monthly payment to the contractor will be made when the gross amount of the work done during the previous months is not less than indicated below:

<b>Amount of contract</b>	<b>Gross value of works since previous Bill should exceed.</b>
Over Rs.10 lacs value	Rs. 25,000/-
Over Rs. 2 Lacs upto Rs.10 Lacs	Rs. 10,000/-
Over Rs.50,000 upto Rs. 2 lacs	Rs. 5,000/-
Over Rs.50,000/-	Rs. 2,500/-

14. On acceptance of the tender the name of the accelerated representative of the contractor who would be responsible for taking instructions from the Engineer-In-Charge shall be communicated to the Engineer-in-Charge.

15. Special care should be taken to write the rats in figures as well as in words and the amount in figures only in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figure the word Rs..... should be written before the figure of Rupees and “P” after the decimal figure e.g. Rs. 2.15P and in case of words the words Rupees the word Rupees should be precede and the word paise should be written at the end. Unless the rate is in whole Rupees and followed by the word only it should in variably be in two decimal places.

16. Delhi Development Authority does not bind itself to accept the lowest or any tender and reserves to itself of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at same at the rate quoted.
17. Sales Tax if any or any other tax and cess duty on material in respect of this contract shall be payable by the contractor and DDA will not entertain any claim whatsoever in this respect.
18. A contractor must produce valid certificate of Registration with works contracts call of sales tax department of GNCTD & the tax clearance certificate in form XI (under rule 8(2) of Delhi Sales Tax of Works contract rule 1999) issued by the said call before the tender papers can be sold be him.
19. A Contractor shall not be permitted to tender for works in the DDA Zone responsible for award and execution of contracts) in which any of his near relatives is posted as Divisional Accountant or as an officer in any capacity between the grades of CE and JE (both inclusive) in the DDA. He shall intimate the name of his near relations, if, any, who are working as Gr. A,B or C officers in DDA. He shall also intimate the names of the persons who are working with him in any capacity or who are subsequently employed by him and who are near relatives of any Groups A,B or C officers in the DDA. Any breach of this condition by the contractor would render him liable to action under clause 3 of the agreement. In addition, he would also be liable to be debarred from rendering in future.
20. The contractor shall give a list of non gazetted DDA employees related to him.
21. No Engineer or Gazetted rank or other Gazetted Officer employed in Engineering of Administrative duties in an Engineering Department of the Govt. of India/Delhi Development Authority is allowed to work as contractor for a period of two years of his retirement from Govt. Service/Delhi Development Authority. This contract is liable to be cancelled if either the contractor or any of his employees are found at any time to be such a person who had not obtained the permission of the Govt. of India/Delhi Development Authority as aforesaid before submission of the tender or engagement in the contractor's service. The Engineering Department of Govt. of India includes the Engineering Department of DDA, CPWD, MES, P&T, NDMC, MCD, DWS&SD.
22. The tender for 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 whichever earlier or makes any modification in the terms and conditions of the tender which are not acceptable to the Department then the DDA shall without prejudice to any other right or remedy be at liberty to forfeit 50% of the said earnest money as aforesaid.

23. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered for the same work. Failure to observe this condition would render the tender of the contractor tendering as well as witnessing the tender liable to summarily rejection.
24. Approved and eligible contractors of CPWD and those of appropriate class of DDA P&T Civil Wings and MES are also eligible to tender.
25. The facility of exemption from depositing the earnest money by virtue of executing the bond was withdrawn w.e.f. 20.12.1989 and all the bond stands cancelled from this date. Each intending tenderer has to deposit the required earnest money with individual tenders as mentioned in para-8.
26. While quoting the rate in schedule of quantities the work only should be written closely, following the amount and it should not be written in the next line.
27. The tender for the composite work includes the building portion, sanitary, water supply and drainage work.
28. The tenderer apart from being a class IB&R Contractor, must associate himself with agencies of the appropriate class which are eligible to tender for Sanitary and water supply installation.
29. The contractor shall submit the list of work which are in hand (progress).

PERFORMA FOR CLAUSE – 29

Name of work	Name and particulars of division where the work is being executed	Amount of work	Position of work in progress	Remarks

30. The tenderer shall inspect and study the drawings referred to in the tender documents in the office of the Executive Engineer before and for the purpose of submitting the tender.

