



**TENDER DOCUMENT**

**FOR**

**REPAIR AND MAINTENANCE OF  
IWAI STAFF FLATS/QUARTERS IN  
ARAWALI AND UDAYGIRI APARTMENTS AT  
SECTOR- 34, NOIDA.**

**TENDER NO. : IWAI/PR/RE/Flats/01/2014(Vol-2) (T/1/17-18)**

**INLAND WATERWAYS AUTHORITY OF INDIA  
(MINISTRY OF SHIPPING)  
A-13, SECTOR - 1, NOIDA-201301 (U.P.)  
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<https://eprocure.gov.in/eprocure/app>**



**INLAND WATERWAYS AUTHORITY OF INDIA**

(Ministry of Shipping, Government of India)

**A-13, SECTOR-1**

**NOIDA – 201 301 (U.P)**

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**TENDER NO. : IWAI/PR/RE/Flats/01/2014(Vol-2)(T/1/17-18)**

To

M/s .....

**Sub: Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida.**

Sir,

Inland waterways Authority of India (IWAI), Noida invites online tender in two cover system (cover I–Technical bid & cover II– Financial bid) from experienced contractors for the above mentioned work. The bids will be placed online at <https://eprocure.gov.in/eprocure/app> not later than 15.00 hrs. on 10.01.2018. Technical bids shall be opened on 11.01.2018 at 15.30 hrs. The tenderers shall have experience of working in the field for the past 7 years consistently and shall register with the CPWD/MES/Railways or any other Central / State Govt. organization or have been working with IWAI for last 3 years. Firm shall have completed at least three similar works costing not less than Rs. 15.75 lakhs or two similar works costing not less than Rs. 23.62 lakhs or one similar work costing not less than Rs. 31.50 lakhs during last seven years (year ending March, 2017). Average annual financial turn over should be at least 100% of the estimated cost during the immediate last 3 consecutive financial year. Tenderer shall submit suitable documents as proof of the eligibility criteria along with the tender.

Issuance of tender document will not construe document that such bidders are automatically considered qualified. For details tender document shall be read carefully.

Dy. Director & Resident Engineer



**INLAND WATERWAYS AUTHORITY OF INDIA**

(Ministry of Shipping, Government of India)

**A-13, SECTOR-1**

**NOIDA – 201 301 (U.P)**

**TENDER NO. : IWAI/PR/RE/Flats/01/2014(Vol-2)(T/1/17-18)**

**Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri  
Apartments at Sector-34, Noida.**

**PART-I**

**TECHNICAL BID**



## INLAND WATERWAYS AUTHORITY OF INDIA

(Ministry of Shipping, Govt. of India)

A-13, SECTOR-1, NOIDA – 201 301 (U.P)

### NOTICE INVITING TENDER

TENDER NO. IWAI/PR/RE/Flats/01/2014(Vol-2)(T/1/17-18)

Inland Waterways Authority of India (IWAI) invites online tender / bids in two cover system (cover I–Technical bid & cover II– Financial bid) for the following work from the reputed and eligible firms working in the field for the past 7 year consistently (year ending March, 2017) and which are registered or doing similar nature work with CPWD/MES/Railways or any other Central Govt./ State Govt. Organization or have been working with IWAI for last 3 years. Firm shall have completed at least three similar works costing not less than 40% of estimated cost or two similar works costing not less than 60% of estimated cost or one similar work costing not less than 80% of the estimated cost during last seven years (year ending March, 2017). The tenderer shall have Permanent Account Number (PAN) issued by Income Tax Department. The tenderer shall have registration with GST and having GST number. The tenderer shall have latest certificate of solvency from nationalized bank/schedule bank included in the second schedule of the RBI Act for not less than 40% of estimated cost. Average annual financial turn over should be at least 100% of the estimated cost during the immediate last 3 consecutive financial year.

Name of work	Estimated Cost	EMD (in Rs.)	Time of completion	Last Date & time of submission of tender	Date & time of opening of Tech. bid
Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida.	39.37 lakhs	78800/-	4 Months	10.01.2018 15.00 hrs.	11.01.2018 15.30 hrs.

Firms fulfilling the above eligibility criteria may obtain tender document along with the terms and condition. The complete bid as per the tender documents should be placed online at <https://eprocure.gov.in/eprocure/app> by 15.00 hours on 10.01.2018 and will be opened online on 11.01.2018 at 1530 hours at IWAI, A-13, Sector-1, Noida – 201301. The scanned copy of all the supporting documents should be submitted online along with the technical bid.

Cost of tender of Rs. 500/- (Rupees Five Hundred only) mentioned above shall be deposited to IWAI Fund through RTGS in the following account:

Name of Bank Account: IWAI Fund

ii) Bank Name and Address: Syndicate Bank, Transport Bhawan, New Delhi

iii) Bank Account number: 90622150000086

iv) IFSC: SYNB0009062

EMD for the amount mentioned above shall be deposited to IWAI Fund through RTGS in the following account:

i) Name of Bank Account: IWAI Fund

ii) Bank Name and Address: Union Bank of India, Sector 15 Noida

iii) Bank Account number: 513202050000007

iv) IFSC: UBIN0551325

Site will be inspected on all working days during office hours.

IWAI reserves the right to reject any or all bids without assigning any reasons. For details, refer the website or contact IWAI Office.

.Dy. Director & Resident Engineer  
IWAI, Noida



**INLAND WATERWAYS AUTHORITY OF INDIA**

**(Ministry of Shipping, Govt. of India)**

**A-13, SECTOR-1 NOIDA – 201301 (U.P)**

**TENDER NO. IWAI/PR/RE/Flats/01/2014(Vol-2)(T/1/17-18)**

IWAI invites online tender / bids in two cover system from the firm having valid registration in appropriate Class or doing similar nature work with CPWD, MES, Railways or any Central/State Govt. Organization or have been working with IWAI for last 3 years for the following work:-

Name of work	Estimated cost (Rs.)	EMD (Rs.)	Time for completion	Last Date & time of submission of tender	Date & time of opening of Tech. bid
Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida.	39.37 Lakhs	78800/-	4 Months	10.01.2018 15.00 hrs.	11.01.2018 15.30 hrs.

**Detailed NIT eligibility criteria and tender document alongwith Instruction to the Bidders can be seen at IWAI's website i.e. [www.iwai.nic.in](http://www.iwai.nic.in) and [www.eprocure.gov.in](http://www.eprocure.gov.in)**

Dy. Director & Resident Engineer

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## FORM OF TENDER

To,

THE DEPUTY DIRECTOR & RESIDENT ENGINEER  
INLAND WATERWAYS AUTHORITY OF INDIA  
A-13, SECTOR-1,  
NOIDA-201301 (UP)

**SUBJECT: Tender for Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida.**

Sir,

1. Having visited the site and examined General Conditions, Special Conditions, General Specifications and detailed specification, schedule and Bill of Quantities for the above named works, I/We offer to supply, construct, repair, complete, commission and maintain the whole of the said works in conformity with the said condition of Contract, Specifications, Schedule of Quantities for the sum as stated in Bill of quantities this tender document or such other sum as may be ascertained in accordance with the said conditions of contract.
2. I/We undertake to complete the whole of the works comprised in the contract within the time as started in the tender and also in accordance in all respects with the specification, drawing and instructions as mentioned in the tender document.
3. I/We have independently considered the amount of liquidated damages shown in the tender hereto and agree that it represents fair estimates of the loss likely to be suffered by IWAI in the event of works not being completed in time.
4. I/We agree to abide by this tender by this tender. I/We agree to keep the tender open for a period of 90 days from the date of opening of price bids or extension thereto as required by the IWAI and not to make any modification in its terms and conditions.
5. A sum of Rs. 78800/- (Rupees seventy eight thousand eight hundred only) is hereby deposited to IWAI Fund through RTGS in the following account:
  - i) Name of Bank Account: IWAI Fund
  - ii) Bank Name and Address: Union Bank of India, Sector 15 Noida
  - iii) Bank Account number: 513202050000007
  - iv) IFSC: UBIN0551325 as Earnest Money. I/we agree, if I/we fail to keep the validity of the tender opens as aforesaid or I/we make any modification in the terms and condition of my/ our tender. If I/we fail to commence the condition of my/our Earnest Money, as aforesaid and IWAI shall without any prejudice to another right or remedy, be at the liberty for forfeit the said Earnest Money absolutely otherwise the said earnest money shall be retained by him towards parts of security deposit to execute all the works referred to in the tender document upon the terms and condition contained or referred to therein and to carry out such deviation as may be ordered.



Should this tender be accepted I/we agree to abide by and fulfil all the terms and conditions and provisions of this tender. No interest is payable on earnest money deposit and /or security deposit.