30A. In the case of item rate tender invited on form PWD-8 the contractor should quote his rates only in one language, i.e. either in Hindi or English. Rates should be quoted in figures as well as in word. In case a contractor has quoted rates in both the languages and the rates so quoted differ or the rate quoted in words and figure differ, then the lowest rates quoted by the contractor shall be treated as the rate quoted by the contractor.

31. That only scaled tenders in the envelop duly prescribed name of work, date of opening and the name of division shall only considered and accepted. Envelop shall be given along with the tender by the tender clerk at Sale counter.

32. It has further been observed by CTE that in particular tender the contractor did not quote rate for a particular item. However, as per tender condition, tender in which any of the prescribed conditions are not fulfilled or incomplete in any respect, such tender are liable to be rejected. Instead or rejecting such incomplete tender or adopting "Nil" rate where contractor did not quote, justified rate observed to have been paid to the contractor, thus extending undue benefit to the contractor.

Therefore, it is enjoined upon all concerned that the tender in which any of the prescribed conditions are not fulfilled and/or the tender which is incomplete in any respect, shall be rejected. Wherever the contractor has not mentioned any rate against any item(s), the rates against such item(s) shall be treated as 'Nil' for evaluation/ execution purpose.



## ADDITIONAL CLAUSE

### 1. Cases of withdrawal of offer

### Action to be taken

(i) If the contractors modifies/withdraw their offer within 90 days of quoting the rates.

The earnest money deposited by the contractor shall be forfeited 50% of earnest money.

(ii) If the contractor withdraw his offer immediately after the award of work.

The earnest money deposited by the contractor shall be forfeited absolutely.

(iii) If the contractor/agency with draw his offer after award of work after taking over.

It is deemed that the contractor has entered into contract and the action under clause 2 & 3 of the agreement i.e. taking up work at the risk and cost of the contractor and to penalize the contractor for not completing the work within the stipulated period will be taken against the contractor if he abandons the site after taking over the possessions of the site from the Engineer-in-charge. For taking action under clause 2 & 3 the only documentary proof required will be the documents showing signature of contractor or his authorized representative for taking over the possessions of site. It is further clarified that action under clause 2 & 3 of the agreement is attracted even through the contractor fails to sign the agreement of Rs.50/- non-judicial stamp paper but do not start the work from the tenth day after the date on which the order to commence

(iv) The quotation of the work/supply shall remain open for a period of 60 days from the date of opening of quotation. The DDA shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money if any quotationer withdraws this quotation before the said period or makes any modification in the terms and conditions of the offer which are not acceptable to the department and to forfeit the whole of the earnest money if the quotationer whose quotation is accepted fails to commence the work/supply specify in the NIT along with changes in the scope if any) in the prescribed time or abandons the work/supply before its completion.

the work is issued to contractor. The date of start of the work will be considered as date of taking over the possession of site. In case of tender for supply of material the documentary proof for start of work will be the submission of samples for approval to Engineer-in-charge i.e. in case the supply order is given to the contractor and if he fails to supply the material or submit the samples of Engineer-in-chief, then the action to be taken against the contractor is only the forfeiture of earnest money and if he submit the samples for supply and thereafter abandons the work of fails to supply the materials then action under clause 2 & 3 is attracted.

Signature of ..... Divisional Officer

For and behalf of ..... DDA

Dt. New Delhi .....2008

Copy forwarded to:

1. The Secretary, Contractor's Association, Vikas Kuteer, DDA & Central PWD "Y" shape building I.P. Estate, New Delhi. The receipt of this notice may please be acknowledged under seal of Association's Office.
2. The all SES Circle No..... DDA, New Delhi.
3. The all EEs, Division No..... DDA, New Delhi.
4. Notice Board, Chief Engineer's New Delhi
5. Divisional Accountant, Division No..... DDA, New Delhi-6
6. Asst. Engineer, Sub Divn. No..... Division No..... DDA, New Delhi
7. Head Clerk for recording a copy in the work file.
8. Director (System), DDA for displaying the NIT on DDA website.