6. If this tender is accepted, I/we undertake to enter into /execute at my/our cost when called upon by the employer to do so, a contract agreement in the prescribed form. Unless and until a formal Agreement is prepared and executed this tender together with your written acceptance thereto shall constitute a binding contract.
7. I/we that if my/or tender is accepted, I/we and /are to be jointly and severely responsible for due performance of the contract.
8. I/we understand that you are not bound to accept the lowest or any tender you may receive and may reject all or any tender without assigning any reason.
9. I/we certify that the tender submitted by me/us is strictly in accordance with the terms, condition, specifications etc. as contained in the tender documents, and it is further certified that it does not contain any deviation to the aforesaid document.

Date..... Signature.....  
Name.....  
Designation.....

(Duly authorized to sign & submit tender for an on behalf of  
name and address of firm)

M/s.....  
.....  
Telephone Nos.....  
Fax Nos.....

Witness:  
Signature.....  
Name.....  
Address.....  
.....  
.....  
Telephone Nos.....

**INSTRUCTION FOR SUBMISSION OF BID**

- 1.0 All covering letters and information to be included in the bid shall be submitted with bid itself.
- 2.0 Tender should be submitted online at <https://eprocure.gov.in/eprocure/app> by 15.00 hours on 10.01.2018 in two bid system i.e. technical bid and financial bid. Technical bid will be open online on same day at 15.30 hours at IWAI, A-13, Sector-1, Noida.
- 2.1 TECHNICAL BID**
- Technical bid shall be submitted along with scanned copy of the following documents:**
- a) Original Bid document duly completed and filled except prices.
  - b) Blank Proforma of Schedule of price (price not to be filled)
  - c) Earnest Money Deposit (Proof of payment through RTGS)
  - d) Tender cost (Proof of payment through RTGS)
  - e) Experience Certificate
  - f) Permanent Account Number (PAN) issued by the Income Tax Department.
  - g) GST Number issued by GST Department.
  - h) Solvency certificate from any nationalized/schedule bank.
  - i) Letter of Authority for signing and negotiations of tender.
  - j) Audited balance sheets along with turnover, profit and loss accounts for the last 3 years copy of Income Tax assessment or return for the last 3 years.
- The hard copy proof of payment of EMD and Tender cost and duly signed 'form of tender' shall be submitted before 15.00hrs, 10.01.2018.**
- 2.2 PRICE BID**
- The price bid shall be submitted original for:**
- a) Schedule of price duly filled in the specified form.
  - b) It may please be noted that this part shall not contain any terms and conditions. These, if any must be brought out in Part-I only. Any conditions given in the price bid will not be taken into account and it will be sufficient cause for rejection of bid.
- 3.0 Bidders are advised to submit tenders strictly based upon technical specification, terms and condition contained in documents and not to stipulate any deviations. Should it, however, become unavoidable, deviations should be stipulated in proposal in Part-I. IWAI reserve the right to evaluate bids containing deviation as determined by IWAI. Any change in this may lead to rejection of bid.
- 4.0 Earnest Money Deposit of Rs. 78800/- (Rupees seventy eight thousand eight hundred only) is hereby deposited to IWAI Fund through RTGS.
- 5.0 IWAI reserves the right to reject any or all bids without assigning any reasons.
- 6.0 Late bids, delayed bids received after the stipulated last date and time for receipt of bids, due to any reasons whatsoever will not be considered.

- 7.0 The bid can only be submitted in the name of the bidder in whose name the bid documents were issued by the IWAI.
- 8.0 Any annotation or accompanying documentation in the bid shall be in Hindi or English language only and in metric system. Tender filled in any other language only will be summarily rejected.
- 9.0 Bidder shall sign their proposal with the exact name of the firm to whom the bid document has been issued. The bid shall be duly signed and sealed by an authorized persons of the bidder's organization as following:
- 10 (a) If the tender is submitted by an individual, it shall be duly signed and sealed by an proprietor above his full name and full name of his firm with its current business address.
- 10 (b) If the tender is submitted by the proprietary firm, it shall be signed by the proprietor above his full name and full name of his firm with its current business address.
- 10 (c) If the tender is submitted by a firm in partnership, it shall be signed by the firm with their full names and current business address, or by a partner holding the power of attorney for the firm for signing the Tender in which cases a certified copy of the power of attorney shall accompany the Tender. A certified copy of the partnership deed and current business address of all the partners of the firm shall also accompany the Tender.
- 10 (d) If the tender is submitted by a limited company, or a limited corporation, it shall be signed by a duly authorized person holding the power of attorney for signing the tender in which case a certified copy of the power of attorney shall accompany the Tender. Such limited company or corporation may be required to furnish satisfactory evidence of its existence before the contract is awarded 'Satisfactory evidence' means the certificate of incorporation of the limited company or corporation under Indian Companies Act, 1956.
- 10 (e) If the Tender is submitted by a group of firms, the sponsoring firm shall be submit complete information pertaining to each firm in the group and state along with the bid as to which of the firm shall have the responsibility for tendering and for completion of the contract document and furnish evidence admissible in law in respect of the authority assigned to such firm on behalf of the group of firms for tendering and for completion of the contract document. The full information and satisfactory evidence pertaining to the participation of each member of the group of firm in the Tender shall be furnished along with the Tender.
- 10 (f) All witnesses and sureties shall be persons of states and their full name, occupations and addresses shall be stated below their signatures. All signatures affixed in each page in the tender will be dated.
- 11.0 Bidders shall clearly indicate legal constitutions and the person signing the tender shall state his capacity and also the source of his ability to bind the bidder. The power of attorney or authorization or any other document constituting adequate proof of the ability of the signatory to bind the bidder shall be annexed to the bid. The Owner may reject outright any bid unsupported by adequate proof of the signatory's authority.

- 12.0 The bid document shall be completed in all respect and shall be submitted together with the requisite information and appendices. They shall be complete and free from ambiguity, change or inter-lineation.
- 13.0 If the space in the bid form or in the appendices thereto is insufficient, additional pages shall be separately added. These page shall be consecutively page numbered and shall be separately also be signed by the Bidder.
- 14.0 The Bid document shall be signed by the bidder on each page.
- 15.0 Bidder should indicate at the time of quoting against this bid their full postal addresses with FAX and telephone numbers.
- 16.0 Bidders shall set their quotations in the firm figures and without qualification. Each figure stated should also be repeated in words and in the event of any discrepancy between the amounts stated in figures and words, the amount quoted in words shall be deemed the correct amount. Bid containing qualifying expression such as “subject to minimum acceptance” or “subject to availability of material/equipment” etc., is liable to be rejected.
- 17.0 IWAI shall have a unqualified option to claim the amount submitted along with the tender as EMD in the event of the Bidder failing to keep the bid valid up to the date specified or refusing to accept work or carry it out in accordance with the bid if the IWAI decided to award the work to the bidder.
- 18.0 The EMD shall be retained with the IWAI until finalization of tenders. Further, security deposit @10% of the value of each running bill shall be deducted from the running bills in the event of the Bidder becoming the successful Contractor. The amount of EMD would be adjusted against the security deposit.
- 19.0 IWAI shall however, arrange to release the EMD in respect of unsuccessful bidders within 30 (thirty) days of placement of order successful bidder.
- 20.0 The tender Evaluation committee (TEC) shall open the tenders in the presence of the intending tenderers who may be present at the date and time of opening informed in the bid document or subsequently. If any of the tenderers or his agent is not present at the time of opening of tender, the TEC shall, on opening of tenders of the absentee tenderer, prepare a statement of the attested and unattested corrections in the tender over their signature. Such a list shall then be binding on the absent tenderer.
- 21.0 The successful tenderers shall be required to execute a contract agreement in the given format. In case of any refusal/failure on the part of such successful bidder to comply with the terms contained herein.
- 22.0 IWAI reserves the right to reject any or all bids without assigning any reasons.