Executive Engineer  
SED-5/DDA

## **SCHEDULE OF QUANTITY**

**Name of work: C/o Additional Accommodation in Chaupal at Balmiki Basti, Kotla Mubarakpur.**

Item.	Description of Item	Qty	Unit	Rate	Amount (Rs.)
	<b>EARTH WORK</b>				
1.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 mt. in width or 10 sqm. on plan) i/c dressing of sides and ramming of bottoms lift upto 1.5m i/c getting out the excavated soil and disposal of surplus soil as directed within a lead of 50m a) All kinds of soil.	81.00 Cum	Cum		
1.2	Filling available excavated earth (excluding rock) in trenches sides of foundations etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering lead up to 50m and lift up to 1.5 m.	27.00 Cum	Cum		
1.3.	Excavating trenches of required width for pipes cables etc. i/c excavation for sockets and dressing of sides ramming of bottoms depth up to 1.5m i/c getting out the excavated material, returning the soil as required in layers not exceeding 20cm in depth including consolidating each deposited layers by ramming watering etc. and disposing of surplus excavated soil as directed within a lead of 50 M a) All kinds of soil i) Pipes cables etc. exceeding 80mm dia but not exceeding 300mm dia.	40.00 Mtr.	Mtr.		

1.4	Supply and filling in plinth with Jamuna sand under floors i/c watering, ramming, consolidating and dressing complete.	23.00 Cum	Cum		
1.	CONCRETE WORK				
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work upto plinth level. a) 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate. 40 mm nominal size	30.788 Cum	Cum		
	b) 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size)	3.00 Cum	Cum		
2.2	Extra for concrete work in superstructure above plinth level upto floor V level or part thereof.	1.00 Cum	Cum		
2.3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns piers, abutments, pillar, posts, struts, buttresses, string or lacing courses, parapets copings, bed blocks, anchor blocks, plain window sills fillets etc. upto floor five level excluding the cost of centering and shuttering and finishing. a) 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size).	2.00 Cum	Cum		
2.4	Providing and laying damp proof coarse 40mm thick with cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 12.5mm nominal size)	14.00 Sqm.	Sqm.		

2.5	Applying a coat of residual petroleum bitumen of penetration 80/100 of approved quality using 1.7 kg. per sq.metr of damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	14.00 Sqm.	Sqm.		
3.	<b>REINFORCED CEMENT CONCRETE</b>				
3.1	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering shuttering, finishing and reinforcement- All work upto plinth level. a) 1: 1½ :3 1 cement: 1½ Coarse sand: 3 graded stone aggregate 20mm nominal size).	9.50 Cum	Cum		
3.2	Reinforcement cement concrete work in walls (any thickness including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts, and struts, etc. upto floor five level excluding the cost of centering, shuttering, finishing and reinforcement  a) 1:1½ :3 (1 cement: 1½ Coarse sand: 3 graded stone aggregate 20mm nominal size)	15.50 Cum	Cum		

3.3	Providing and laying in position machine batched machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including pumping of concrete to site of laying but excluding the cost of centering shuttering finishing and reinforcement including admixtures in recommended portions as per I.S.9103 to accelerate retard setting of concrete improve workability without impairing strength and durability as per direction of Engineer in charge M-25, grade reinforced cement concrete by using 410 kg. Of cement per cum of concrete- All work upto floor V level.	52 Cum	Cum		
3.4	Centering and shuttering including strutting, propping etc. and removal of form for.				
	a) Suspended floors, roofs, landings, balconies and access platform.	312.00 Sqm.	Sqm.		
	b) Lintels, beams plinth beams girders, bressumers and cantilevers.	91.00 Sqm.	Sqm.		
	c) Columns, pillars, piers, Abutments, posts and struts.	207.00 Sqm.	Sqm.		
	d) Stairs (excluding landings) except spiral staircases	29.00 Sqm.	Sqm.		
	e) Weather shade, Chajjas, corbels etc. including edges.	16.00 Sqm.	Sqm.		
	f) Foundation, Footings bases of columns etc. for mass concrete.	25 Sqm.	Sqm		
3.5	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete	9240.00 Kg	Kg		
	a) Cold twisted bars/ Thermo mechanically treated bars.				

4.	<b>BRICK WORK:</b>				
4.1	Brick work with FPS bricks of classes designation 75 in foundation and plinth in: a) Cement mortar 1:6 (1 cement: 6 coarse sand)	23.00 Cum	Cum		
4.2	Brick work with FPS bricks of classes designation 75 in super structure above plinth level upto floor five level in all shapes and sizes in cement mortar a) Cement mortar 1:6 (1 cement:6 coarse sand)	101.00 Cum	Cum		
4.3	Half brick masonry with FPS bricks of class designation 75 in super structure above plinth level upto floor five level. A) Cement mortar 1:4 (1 cement: 4 coarse sand)	33.00 Sqm	Sqm.		
4.4	Brick work with FPS bricks of class designation 75 in cement mortar 1:4 (2 cement: 4 coarse sand) in triangular portion of steps in superstructure with FPS bricks for all floor level.	18.00 Cum	Cum		
4.5	Extra for providing and placing in position 2 Nos. 6mm dia M.S. bars at every third course of half brick masonry (with FPS bricks)	33.00 Sqm.	Sqm.		
5.	<b>WOOD WORK</b>				
5.1	Providing and fixing I.S.I. Marked flush door shutters conforming to I.S:2202 (Part-I) non-decorative type core of block board construction with frame of 1 <sup>st</sup> Class hard wood & well Matched commercial ply veneering with vertical grains or cross bands face veneers on both faces of shutters. i) 35mm including I.S.I. marked stainless steel butt hinges with necessary screws.	19.00 Sqm.	Sqm.		

5.2	Providing and fixing M.S. grills of required pattern in frame of windows etc. with M.S. flats, square or round bars etc. all complete				
	a) Fixed to steel windows by welding	1090.00 Kg.	Kg.		
	b) Fixed to openings/ Wooden frame with rawl plugs screws etc.	83.00 Kg	Kg.		
5.3	Providing and fixing ISI marked oxidized M.S. pressed butt hinges with necessary screws etc. complete a) 100x58x1.90 mm	10.00 Nos.	Each		
5.4	Providing and fixing ISI marked Oxidized M.S. sliding door bolts with nuts and screws etc. complete a) 300x16mm	10.00 Nos.	Each		
5.5	Providing and fixing ISI marked oxidized M.S. tower bolts black finish (Barrel type) with necessary screws etc. complete a) 250x10mm	10.00 Nos	Each		
	b) 150x10mm	10.00 Nos	Each		
5.6	Providing and fixing ISI Marked oxidized M.S. handles conforming to IS: 4992 with necessary screws etc. complete a) 125mm	20.00 Nos	Each		



5.7	Providing and fixing 24 gauge aluminum sheet on flush door shutters on bottom front and back face with necessary cp brass screws 20mm long of 10mm c/c in that area like WC bath and balcony etc. complete as per direction of engineer-in-Charge.	6.00 Sqm.	Sqm.		
6.	STEEL WORK				
6.1	Providing and fixing T-Iron frames for door, windows and ventilators of mild steel tee sections, joints mitred and welded with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10xcm of 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fasteners or with or fixing clips of with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	160 Kg.	Kg.		
6.2	Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. a) In gratings, frames, guard bars, ladders, railing, brackets < gates and similar works.	1377.00 Kg.	Kg.		
6.3	Providing and fixing hand rail by welding etc. to steel ladder railing, Balcony railing & stair case railing including applying a priming coat of approved steel primer. a) M.S. tube	192.00 Kg	Kg		

6.4	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm M.S. gusset plates at the junctions and corners all necessary fittings complete i/c applying a priming coat of approved steel primer using flats 30x6mm for diagonal braces and central cross piece.	2.00 Sqm.	Sqm.		
6.5	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections joints mitered and welded with 15x3 mm lugs 10cm long embedded in C.C. blocks 15x10x10 cm of 1:3;6 (1 cement: 3 coarse sand: 6 graded stone agg. 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws of with fixing clips or with bolts and nuts as required providing and fixing of glass panes with glazing clips and specials metal sash putti of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges of pivots as required. a) Windows fixed	26.00 Sqm	Sqm.		
7.	FLOORING				
7.1	Kota stone slab flooring over 20mm (average) thick base laid over and joined with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement: 4 coarse sand ). a) 25mm thick	118.00 Sqm.	Sqm.		
7.2	Kota stone slab 25mm thick in risers of steps, skirting dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1 cement: 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs including rubbing and polishing complete.	45.00 Sqm.	Sqm.		