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## **DEFINITIONS**

1. The contract means the documents forming the tender and acceptance thereof and the format agreement executed between the Competent Authority on behalf of the Chairman, Inland Waterways Authority of India and the contractor, together within the documents referred to therein including these conditions and instructions issued from time to time by the Officer-in-charge and all these documents taken together shall be deemed to form one contract and shall be complementary to one another.
2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them;
  - (i) The expression work or works shall unless there be something both in the subject or context repugnant to such constructions be construed and taken to mean the works by or by virtue of the contract to be executed whether temporary or permanent, and whether original offered substituted or additional.
  - (ii) The 'Contractor' shall mean the individual, firm or company, whether incorporated or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
  - (iii) The 'Employer' means the Chairperson, Inland Waterways Authority of India and his successors.
  - (iv) The 'Engineer-in-charge' means the Engineer who shall supervise and be in charge of the work and who shall sign the contract on behalf of the Employer.
  - (v) 'IWAI/Authority/Department/Owner' shall mean the Inland Waterways Authority of India, which invites tenders on behalf of the Chairman, IWAI.
  - (vi) The 'Site' shall mean premises no. IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida of owner on which the works are to be executed under this contract. (List of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartments at Sector-34, Noida is enclosed at Annexure-III)
  - (vii) The term 'Day' shall mean a calendar day beginning and ending at midnight.
  - (viii) The term 'Week' shall mean seven consecutive calendar days.
  - (ix) The term 'Month' shall mean the English calendar month.
  - (x) District specifications mean specifications followed by the State Government in the area where the work is to be executed.
  - (xi) Tendered value means the value of the entire work as stipulated in the letter of award.
  - (xii) Excepted Risk are risks due to riots (other than those on account of contractor's employees) war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, military of usurped power, any act of Govt. damages, acts of God, such as earthquake, lightning and unprecedented flood and other causes over which the contractor has no control and accepted as such by the Accepting Authority or causes solely due to use or occupation by Govt. of the part of the works in respect of which a certificate of completion has been issued or a cause solely due to Govt., faulty design of works.
  - (xiii) Market rate shall be rate as decided by the Officer-in-charge on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in tender to cover all overheads and profits.

- (xiv) Schedules referred to in these conditions shall mean the relevant schedules annexed to the tender to the tender papers or the standard schedules of rates of the govt. mentioned with the amendments thereto issued up to the date of receipt of the tender.

**Interpretation Clause**

- The 'Chairperson' means the Chairperson of Inland Waterways Authority of India. Word Importing the singular number only includes the plural number and vice versa.

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## **GENERAL CONDITIONS**

1. All works proposed in this contract shall be as per the NIT and specification given in the tender document.
2. The person/s whose tender(s) may be accepted (herein after called the contractor) shall permit IWAI/Govt. at the time of making any payment to his for work done under the contract to deduct such amount to 10% of the total cost of the work. Such deduction to be held by Govt. by way of security deposit provided always that the Govt. for this purpose should be entitled to recover the amount from each running bill until the balance of the amount of security deposit is realized. All compensation of other sum 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. In case security deposit is reduced by reasons of any deductions or sale as aforesaid the contract shall within 10 days make good in cash or demand draft in favour of Inland Waterways Authority of India. The security deposit shall be collected from the running bills of the contract at the rates mentioned above and the earnest money if deposited at the time of tender will be treated as part of security deposit. No interest shall be payable on security deposit or earnest money deposit.
3. The Security Deposit of Contractor shall not be refundable before the expiry of the three months after completion of the work.
4. If the contractor is fails to complete all items of works within the period(s) of completion as stipulated in the aforesaid tender or any extended period (not due to the fault of the contractor) as may be agreed he shall without prejudice to any other right or remedy of the Authority on account of such default, pay compensation (not by way of penalty) at the rate of ½ % (Half percent) per week or part of week on the total value of the contract subject to a maximum of 10% of the total values of the contract.
5. In every case in which the payment or allowance mentioned in above clause shall have incurred for ten consecutive days the Engineer-in-Charge shall have the power to annual the contract and or have the work completed and the contractor shall have no claim to compensation for any loss that may incur in any case.
6. If the contractor shall be hindered in the supply of the time of the material or any other reasons for which the work is delayed so as to necessitated an extension or the time allowed in this tender, he shall apply in writing to the Engineer-in-Charge who shall grant it in writing if there are reasonable ground for it, and without such Authority in writing by the Engineer-in-Charge, the contractor shall not claim exempted from the fine livable under clause 5. For the completion of the rest of the works the contractor shall be entitled such extension of time as may be determined by the Engineer-in-Charge.

7. The contractor shall inform the Engineer-in-Charge of his intension of making delivery or material and on the material being approved the Engineer-in-Charge or his authorized representative.
8. On the completion of the work the contractor shall be furnished with a certificate to that effect by the Engineer-in-Charge but the work will not be considered complete until the contractor shall have removed all rejected material and made the site tidy.
9. If at any time after the commencement of the work the chairman, IWAI shall for any reason whatsoever not require the whole or part thereof as specified in the tender to be executed, the Engineer-in-Charge shall in addition to his power to annual the contract in case of default on the part of the contactor, have power to terminate all liability of the IWAI/Govt. there under at any time due notice in writing to the contractor of his desire to do so. In the event of such a notice being given:
  - a) The Engineer-in-Charge shall be entitled to direct the contractor to compensate the work up to the expiry of the notice and thereafter to cease all their work completed up to that date shall be paid for at the tender rate, and
  - b) The contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived in consequence of the full execution of the contract but which he did not obtain owing to its premature termination or for any loss which he might have sustained on this account.
10. No payment should be made for a work estimated to cost Rupees Five Thousand or less till the whole of the work shall have been completed and certificate of completion given. But in the case of work estimated to cost more than Rupees Five Thousand and contractor shall on submitting the bill be entitled to receive a monthly payment proportionate to the part thereof then executed to the satisfaction of the Engineer-in-Charge, whose certificate of the sum of payable shall be final and conclusive against the contractor.
11. Payment due to the contractor may, if so desired by him, be made to his bank instead direct to him, provided that the contractor furnishes the Engineer-in-Charge (1) an authorization in the form of a legally valid documents such as a power of attorney containing authority on the bank to receive payment and (2) his own acceptance of the correctness of the account made out as being due to him by Government or his signature on the bill or other claim by payment to the bank while the receipt by such bank shall constitute a full and sufficient discharge for he payment, the contractor should, wherever possible present his bills duly receipted and discharge through his bankers.
12. Nothing herein contained shall separate to create in favour of the bank any right or equites vis-a-vis the IWAI.



13. The material and work shall be of the best description and in strict accordance with the specification and the contractor shall receive payment for such works only as are approved and passed by the Engineer-in-Charge.
14. In the event of the material or work being considered by the Engineer-in-Charge to be inferior to that described in the specifications, the contractor shall on demand in writing forthwith remove the same at his own charge and cost and in the event of his neglecting to do so within such period as may be named by the Engineer-in-Charge that office may have such rejected material removed at the contractor's risk and the expense incurred being liable to be deducted from any sums due or which may become due to the contractor.
15. If the contractor or his work people or servant shall break, deface injure or destroy building, road, fence, enclosure, water pipes, cabbies, drains, electric or telephone post or wires, trees, grass or grass land or any other property belonging to IWAI or any other contractor working in the same premises where the material are being supplied, he shall make good the same at his own expense by Engineer-in-Charge, who shall deduct the cost from any sums dues, or which may become due to the contractor.
16. The contractor shall supply at his own expense all tools, plant and equipment required for the due fulfillment of this contract and the material shall remain at his risk till the date of final delivery, unless it shall have been in the meantime remove for use by the Engineer-in-Charge.
17. No material shall be brought to site or delivery given on Sunday or holiday without the written permission of the Engineer-in-Charge. Normally all material shall be delivered during office hours and with prior information to the Engineer-in-Charge.
18. This contract shall not be sublet without the written permission of the Engineer-in-Charge. In the event of the contract subletting his contract without such permission he shall be considered to have thereby committed a breach of contract, and shall forfeit his security and shall have no claim for any compensation for any loss.
  - a) The Engineer-in-Charge shall have power to make any alternation, omissions, additions or substitutions in the original specifications, drawing, designs and instruction that may appear to his to be necessary or advisable during the course of execution and the contractor shall be bound to execute the work in accordance with any such instructions which may be given to him in writing signed by the Engineer-in-Charge and such alternation, omissions, additions or subtraction shall not invalidate the contractor, and altered additional or substituted item which the contractor may be directed to execute in the manner above specified as part of the work shall be executed by the Contractor on the same condition in all respect for which he agreed to do the main work, and at the same rates, as specified in the tender for the main work. The time for the completion of the work shall be extended in the proportion that the altered, additional or substituted

quantity of item bears to the original quantity and the certificate of Engineer-in-Charge shall be conclusive as to such proportion. And if the altered, additional or substituted items include any class of materials, for which the rate is specified on this contract than such work shall be executed at the rates entered in the schedule of rates of the main contract direct on which the estimate cost shown in the tender is passed and in such class of work are not entered in the schedule of rates than the contractor shall within seven days of the date or his receipt of the order to execute the work inform the such class of material and if the Engineer-in-Charge does not agree to this rate he shall give notice in writing and be a liberty to cancel this work, such class of material and arrange the supply thereof in such manner as he may consider advisable provided always that if the contractor shall commence supply or incur any expenditure in regard thereto before the rates shall have been determined as lastly herein before mentioned time and in such case he shall be entitled be paid in respect

of the supply made or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rate shall be fixed by the Engineer-in-Charge. In the event of any disputes the decision of the chairman, IWAI shall be final and binding to all.