7.3	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades laid on 20 .mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete. (a) size of tile 60x60 cm	152 Sqm	Sqm		
7.4	Providing and fixing 1 <sup>st</sup> quality ceramic glazed wall tiles conforming to IS:15622 (thickness to be specified by the manufacturer ) of approved make in al colours shades except burgundy, bottle green black of any size as approved by engineer-in-charge in skirting, riser of steps and dados over 12 mm thick bed of cement mortar 1:3 cement (1 Cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 Kg. Per sqm. Including pointing in white cement mixed with pigment of matching shade complete.	97.00 Sqm.	Sqm.		
7.5	Extra for making nosing in trades of steps of Kota stone/sand stone slab.	78.00 Mtrs.	Mtrs.		
8	<b>ROOFING</b>				
8.1	Making khurras 45x45cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) over PVC sheet 1m x 1m x 400 micron, finished with 12mm cement plaster 1:3 (1 cement: 3 course sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete	5.00 No	Each		

8.2	Providing and fixing on wall face un plasticized rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 Leaving 10mm gap for thermal expansion (i) single socketed pipes. a) 110mm diameter	43.00 Mtrs.	Mtrs.		
8.3	Providing and fixing on wall face un-plasticized PVC moulded fittings/ accessories for un-plasticized rigid PVC rain water pipes conforming to IS: 13592 Type-A including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion. a) Single Pushfit coupler i)110mm	10.00 Nos.	Nos.		
	ii) 110mm bend	5.00 Nos.	Nos		
	iii) Shoe (Plain 110mm shoe)	5.00 Nos.	Nos		
8.4	Providing and fixing un-plasticized PVC pipe clips of approved design to un-plasticized-PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the walls etc. complete a) 110mm	50.00 Nos.	Nos.		
8.5	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15cm diameter and weighing not less than 440 grams.	5.00 Nos	Nos.		

8.6	10cm thick (average) mud Phuska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar mixed with bhusa at 35 kg/cum of earth and gobri leaping with mix 1:1 (1 clay: 1 cow dung) and covered with flat tile bricks of class designation 100 grouted with cement mortar 1:3 (1 cement: 3 fine sand) mixed with 2% of integral water proofing compound by weight a) With F.P.S. brick tiles	84.00 Sqm.	Sqm.		
8.7	Painting top of roofs with bitumen of approved quality at 17 kg per 100 sqm. Including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete. a) with residual petrolium bitumen of penetration 80/100	89.00	Sqm.		
9.	<b>FINISHING</b>				
9.1	12mm cement plaster of mix. a) 1:6 (1 cement: 6 fine sand)	111.00 Sqm	Sqm.		
	b) 1:4 (1 cement: 4 fine sand)	38.00 Sqm	Sqm.		
9.2	15mm cement plaster on the rough side of single or half brick wall of mix. a) 1:6 (1 cement: 6 fine sand)	229.00 Sqm.	Sqm.		
9.3	6 mm cement plaster of mix 1:3 (1 cement: 3 fine sand)	292.00 Sqm.	Sqm.		
9.4	White washing with lime to give an even shade. a) New work three or more coats.	292.00 Sqm.	Sqm.		

9.5	Finishing wall with water proofing cement paint 'Snowcem-Plus' of M/s Snowcem India Ltd. or equivalent of required shade.				
	a) New work (two or more coats applied @ 3.84 kg/ 10 sqm.)	113.00 Sqm.	Sqm.		
9.6	Applying priming coat: with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood)	46.00 Sqm.	Sqm.		
9.7	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.				
	a) Two or more coats on new work	159.00 Sqm.	Sqm.		
9.8	Distemping with 1 <sup>st</sup> quality acrylic washable distemper (ready made) of approved Manufacture and to required shade and colour complete as per manufacturer's specification				
	a) Two or more coats on new work	487.00 Sqm.	Sqm.		
9.9	Applying priming coat with ready mixed red oxide zinc Chromate primer of approved brand and manufacture on steel / galvanised iron steel work.	49 Sqm	Sqm		
10.	SANITARY INSTALLATIONS:				