19. 1.(a) In every case in which by virtue of the provision 12 Sub Section (1) of the workman's Compensations Act, 1923, Govt. is obliged to pay compensations to a worker employed by the contractor, in execution of the works Government will recover from the Contractor the amount of the Compensation so paid and with prejudice to the rights of Govt. under Section 12, Sub Section (2) of the said Act Government shall be a liberty to recover such amount of any part thereof by deducting if from the security deposit or from any sum due by IWAI/Govt. to the contractor whether under this contract or otherwise.
- (b) IWAI/Govt. shall not be bound to contract any claim made against it under Section 12, Sub Sec. (1) of the said Act, except on the written request of the Contractor upon his giving to Government full security for all costs for which Govt. might become liable in consequence of contesting such claim.
19. 2 (a) The Contractor shall pay not less than fair wage to labourers engaged by him on the work.

Explanation: "Fair Wages" means whether for time or place work notified at the time of inviting tenders for the work and where such wages have not been so notified the wages prescribed by the Government for the district in which the work is done.

- (b) The Contractor shall notwithstanding the provisions of any contract to the contrary cause to be paid fair wages to labourers indirectly engaged on the work including any labour engaged by his subcontractors in connections with the said work as if the labourers had been immediately employed by him.
- (c) In respect of all labour directly or indirectly employed in the works for the performances of the contractor's part of this agreement the contract shall comply with or cause to be completed with CPWD contractor's labour Regulations made by Government from time to time in regard payment wages, wage period, deduction from made maintenance of wage register, wage cards, publication of scale of wage and other terms of employment, inspection and submission of periodical returns and all other matters of a like nature.
- (d) Under the provision of the minimum Wages Act, 1948 and the minimum wages (Central) Rules 1950 the contractor is bound to allow of cause to be allowed to the laborers directly or indirectly employment in the works one day's rest for six days continuous work and pay wages at the same rate as for duty in the event of default the Engineer-in-Charge concerned shall have the right to deduct the sum of sums not paid on account of wages for weekly holiday to any pay the same to the persons entitled thereto from money due to the contractor.
- (e) Vis-à-vis the Central Government to the contract shall be primarily liable for the payments to be made under and for the observance of the regulations aforesaid without prejudice to his right to claim indemnify from his sub-contractor.
- (f) The regulations aforesaid shall be deemed to be part of contract and any breach thereof shall be deemed to be breach of this contract.

19.3 In respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this agreement the contractor shall comply with the cause to be complied with all rules framed by Government from time to time for protection of health and sanitary arrangements for workers employed by the CPWD and its contractors.

19.4 In the event of the contractor(s) committing a default of any of the provisions or of the Central Public Works Department Contractor's Labour Regulations of Model Rules for the protections of health and sanitary arrangement for the workers as amended from time to time or furnishing any information or submitting or filling any statements under the provisions of the above Regulations and Rules which is incorrect he/they shall without prejudice to any other liability pay to the Government a sum not exceed Rs. 50.00 per every default/breach or furnishing /making /submitting/filling such materially incorrect statement and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced of the Rs. 50/- per day for each of default subject to a maximum of 5 percent of the estimated cost of the work put to tender. The decision of the Engineer-in-Charge shall be final and binding on the parties.

20. Expect otherwise provided in the contract all questions and disputes relating to the meaning of the specification designed drawing and instructions herein mentioned as to the quality of workmanship or material used on the work or as to any other question claim right matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, instructions, order or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the completion, abandonment thereof shall be referred to the sole arbitrator or the person appointed by the Chief Engineer, IWAI, in charge of work. At the time of such appointment, it will be no objection to any such appointment that the arbitrator so appointed is a IWAI/Government servant that he had deal with the matter to which the contract relates and that in the course of his duties as Govt. servant he had expressed views on all or any of the matters in disputes or difference. The arbitrator to whom the matter is referred being transferred or vacating his office or being unable to act for any reasons, such C.E. or administrative head as aforesaid at the time of such transfer vacation of office or inability to act shall appoint another to act as arbitrator in accordance with the terms of the contract. Such persons shall be entitled to proceed with the reference from the stage at which it was left by his predecessor, it is also a term of this contract that one person other than a person appointed by such Chief Engineer or administrative head of the IWAI as aforesaid should act as arbitrator and of fore any reason, that is not possible, the matter is not to be referred to arbitration at all.
21. Subject to as aforesaid the provisions of the Arbitration Act, 1940, or any statutory modification or re-effacement thereof and the rules made there under and for time being in force shall apply to the arbitration proceedings under this clause.
22. It is a term of the contract that the party invoking arbitration shall specify the disputes to be referred to arbitration under this clause together with the amount or amounts claimed in respect of such dispute.

The arbitrator(s) may from time to time with consent of the parties enlarge the time, for making and publishing the award.

- 22 (a) The arbitrator/s shall make such inquiries and shall call upon such evidences as he may deem fit.
- 22 (b) The arbitrator/s may call upon the parties for their personal appearance before him on the date fixed by him at the specified time and place.
- 22 (c) That in case of non-appearance of either of the parties the arbitrator/s shall proceed ex-parte.
- 22 (d) The decision of the arbitrator/s shall be binding on the parties their legal representatives, successors and heirs.
- 22 (e) The cost of the reference shall be on the sole discretion of the arbitrator/s.

23. On the breach of any terms or conditions of this contract by the said owner/ IWAI shall be entitled to forfeit the security deposit or the balance thereof that may at that time be remaining and to release and retain the same as damages and compensation for the said breach but without prejudice to right of the said owner/IWAI to recover any further sums as damages from any sums due or which may become due to the contractor by Government or otherwise howsoever.
24. Without prejudice to any of the right or remedies under this contract. If the contractor dies the Engineer-in-Charge on behalf of Chairman, IWAI shall have the option of terminating the contractor without compensation of the contractor.
25. (1) Whenever any claim against the contractor for the payment of a sum of money arise out or the under the contract, IWAI shall be entitled to recover such sum by appropriating in part or whole the security deposit of the contractor and to sell any of his equipment etc. at site. In event of the security being insufficient or if no security has been taken from the contract then the balance or the total sum recoverable as the case may be, shall be deducted from any sum hence due or which at any time thereafter may become due from the contractor under this or any other contract with the Government. Should this sum be not sufficient to cover the full amount recoverable, the contractor shall pay to IWAI/Government on demand the balance remaining due?
- (2) IWAI/Government shall have the right to cause an audit and technical examination of the works and final bill of the contractor including all supporting vouchers abstract etc. to be made after payment of final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed by him to have been done by him under contract and found not to have been executed the contract shall be lawful for Government to recover the same from him in the manner Described in sub clause (1) of this clause or in any other manner legally permissible and if as a result of audit and technical examination, it is found that contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by IWAI to the contractor.
- (3) PROVIDED that IWAI/Government shall not be entitled to recover any sum overpaid, not the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the Engineer-in-Charge on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by the Competent Authority.

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## **SPECIAL CONDITION**

### **1.0 Scope of the work:**

- 1.1** Repair and maintenance of IWAI staff flats/quarters in Udaygiri and Arawali apartments, Sector-34 Noida shall include all the works required for renovation of flats/quarters and making them livable including civil, plumbing and electrical works. After carrying out these works the flats/quarters and making these fit for occupation by the staff of IWAI.
- 1.2** The work is to be done in different flats / quarters at different floors. A list of these flats / quarters along with the floor number is given as Annexure-III.

### **2.0 Rates:**

- 2.1** The rates quoted by the tenderer, shall be firm and inclusive of all taxes (including works contract taxes), duties and levies, octroi and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site i/c temporary constructional storage, risks, overhead charges general liabilities/obligations and clearance form local authorities. However, the fee for inspections shall be borne by the department (Goods & Service Tax (GST) will be paid extra as per rule).
- 2.2** Rate quoted shall be applicable for all floors including scaffolding, staging, material lifting arrangements, etc. as may be required for satisfactory completion of work.

### **3.0 Payment**

- 3.1** The payment will be made only for the quantity actually supplied, executed and certified.
- 3.2** Payment will be made on completion of each item of work. However, payment of part quantity would be considered. Contractor shall submit their running bill for the payment after the measurement is recorded by the representative of the Engineer-in-charge in the measurement books. Part rate payment will not be permitted.
- 3.3** Necessary deduction for TDS etc. shall be made from the bills.
- 3.4** Security Deposit: Security Deposit shall be deducted from each running bill and the final bill to the extent of 10% of the gross amount. The earnest money deposit shall be adjusted against this security deposit. The security deposit value shall be released on the expiry of guarantee period stipulated in the contract.