10.1	Providing and fixing water closet squatting pan (Indian type W.C. Pan) with 100mm sand cast iron long body P trap or S trap. 10 litre low level white PVC flushing cistern with manually controlled device (handle lever) conforming to IS: 7231 Parryware/ Hindware/ Seabird/ Orient (Coral;) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.				
	a) White vitreous China Orient Pattern w.c. pan of size 580x440mm with integral type footrests.	2.00 No.	Each		
10.2	Providing and fixing white vitreous China flat back of wall corner type lipped front urinal basin of 430x260x350mm and 340x410x265mm size respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
	a) One urinal basin with 5 litre white PVC automatic flushing cistern.	1.00 No.	Each		
10.3	Providing and fixing wash basin with C.I. brackets 15mm C.P. brass pillar taps, (Kingston/ Gem/ Techno/Parko), 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets , cutting and making god the walls wherever required white vitreous Flat back wash basin size 450x300mm with single 15mm C.P brass pillar tap.	2.00 Nos	Each		

10.4	Providing and fixing 600x450mm beveled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00 Nos	Each		
10.5	Providing and fixing soil waste and vent pipes.				
	a) 100mm diameter centrifugally cast (spun) iron S & S Pipe as per IS: 3989.	20.00 Mtrs.	Mtrs.		
	b) 75mm diameter centrifugally cast (spun) iron S & S Pipe as per IS: 3989.	20.00 Mtr	Mtrs.		
10.6	Providing and fixing M.S. holder bat clamps of approved design to sand cast iron/ cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	a) For 100 mm pipe	10.00 Nos	Each		
	b) For 75mm dia pipe	10.00 Nos	Each		
10.7	Providing and fixing terminal guard				
	a) 100mm sand cast iron S & S	1.00 No	Each		
	b) 75mm sand cast iron S & S.	1.00 No	Each		



10.8	Providing and fixing collar				
	a) 100mm sand cast iron S & S as per I.S 1729.	10.00 No	Each		
	b) 75mm sand cast iron S & S as per I.S 1729	10.00 No	Each		
10.9	Providing and fixing M.S. stays and clamps for sand cast iron centrifugally cast (spun) iron pipes of diameter.				
	a) 100mm	1.00 No	Each		
	b)75mm	1.00 No	Each		
10.10	Providing fixing trap of self cleaning design with screwed down or hinged grating with or without vent arm complete including cost of cutting and making good the walls and floors.				
	a) 100mm inlet and 75mm outlet sand cast iron S&S as per I.S. 1729.	5.00 No	Each		
10.11	Painting sand cast iron/ centrifugally cast (spun) iron soil. Waste vents pipes and fittings with paint of any colour such as chocolate grey or buff etc. over a coat of primer (of approved quality) for new work.				
	a) 100mm diameter pipe	10.00 Mtrs.	Mtrs.		
	b) 75mm diameter pipe	10.00 Mtrs.	Mtrs.		

10.12	Providing and fixing PTMT Towel Rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality colour and make (Prayag or equivalent) 600 mm long towel rail with total length of 645 mm width 78mm and effective height of 88mm, weighing not less than 190grms.	2.00 Nos	Each		
10.13	Providing lead caulked joints to sand cast iron / centrifugally Cast (Spun) iron pipes of diameter				
	a) 100mm	30.00 Nos	Each		
	b) 75mm	30.00 Nos	Each		
10.14	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete				
	a) Flexible pipe 32mm dia	2.00 Nos	Each		
10.15	Supplying pig lead at site of work.	0.25 Qtl	Qtl		
10.16	Painting G.I. pipes and fittings with two coats of anticorrosive bit mastic paint of approve quality.				
	a) 15mm diameter pipe	60.00 Mtrs.	Mrs.		