### **3.0 Period of Completion**

The completion period of 4 Months indicated in the tender documents is for the entire work of planning, mobilization and execution to the satisfaction of the Engineer-in-charge.

### **4.0 Goods & Service Tax (GST):**

Goods & Service Tax (GST) will be paid extra as per rule / as applicable.

### **5.0 Guarantee**

- 5.1** All equipments shall be guaranteed for a period of 12 months form the date of taking over the installation by the department against unsatisfactory performance and /or break down due to

defective design, workmanship of material. The equipment's of components, or any part thereof, so found defective during guarantee period shall be forth with repaired or replaced free of cost, to the satisfaction of the Engineer-in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final.

## **6.0 Power Supply**

Electric supply shall be arranged by the tenderer on their own cost.

## **7.0 Water Supply**

Water supply shall be arranged by the tenderer on their own cost.

## **8.0 General Specification**

- 8.1 The material and work shall confirm to the latest version of relevant codes/specifications of Bureau of Indian Standard and as per direction of Engineer-in-charge or his authorized representative.
- 8.2 The work is to be done in such a way that the occupants living on other floors of the same block are not affected / disturbed.
- 8.3 No form regarding sales tax, trade tax or any other exemption, etc. will be supplied by IWAI. However, department would assist for the contractor for arranging these documents at contractor's cost by writing to the concerned authorities only. Supply or arrangement of these forms, if required, shall be responsibility of the contractor.
- 8.4 All labours, materials, tools plants, machinery, equipments, and any other things required for execution for work shall be arranged by the contractor at his own cost. Contractor shall ensure the satisfactory completion of work.
- 8.5 All arrangements for establishment, watch & ward of stores and security of sites, permits, license, appropriate vehicles for transportation, handling, etc. shall have to be made by the contractor at his own cost and nothing extra on this account shall be paid.
- 8.6 The cost associated with preparation and submission of bid shall be borne by the bidder. The cost of stamp duties, etc. required in connection with contract agreement shall be borne by the bidder.
- 8.7 The Engineer-in-charge may issue instructions to the contractor; which may be necessary for the Contractor to perform his obligations under the contract. The contractor or his authorized representative shall be available for taking the instructions from the Engineer-in-charge or his authorized representative.
- 8.8 The Contractor shall be deemed to have satisfied himself as to the correctness and sufficiency of the Contract Price. The Contract Price covers all the Contractor's obligations under the Contract and all things necessary for the proper design. Execution and completion of the works.
- 8.9 The Contractor shall take all reasonable steps to protect the environment and to limit damage and nuisance to people and property resulting from pollution, noise dust, gases, fuel and other results of his operations.

- 8.10 On the completion of the works, the contractor shall clear and remove from the site all construction plants, temporary works, surplus materials and rubbish of every kind and leave the site and Flats clean to the satisfaction of the Officer in charge.
- 8.11 The contractor shall inspect the site before quoting their rates so that the extent of civil, electrical, plumbing and associated works for repair and maintenance of the flats / quarters are known to them and the rates are quoted accordingly.
- 8.12 If at any time, during the execution of this order, Contractor is unable to execute the work within the specified schedule, IWAI shall be entitled, at their option to terminate the order without prejudice, to any other rights IWAI may have as a result of the failure on contractor's part. IWAI shall have the right to execute the work it from other sources at contractor's risk and cost by giving a suitable notice.
- 8.13 The material supplied and installed shall be guaranteed against any defect or workmanship for a period of 12 calendar months from the date of completion. During this guarantee period, in case of any defective material or workmanship, contractor will undertake to repair or replace any part, assembly or portion thereof, at the site without any cost to IWAI. He will also undertake to attend complaint at the site within 24 hours of getting the intimation either by telephone, letter or fax. The guarantee shall be given by the contractor on non-judicial stamp paper before the submission of final bill. Normal wear and tear of moving parts would be allowed. No repair under guarantee period due to negligence of the allot tee would be considered.
- 8.14 The Contractor shall execute and complete the works in accordance with the contract, and shall rectify the defects in the works.
- 8.15 Contractor shall start the work in lots of 10(Ten) flats at a time and after completion of works in these 10 flats he shall proceed for next lot of 10 flats. The priority of flats which are required to be completed first will be given by the Officer-in-charge. After satisfaction of the Officer-in-charge, the next lot of flats would be allowed for undertaking execution of works by the contractor.

## **9.0 Validity**

Tenders shall be valid for acceptance for a period of 90 days from the date of opening of price bid.

## **10.0 Indemnity**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising therefrom during the period of erection, construction and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

## **11.0 Cooperation with other agencies**

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of building, if any, exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department



for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself.

#### **12.0 Mobilization Advance**

No mobilization advance shall be paid for this work.

#### **13.0 Insurance and Storage**

All consignments are to be duly insured the cost of the supplier. The insurance covers shall be valid till the equipment is handed over duly installed, tested and commissioned.

#### **14.0 Interpreting Specifications**

In interpreting the specifications, the following order of decreasing importance shall be followed in case of contradictions:

- (a) Schedule of quantities
- (b) Technical specifications
- (c) Drawing (if any)
- (d) General Specifications
- (e) Relevant IS or other international code in case IS code is not available.

#### **15.0 Specifications**

The work shall be carried out as per CPWD General Specifications for civil works 2009 with upto date correction slips and CPWD General Specifications for Electrical Works and as per directions of Engineer-in-charge.

#### **16.0 Programme Chart**

16.1 The Contractor shall prepare an integrated programme chart in MS Project software for the execution of work, showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the programme within the stipulated period or earlier and submit the same for approval to the Engineer-in-Charge within ten days of award of the contract. **A recovery of Rs. 1000/ shall be made on per day basis in case of delay** in submission the above programme subject to a max. of **Rs. 20,000/-**.

16.2 The programme chart should include the following:

- (a) Descriptive note explaining sequence of the various activities.
- (b) Network (PERT / CPM / BAR CHART).
- (c) Programme for procurement of materials by the contractor.
- (d) Programme of procurement of machinery / equipments having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.

- 16.3 If at any time, it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved programme referred above, the contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work. The modified schedule of programme shall be approved by the Engineer in Charge.
- 16.4 The submission for approval by the Engineer-in-Charge of such programme or the furnishing of such particulars shall not relieve the contractor of any of the duties or responsibilities under the contract. This is without prejudice to the right of Engineer-in-Charge to take action against the contractor as per terms and conditions of the contract.

## **17 Force Majeure:**

- 17.1 If at any time during the continuance of this contract, it becomes impossible by reason of war, warlike operation, strikes, riots, civil commotion, epidemical sickness, pestilence, earthquake, fire, storm or floods; then the contractor shall during the continuance of such calamities be not bound to execute the contract provided always that the work shall be resumed immediately on the cessation or otherwise termination of the calamity and his obligations under various clauses of this contract shall continue to be in force and time necessary for the fulfillment of his obligation shall be extended correspondingly to the period for which the calamity lasted.
- 17.2 Non availability of power due to any reason shall not constitute force majeure.
- 17.3 Contractor will inform the Officer in charge by fax, followed by confirmation by registered post, with appropriate documentation in support of the beginning and end of force majeure conditions as per clause stated above, execution/delivery period will suitably be extended by Officer in charge if the cause for the delay are beyond the control of contractor and are covered under the clause 24.1 above.

## **18.0 Unsatisfactory Performance**

- 18.1 In case of unsatisfactory performance / progress / services by the Contractor, IWAI shall have the right to issue a show cause notice to the contractor requiring him to explain the reason thereof.
- 18.2 In case of continuation of such unsatisfactory performance / progress / services. IWAI reserves the right to rescind the contract and get the balance work executed at the risk and cost of the contractor.

## **19.0 Notice**

- 19.1 All notices and communications under the Contract shall be given in writing and any oral orders / instruction given shall be confirmed in writing and no such communication which is not given or confirmed in writing shall be valid.
- 19.2 All instruction notices and communications shall be deemed to have been duly given or sent to the contractor, if delivered to the contractor or his authorized representative , or left at, or posted to the address given by the contractor or his authorized representative or to the last known place of his residence or business of the contractor by post, shall be deemed to have been served on the date when in the ordinary course of post, these would have been delivered to him and in other cases on the day on which the same were so delivered or left.
- 19.3 This contract embodies the entire understanding of the parties as to its subject matter and shall not be amended except in writing executed by both parties and subject to the approval of the concerned authorities.

**20.0 Jurisdiction**

Only the Courts in Noida (Gautam Budh Nagar) shall have jurisdiction to entertain try and determine or adjudicate all section, Suits and legal proceedings arising out of or in relation to these proceedings arising out of arbitration or otherwise between the parties.