10.17	Providing and fixing G.I. union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work)				
	a) 15mm nominal bore	10.00 Nos.	Each		
	b) 20mm nominal bore	10.00 Nos	Each		
10.18	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet outlet and overflow pipes but without fittings and the base support for tank.	2000 Lit.	Lit.		
10.19	Providing and fixing single equal plan junction of required degree with access door, insertion rubber washers 3mm thick, bolts, nuts complete				
	a) 100 x 100x 100mm sand cast iron S&S as per I.S. 1729	1.00 No	Each		
	b) 75x75x75mm sand cast iron S&S as per I.S. 1729	1.00 Nos	Each		

11.1	<b>WATER SUPPLY</b>				
11.1	Providing and fixing G.I. pipe complete with G.I. fittings and clamps i/c cutting and making good the walls etc. (internal work)				
	A) Exposed on wall	30.00 Mtrs.	Mrs.		
	a) 15mm nominal bore				
	b) 20mm nominal bore	60.00 Mtrs.	Mtrs.		
	B) Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.				
	a) 15mm dia nominal bore	30.00 Mtrs.	Mtrs.		
11.2	Providing and fixing C.P.brass long body bib cock of approved quality conforming to IS standards and weighting not less than 690 gms.				
	a) 15mm nominal bore	4.00 Nos	Each		
11.3	Providing and fixing brass stop cock of approved quality				
	a) 15mm nominal bore	6.00 Nos.	Each		
	B) 20mm nominal bore	2.00 No	Each		

11.4	Providing and fixing unplasticised PVC connection pipe with PTMT nuts, collar and bush of approved quality and colour.				
	a) 15 mm nominal bore with 45 cm length	6.00 Nos	Each		
12.	<b>DISMANTLING AND DEMOLISHING</b>				
12.1	Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meter lead as per direction of Engineer-in-charge.	0.58 Cum	Cum		
12.2	Demolishing brick work manually / mechanical means including stacking of serviceable material and disposal of unserviceable material within 50m lead as per direction of Engineer-in-charge.				
	a) in cement mortar	35.00 Cum	Cum		
12.3	Demolishing brick tile covering in terracing i/c stacking of serviceable material and disposal of unserviceable material within 50m lead.	225.00 Sqm.	Sqm.		
12.4	Demolishing Mud Phuska in terracing and disposal of material within 50 m lead.	28.00 Cum	Cum		
12.5	Dismantling stone slab roofing over wooden karries or R.C.C. bottom (Dismantling Karries and bottom to be paid separately i/c. stacking of serviceable material and disposal of un-serviceable material within 50 mtrs. lead.	9.00 Cum	Cum		

12.6	Dismantling wood work in frames, trusses, purlins and rafters upto 10 meter span and 5 meters height including stacking the material within 50 m lead				
	a) of sectional area 40 sq.m and above	1.47 Cum	Cum		
12.7	Dismantling doors windows and clearstory windows (Steel or wood) shutters i/c chowkhats, architrave, hold fasts etc. complete and stacking within 50m lead.				
	a) Of Area 3 sqm. And below	4.00 Nos	Each		
12.8	Demolishing cement concrete manually /by mechanical means i/c. disposal of material within 50 mtrs. lead as per direction of Engineer-in-charge.				
	a) 1:3:6 or richer mix	55.00 Cum	Cum		
13.1	Stone work (Machine cut edge) for wall lining etc. (veneer work)backing filled with grout of 12 mm thick cement mortar 1:3 (1 cement 3 coarse sand) including pointing in white cement mortar 1:2 (1 white cement: 2 stone dust) with an admixture of pigment matching the stone shade (to be secured to the backing by means of cramps which shall be paid separately).				
	Red sand stone ex-posed face fine dressed with rough backing. a) 40 mm thick	284.00 Sqm.	Sqm.		

13.2	Providing and fixing gun metal cramps of required shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement: 2 fine sand)				
	a) 25x6mm – 30cm long	1420.00 Nos.	Each		
13.3	Providing and fixing copper pins 7.5 cm long 6mm dia meter for securing adjacent stones in stone wall lining in cement mortar 1:2 (1 cement: 2 fine sand) including making the necessary chases.	1420.00 Nos.	Each		
13.4	Removal of malba / building rubbish by mechanical transport i/c loading, unloading for all leads and lift.	142.00 Cum	Cum		

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