**21.0 Laws Governing The Contract**

This contract shall be construed and interpreted in accordance with and shall be governed by the laws of India, which have the most intimate connection with the performance of obligation of parties and the proper laws of the Contract.

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## **TECHNICAL SPECIFICATIONS**

### **A. GENERAL**

- (i) The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidance only).
- (ii) The work shall be executed as per the latest CPWD specifications.
- (iii) Rate of extra and substitute items are to be calculated as per CPWD norms and specifications.

### **B. CIVIL WORK**

- (i) All stone aggregate shall be of hard stone variety.
- (ii) Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality. Sand to be got approved from the officer-in-charge and screened as required.
- (iii) Painting, White Washing and Distempering.
  - (a) Synthetic enamel paint/Dry distemper shall be brought in original containers and in sealed tins, packets.
  - (b) All other materials used in painting work other than brand specified in list of approved materials shall be approved by the officer-in-charge prior to start of work.
  - (c) All painting work shall be carried out strictly as per the manufacturer's specification. The surface shall be prepared by removing of whitewash/enamel paint/distemper by scraping and sand papering and before applying the coat the prepared surface shall be got approved by the officer-in-charge.

### **C. SANITARY AND WATER SUPPLY**

- (i) The contractor shall be responsible of the protection of sanitary and water supply fittings and also against breakage during the period of fixation and thereafter until the flats are handed over.
- (ii) All sanitary and water supply lines shall be tested in the presence of the officer-in-charge or his representative.

### **D. STEEL WORK**

- (i) Frames: Both the fixed and openable frames shall be made of sections which have been cut to length and mitred. The corner of fixed and openable frames shall be welded to form a solid fused welded joint conforming the requirements given below. All frames shall be square and flat. The process of welding adopted shall be flush but welding.
- (ii) The section for glazing shall be tennoned and riveted into the frames and where they intersect the vertical tie shall be broached and horizontal tee threads through it, and the intersection closed by hydraulic pressure.
- (iii) For fixing steel hinges, slot shall be cut in the fixed frame and hinges inserted inside and welded to the frame at the back. The hinges shall be of projecting type with thickness not less than 3.15 mm and length not less than 65 mm and width not more than 25 mm. Non projecting type hinges may also be allowed of approved by the Engineer-in-Charge. The diameter of hinge pins shall not be less than 6 mm. the hinge pin and washer shall be of galvanized steel or aluminum alloy of suitable thickness.

- (iv) For fixing hinges to inside frame, the method described above may be adopted but the weld shall be cleaned, or the holes made in the inside frame and hinge riveted.
- (v) The contractor shall prepare and submit working/ shop drawing for leader and trap-door before execution of work for approval of Engineer-in-Charge.

**(E) ELECTRICAL WORK**

- (i) work shall be carried out as per CPWD General Specification for Electrical works (part-I internal) latest as amended up to 30.11.2017.
- (ii) At the completion of the work and before issuance of certificate of virtual completion, the contractor shall submit to the Engineer-in-charge layout drawing drawn on tracing film and approved scale indicating the complete wiring as installed.
- (iii) The contractor shall be deployed licensed supervisors and skilled workers having valid permits as for the regulation of Indian Electricity rule and local Electrical inspectors requirements.

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## **LIST OF ACCEPTABLE MATERIAL**

### **CIVIL WORK**

S. No.	Name of Material	Make/Brand Name
1.	Cement	Birla, J.K., L & T, ACC, Shree Ultra
2.	Vitrified tiles	Kajaria, Nitco,
3.	Water proofing compound	Dr. fixit
4.	White Cement	J.K. ,Birla
5.	Textured Paint	Asian Paint, , Nerolac , Berger Paints
6.	Acrylic Distemper	Asian Paint, , Nerolac , Shalimar Paints, Berger Paints
7.	Synthetic Enamel Paints	Asian Paint, , Nerolac , Shalimar Paints, Berger Paints
8.	Water Proofing Cement Paint	Super Snowcem, Durocem (British Paint), Shalimar Paint,
9.	MS Sections	Jindal, Rana, Jai Bharat
10.	MS Tube	Rana, Jindal, Koyal
11.	Flush Door Shutter	Duro, Century,
12.	Commercial board	Duro, Century, Kit
13.	Commercial ply	Duro, Century, Kit
14.	Aluminium door fitting	Aakriti

### **SANITARY AND WATER SUPPLY**

1.	S.C.I. Pipe & Fittings	NECO, RIF
2.	CPVC Pipe	Prince, Austral
3.	Brass & CP brass fitting	

### **ELECTRICAL WORK**

1.	Wire/Cable	Havells, Finolex, Skytone, Kalinga
2.	PVC Conduit & Fittings	AKG, CCK, Prakash
3.	Switch & Sockets	Anchor, Havells
4.	PVC tape	Steelgrip,Anchor

# ANNEXURE- I

## PROFORMA FOR AGREEMENT

(TO BE SUBMITTED ON RS.100/- NON JUDICIAL STAMP PAPER)

CONTRACT AGREEMENT FOR THE WORK OF .....

Made this ..... Day of.....

Between..... M/s .....

Hereinafter called the “Contractor” (which terms shall unless excluded by or repugnant to the context include its successors and permitted assigns) of the one part; and Inland Waterways Authority of India, A-13, Sector- 1 Noida- 201301 (U.P.) hereinafter called the “OWNER” (which terms shall unless excluded by or repugnant to the context include its successors and permitted assigns) of the other part.

### WHEREAS

- a) OWNER being desirous of getting executed the WORK mentioned, enumerated or referred to in the Bid Document including Notice Inviting Tender, Instruction to Bidders, General Condition of Contract, Special Conditions of Contract, Specifications, Time Schedule, Letter of Acceptance of Bid and other documents has invited Bids.
- b) CONTRACTOR has inspected SITE and surroundings of WORK specified in the Bid Documents and satisfied himself by careful examination before submitting his Bid as to the nature of the quantities, nature and magnitude of WORK, availability of equipment etc. necessary for the execution of WORK, the means of access to SITE, the position of supply of power and water thereto and the accommodation he may require and has made local and independent enquiries and obtained complete information as to the matters and things referred to, or implied in the Bid Document or having any connection therewith, and has considered the nature and extent of all probable and possible situation, delays, hindrances or interferences to or with the execution and completion of WORK, to be carried out under this CONTRACT, and has examined and considered all other matters condition and things and probably and possibly contingencies, and generally all matters incidental thereto and ancillary thereof effecting the execution and completion of WORK and which might have influenced him in making his Bid.
- c) The Invitation to Bid, instructions to Bidders, General Conditions of Contract, Description of Works and specifications, Plans, Time Schedule, Letter of Acceptance of Bid any and any other documents and enclosures, copies of which are hereto annexed are included in the expression “CONTRACT” :

### AND WHEREAS

OWNER accepted the Bid of CONTRACTOR for the provision and the execution of WORK at the CONTRACT PRICE as indicated in the letter of award of work upon the terms and subject to the conditions of Contract.

Now this CONTRACT AGREEMENT witnesseth and it is hereby agreed and declared as follows:

1. In consideration of the payment to be made to CONTRACTOR for WORK to be executed by him, CONTRACTOR hereby covenants with OWNER that CONTRACTOR shall and will duly provide, execute and complete the work and things in CONTRACT, mentioned or described or which are to be implied therefrom or may be reasonably necessary for completion or stipulations mentioned in CONTRACT.
2. In consideration of the due provision, execution and completion of WORK by the CONTRACTOR in accordance with the terms of the CONTRACT, the Owner does hereby agree with CONTRACTOR that OWNER will pay to Contactor the respective amount for the work actually done by him and approved by Owner as per Payment Terms accepted in CONTRACT and payable to CONTRACTOR under provision of Contract; such payment to be made at such time and such manner as provided for in the CONTRACT.

**AND**

3. In consideration of the due provision, execution and completion of WORK, CONTRACTOR does hereby agree to pay such sums as may be due to OWNER for the services rendered by Owner to Contractor as set forth in CONTRACT and such other sums as may become payable to Owner towards loss, damage to the OWNER's equipment, materials etc. and such payments to be made at such time and in such manner as in provided in the CONTRACT.

IN WITNESS WHEREOF Parties executed these presents on the day and the year above written.

Signed and Delivered for  
and on behalf of  
CONTRACTOR  
.....  
.....

Signed and Delivered for  
and on behalf of  
OWNER (IWAI)  
.....  
.....

Date: .....

Date: .....

Place: .....

Place: .....

In presence of Witness (Signature with Name & Address)

1. ....  
.....
2. ....  
.....

1. ....  
.....
2. ....  
.....



**PROFORMA FOR EXPERIENCE**

**DETAILS OF SIMILAR WORKS CARRIED OUT BY THE FIRM**

**(SEPARATE SHEETS MAY BE ATTACHED)**

NAME OF ORGANISTON	NAME OF WORK	CONTRACT VALUE	SCHEDULED DATE OF COMPLETION (EXTN. OF TIME IF ANY)	ACTUAL REASON FOR DELAY IN COMPLETION
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**ANNEXURE – III**

**LIST OF IWAI STAFF FLATS/QUARTERS IN UDAYGIRI AND ARAWALI APARTMENTS, SECTOR – 34, NOIDA.**

**(A) ARAWALI APARTMENTS, B- 3, SECTOR – 34, NOIDA**

<b>S. No.</b>	<b>FLOOR</b>	<b>Flats/quarters Nos.</b>	<b>Qty. in number</b>
1.	(a) Ground Floor	202	1 No.
2.	(b) First Floor	204	1 No.
3.	(c) 2 <sup>nd</sup> Floor	205, 206	2 No.
4.	(d) 3 <sup>rd</sup> Floor	151, 152, 159, 160, 167, 168, 175, 176, 183, 184, 191, 192, 199, 200, 207, 208, 215, 216, 223, 224, 231, 232, 239, 240	24 Nos.
		<b>Total</b>	<b>28 Nos.</b>

**(B) UDAYGIRI APARTEMENTS, B- 9, SECTOR- 34, NOIDA**

<b>S. No.</b>	<b>FLOOR</b>	<b>Flats/quarters Nos.</b>	<b>Qty. in number</b>
1.	(a) 2 <sup>nd</sup> Floor	10C, 37C, 50C,	3 Nos.
2.	(b) 3 <sup>rd</sup> Floor	2D, 3D, 4D, 5D, 6D, 7D, 8D, 9D, 10D, 12D, 19D, 29D, 54D, 57D, 58D,	15 Nos.
		<b>Total</b>	<b>18 Nos.</b>

**(C) UDAYGIRI APARTEMENTS, B- 10, SECTOR- 34, NOIDA**

<b>S. No.</b>	<b>FLOOR</b>	<b>Flats/quarters Nos.</b>	<b>Qty. in number</b>
1.	1 <sup>st</sup> Floor	132 B, 137B	2
2.	2 <sup>nd</sup> Floor	89C, 212C,	2
3.	3 <sup>rd</sup> Floor	102D, 156D, 171D	3
		<b>Total</b>	<b>7 Nos.</b>



**INLAND WATERWAYS AUTHORITY OF INDIA**

(Ministry of Shipping, Government of India)

**A-13, SECTOR-1**

**NOIDA – 201 301 (U.P)**

**TENDER NO. : IWAI/PR/RE/Flats/01/2014(Vol-2)(T/1/17-18)**

**Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri  
Apartments at Sector-34, Noida.**

**PART – II**

**PRICE BID**

### Bill of Quantities

**Name of Work: - Repair and maintenance of IWAI Staff Flats/Quarters in Arawali and Udaygiri Apartment at Sector-34, Noida.**

**(A) Civil Work**

Item/ S. No.	Description of items	Qty.	Unit		
1.	Repair to plaster of thickness 12 mm to 20 mm in patches 2.50 sq. metre and under including cutting the patch in proper shape, ranking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground with in 50 m lead:- (a) With cement mortar 1:4 (1 cement: 4 fine sand. (DSR item No. 14.1.1/page 242) (b) With cement mortar 1:4 (1 cement: 4 coarse sand) (DSR item No. 14.1.2/page 242)	352.00	Sqm.		
		60.00	Sqm.		
2.	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of (DSR item No. 13.22/page-229)	113.00	Sqm.		
3.	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge. (DSR item No. 13.12/page 228)	90.00	Sqm.		
4.	Providing and fixing chicken mesh with nails in RCC structure between 2 lair of plaster. (Non schedule item)	55.00	Sqm.		
5.	Providing and applying cement slurry coat mixed with water proofing cement compound over 22 mm thick layer of cement mortar 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound on terrace after racking of joints and filling with cement mortar 1:3 (1 cement : 3 coarse sand) as required. (Non-Schedule item)	725.83	Sqm.		
6.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: a) Cement mortar 1:4 (1 cement : 4 coarse sand) (DSR item No. 6.1.1/page 111)	5.55	Cum		
7.	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.: a) Cement mortar 1:3 (1 cement :3 coarse sand)	139.04	Sqm.		

	(DSR item No. 6.13.1/page 112)				
8.	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry. (DSR item No. 6.15/page 112)	139.04	Sqm.		
9.	12 mm cement plaster of mix : a) 1:4 (1 cement: 4 fine sand) (DSR item No. 13.1.1/page 227)	164.54	Sqm.		
10.	15 mm cement plaster on the rough side of single or half brick wall of mix : a) 1:4 (1 cement: 4 fine sand) (DSR item No. 13.2.1/page 227)	164.54	Sqm.		
11.	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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 600 x 600 mm (DSR item No. 11.41.2/page 197)	627.50	Sqm.		
12.	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles. (DSR item No. 11.42/page 197)	627.50	Sqm.		
13.	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness. (DSR item No. 11.43/page 197)	627.50	Sqm.		
14.	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. (DSR item No. 14.43/page 246)	2472.50	Sqm.		
15.	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). a) Size of Tile 600 x 600 mm (DSR item No. 11.47.2/page 198)	111.54	Sqm.		
16.	Removing dry or oil bound distemper, water				

	proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete. (DSR item No. 14.46/page 246)	1959.44	Sqm.		
17.	White washing with lime to give an even shade : (a) Old work (two or more coats) (DSR item No. 14.42.1/page 246)	600.00	Sqm.		
18.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : a) One or more coats on old work (DSR item No. 14.54.1/page 247)	2630.06	Sqm.		
19.	Finishing walls with water proofing cement paint of required shade : a) Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat. (DSR item No. 14.64.1/page 248)	2251.96	Sqm.		
20.	Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer and of required shade and colour complete. as per manufacturer's specification. a) One or more coats on old work (DSR item No. 14.63.1/page 248)	4751.44	Sqm.		
21.	Extra for one/single coat of following: a) Water proofing cement paint. b) Distemping with acrylic wash able distemper. (Non schedule item)	2251.96 4751.44	Sqm. Sqm.		
22.	White washing with lime to give an even shade : a) New work (three or more coats) (DSR item No. 13.37.1/page 230)	100.00	Sqm.		
23.	Distemping with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. a) Two or more coats on new work (DSR item No. 13.42.1/page 230)	374.00	Sqm.		
24.	Finishing walls with water proofing cement paint of required shade : a) New work (Two or more coats applied @ 3.84 kg/10 sqm) (DSR item No. 13.44.1/page 230)	300.00	Sqm.		
25.	Finishing walls with textured exterior paint of required shade : a) New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm (DSR item No. 13.45.1/page 231)	1979.60	Sqm.		

26.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : a) Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture (DSR item No. 13.62.1/page 233)	300.00	Sqm.		
27.	Repair of existing steel door frame and shutter made of MS tube, wire gauze and frame of MS angle or tee section etc. by replacement of wire gauze, required steel sanction, hinges and including cost of required screws and welding etc. complete. (Non-schedule item)	12	Nos.		
28.	Providing and fixing MS hinges in existing doors and windows frame of size: a) 100 mm b) 75 mm (Non schedule item)	40 46	Nos. Nos.		
29.	Providing and fixing steel door shutter made of MS tube of size 50 x 35 mm of 16 gauge with wire gauze and frames of mild steel angle of tee section of size 40 x 40 x 6 mm. joints mitred and welded with 15 x 3 mm lugs 10 cm long embedded in cement concrete blocks 15 x 10 x 10 cm of 1:3:6 (1 cement: 3 coarse sand: 6 stone aggregate 12.5 mm nominal size) or with wooden plugs and screws or rawl plug and screws or with fixing clips or with bolts and nut as required including fixing of necessary butt hinges, screws, sliding door bolts, lock etc. complete as per direction of engineer-in-charge. (Non-schedule item)	12.00	Sqm.		
30.	Providing and fixing steel glazed window shutters of standard rolled steel section joints mitred and welded with existing window frame including providing and fixing of 4 mm thick glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fitting except necessary hinges as required. (Non-Schedule item)	25.00	Sqm.		
31.	Providing and fixing steel wire gauze windows and ventilators of standard rolled steel sections, joints mitered and welded with 15 x 3 mm lugs, 10 cm long embedded in cement concrete block 15 x 10 x 10 cm of 1:3:6 (1 cement: 3 coarse sand : 6 stone aggregate 20 mm nominal size) or with wooden plug and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required with galvanized MS wire gauze of average width of aperture 1:4	25.00	Sqm.		

	mm with wire of dia 0.63 mm of approved make with necessary fixing arrangement like MS beading as required including applying a priming coat of approved steel primer and necessary hinges or pivots as required. a) Window side hung (Non Schedule item)				
32.	Providing and fixing bright finished brass casement window fasteners of minimum weight 200 grams to side hung steel windows with necessary welding and machine screws etc. complete. (Non-Schedule item)	30	Nos.		
33.	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side/top/centre hung, with beading and all members such as F7D, F4B, F11B and K12B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tanned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). a) Fixing with 15 x 3 mm lugs 10 cm long embedded in cement concrete block 15 x 10 x 10 cm of CC. 1:3:6 (1 cement: 3 coarse sand : 6 stone aggregate 20 mm nominal size) (DSR item no. 10.11 page no. 183)	500	Kg.		
34.	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. as required. a) In gratings, frames, guard bar, ladder, railing, brackets, gates and similar works. (DSR item no. 10.25.2 page no. 185)	100.00	Kg.		
35.	Repair of tank platform by making half brick masonry of height to 0.25 m, finishing of platform & brick wall with count plaster 1:3 (1 cement : 3 Coarse sand) with neat punning after filling concrete in voids and making drain all around tank to rain water pipe by concrete and neat cement punning complete as per direction of Engineer-in- Charge. (Non-Schedule item)	20	Job		
36.	Removing of Peepal tree from slab & brick wall after dismantling of brick wall or slab if required, removing all/making same the good by brick work plaster and concrete complete as per direction of Engineer-In-Charge. (Non-Schedule item)	10	Job		



37.	Repair of slab, chhajja and fins/latak etc. by filling of concrete : 1 ½ : 3 (1 cement : 1 ½ coarse sand : steno aggregate 12.5 mm nominal size complete as per direction of Engineer-In-Charge. (Non-Schedule item)	1.00	Cum		
38.	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) (DSR item no. 21.1.1.1 page no. 374)	1411.20	Kg.		
39.	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) (DSR item no. 21.1.2.1 page no. 374)	415.00	Kg		
40.	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-In-Charge. (DSR item no. 14.81 page no. 250)	4	Nos.		
41.	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-In-Charge. (DSR item no. 14.82 page no. 250)	4	Nos.		
42.	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes within				

	50 metres lead as per direction of Engineer – In-Charge. a) Internal work – Exposed on wall (DSR item no. 14.84 page no. 250)	400.00	M		
43.	Taking out existing wooden door shutter, repair by cutting, painting etc. and re-fixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-In-Charge. (DSR item no. 14.85 page no. 250)	14.70	Sqm		
	<b>B) SANITARY &amp; PLUMBING WORK</b>				
44.	Providing & fixing white vitreous china water closet squatting pan (Indian type) along with “S” or “P” trap including dismantling of old WC seat and “S” or “P” trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per direction of the Engineer-In-Charge. a) Orissa pattern W.C Pan of size 580 x 440 mm (DSR item no. 14.80.2 page no. 250)	1	No.		
45.	Providing and fixing white vitreous china water closet squatting pan (Indian type) : a) Orissa pattern W.C. pan of size 580 x 440 mm (DSR item no. 17.13.2 page no. 295)	4	Nos.		
46.	Providing and fixing white vitreous china pedestal type (European type/wash down type) water closet pan. (DSR item no. 17.15 page no. 295)	2	Nos.		
47.	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. a) 10 litre capacity – White (DSR item no. 17.18.1 page no. 295)	10	Nos.		
48.	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete : a) White solid plastic seat with lid (DSR item no. 17.20.1 page no. 296)	2	Nos.		
49.	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : a) Flat back wash basin of size 450 x 300 mm (DSR item no. 17.25.5 page no. 296)	6	Nos.		
50.	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe				

	a) 32 mm dia (DSR item no. 17.28.2.1 page no. 297)	10	Nos.		
	b) 40 mm dia (DSR item no. 17.28.2.2 page no. 297)	7	Nos.		
51.	Providing and fixing 600 x 450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. (DSR item no. 17.31 page no. 297)	5	Nos		
52.	Providing and fixing soil, waste and vent pipes: 75 mm diameter a) Sand cast iron S&S pipe as per IS: 1729 (DSR item no. 17.35.2.1 page no. 297)	9.20	M		
53.	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work – Exposed on wall a) 15 mm nominal outer dia Pipes (DSR item no. 18.7.1 page no. 325) b) 20 mm nominal outer dia Pipes (DSR item no. 18.7.2 page no. 325) c) 25 mm nominal outer dia Pipes (DSR item no. 18.7.3 page no. 325)	5.00 90.00 233.00	M M M		
54.	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge. External Work a) 25 mm nominal outer dia Pipes (DSR item no. 18.9.3 page no. 325,326)	113.00	M		
55.	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. a) 15 mm nominal nominal bore (DSR item no. 18.10.1 page no. 326) b) 20 mm nominal nominal bore (DSR item no. 18.10.2 page no. 326)	50.00 50.00	M M		
56.	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : a) 15 mm nominal bore (DSR item no. 18.49.1 page no. 334)	55	Nos.		
57.	Providing and fixing C.P. brass long body bib				

	cock of approved quality conforming to IS standards and weighing not less than 690 gms. a) 15 mm nominal bore (DSR item no. 18.51.1 page no. 334)	20	Nos.		
58.	Providing and fixing brass bib cock of approved quality : a) 15 mm nominal bore (DSR item no. 18.15.1 page no. 327)	50	Nos.		
59.	Providing and fixing brass stop cock of approved quality : a) 15 mm nominal bore (DSR item no. 18.16.1 page no. 327)	25	Nos.		
<b>C) Wood and Misc. work</b>					
60.	Repair of existing wooden cabinet in kitchen by using 19 mm thick, commercial board, mica, fevicol, nails, screws and hinges etc. (Non-Schedule item)	30.00	Sqm.		
61.	Providing and fixing curtain rod matching with existing curtain rod including cost of screws, fitting etc. complete. (Non-Schedule item)	100.00	M.		
62.	Providing & fixing new wooden kitchen cabinet made with 19 mm thick commercial board and finished with laminate from outside and synthetic enamel paint from inside matching with existing wooden cabinet complete including all required fittings and direction of Engineer-In-Charge. (Non-Schedule item)	30.00	Sqm.		
63.	Providing and fixing 4 mm. thick glass panes in existing steel/wooden window shutter with bidding or sash putty including cost of nails, screws and bidding if required complete at all heights. (Non Schedule item)	25.00	Sqm.		
64.	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws (DSR item no. 9.21.1 page no. 148)	89.26	Sqm.		
65.	Providing and fixing aluminium sliding door bolts, ISI marked anodised anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : a) 250 x 16 mm (DSR item no. 9.96.2 page no. 158)	40	Nos.		
66.	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less				

	than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : a) 250 x 10 mm (DSR item no. 9.97.2 page no. 158) b) 150 x 10 mm (DSR item no. 9.97.4 page no. 158)	80	Nos.		
		80	Nos.		
67.	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : a) 100 mm (DSR item no. 9.100.2 page no. 159)	80	Nos.		
68.	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. a) Twin rubber stopper (DSR item no. 9.101.2 page no. 158)	40	Nos.		
69.	Providing and fixing aluminium sheet of required size on door shutter of toilet complete as per direction of Engineer-In-Charge. (Non-Schedule item)	36.00	Sqm.		
<b>D) Electrical work</b>					
70.	Supplying, receiving, storing, handling fixing and replacing following electrical fittings if required including cost of all wires, screws and tape etc. complete as per direction of Engineer-In-Charge. a) 5 A Switch b) 5 A Socket c) 16 A Switch d) 16 A Socket e) Fan regulation f) Bulb Holder g) Call bell h) Fancy light fittings (Non-Schedule item)	80 40 40 40 40 40 10 10	Nos. Nos. Nos. Nos. Nos. Nos. Nos. Nos.		
71.	Repair of existing wire lines in flat by strengthening channel or pipe conduct and replacing of conduct etc. if required complete with required fittings, screws, tape & fitting like bend & tee etc. as per direction of Engineer-In-Charge. (Non-Schedule item)	185.00	M		
72.	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.				

	A) Circular tank (DSR item no. 18.48A page no. 334)	2800.00	Ltr.		
73.	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. (DSR item no. 11.36 page no. 196)	50.00	Sqm.		
74.	Providing and laying Ceramic glazed floor tiles of size 300 x 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete. (DSR item no. 11.37 page no. 196)	20.00	Sqm.		
	Total				

(Goods & Service Tax (GST) will be paid extra as per rule / as applicable)

**(Rupees....**

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