PUDUCHERRY SLUM CLEARANCE BOARD
PUDUCHERRY

NOTICE INVITING TENDER

FORM - 6
NOTICE INVITING TENDER

Tender for the work of: Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar Reddyarpalayam, Oulgaret Municipality, Puducherry.

Approximate cost put to Tender: Rs.21,50,457/-

Earnest Money Deposit: Rs.43,010/-

Date of Tender: 22-03-2013

This tender contains: 59 Sheets.

Time allowed for the work: 4 (Four) Months (including monsoon period)

EXECUTIVE ENGINEER
Puducherry Slum Clearance Board
Puducherry.

1. Name of the contractor: 
2. Class of contractor: 
3. Date of application for tender: 
4. Date of receipt of application: 
5. Date of issue of tender: 
6. Receipt of EMD remitted: 

ASSISTANT ENGINEER (PLANNING)
Puducherry Slum Clearance Board, PUDUCHERRY
NOTICE INVITING TENDER

1. Item rate tenders / Percentage rate tenders are invited on behalf of the Puducherry Slum Clearance Board from approved and eligible contractors of C.P.W.D. and those of appropriate list of P & T, M.E.S. and Puducherry State P.W.D., for the work of “Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar, Reddiyarpalayam, Oulgaret Municipality, Puducherry”. The enlistment of the contractors should be valid on the last date of sale of tenders.

1.1 The work is estimated to cost Rs. 21,50,457/- This estimate, however, is given merely as a rough guide.

1.2 Tender will be issued to eligible contractor’s registered in Puducherry and Non-PWD contractors who produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:

   Experience of having successfully completed works during the last 7 years ending last day of the month previous to the one in which applications are invited.

   i) Three similar completed works costing not less than 40% of the estimated cost put to tender Rs.8.60 Lakhs.

   (OR)

   Two similar completed works costing not less than 60% of the estimated cost put to tender Rs.12.90 Lakhs.

   (OR)

   One similar completed work costing not less than 80% of the estimated cost put to tender Rs.17.20 Lakhs.

For the purpose of this clause “Similar works” means the works of Building works.

   The Value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum calculated from the date of completion to last date of receipt of applications for tenders.

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. 7/8 which is available with Puducherry Slum Clearance Board, Puducherry. Tenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.

3. The time allowed for carrying out the work will be 4 (Four) months including monsoon period from the tenth day after the date of written orders to commence the work or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

4. The site for the work is available.

   OR

   The site for the work shall be made available in parts as specified below:-

   At Lambert Saravanan Nagar, Reddiyarpalayam, Puducherry.

5. Receipt of applications for issue of forms will be stopped by 4:00 P.M. four days / three days before the date fixed for opening of tenders. Issue of tender forms will be stopped three / two days
before the date fixed for opening of tenders.

6. i) Tenders shall be accompanied with Earnest money of **Rs.43,010/-** in cash (upto Rs.10,000/-)/Receipt Treasury Challan/Deposit at Call receipt of a scheduled bank/fixed deposit receipt of a scheduled bank/demand draft of a scheduled bank issued in favour of the Executive Engineer, Pondicherry Slum Clearance Board, 50% of earnest money or Rs.20 lakhs, whichever is less, will have to be deposited in the shape prescribed above and balance amount of earnest money can be accepted in the form of Bank guarantee issued by a scheduled bank having validity for 6 months or more from the last date of receipt of tenders.

   ii) The tender and the earnest money shall be placed in separate sealed envelopes, each marked “Tender” and “Earnest Money” respectively.

   In cases where earnest money in cash is acceptable, the same shall be deposited with the cashier of the Division and the receipt placed in the envelope meant for earnest money. Both the envelopes shall be submitted together in another sealed envelope with the name of work and due date of opening written on envelope, which will be received by the Executive Engineer, Puducherry Slum Clearance Board upto **3.30 P.M. on 22-03-2013** and will be opened by him or his authorized representative in his office on the same day at 4.00 P.M. The envelope marked “Tender” of only those tenderers shall be opened, whose earnest money placed in the other envelope, is found to be in order.

7. Tender, documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the Office of the Executive Engineer, Puducherry Slum Clearance Board, Puducherry between 11:00 a.m. and 4:00 p.m. from .......... to .......... every day except on Saturdays, Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of **Rs.500/-** (+) plus 4% VAT in cash as cost of tender.

8. The description of the work is as follows :-

   “Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar, Reddiyarpalayam, Oulgaret Municipality, Puducherry”

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

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and
maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc., will be issued to him by the Puducherry Slum Clearance Board and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of the Puducherry Slum Clearance Board does not bind itself to accept the lowest or any other tender and reserves to itself the authority to any or all the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer, shall be summarily rejected.

10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

11. The competent authority on behalf of the Puducherry Slum Clearance Board reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

12. The contractor shall not be permitted to tender for works in the Puducherry Slum Clearance Board, Puducherry (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity, between the grades of Superintending Engineer and Assistant Engineer (both inclusive). He shall, also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the Puducherry Slum Clearance Board, Puducherry. Any breach of his condition by the contractor would render him liable to be removed from the approved list of contractors of this department.

13. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of Puducherry is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of Puducherry in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of Puducherry as aforesaid before submission of the tender or engagement in the contractor’s service.
14. The tender for the works shall remain open for acceptance for a period of **Ninety 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 is earlier or make any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

15. This notice inviting tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall within 10 days from the stipulated date of start of the work sign the contract, consisting of ---

(a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

(b) Standard Form 7/8

_Signature of Divisional Officer/
Sub-Divisional Officer_

.................................
For and on behalf of Puducherry Slum Clearance Board
PERCENTAGE RATE TENDER / ITEM RATE TENDER AND CONTRACT FOR WORKS

(A) Tender for the work of “Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar, Reddiyarpalayam, Oulgaret Municipality, Puducherry”

(i) To be submitted by 3:30 p.m. on 22-03-2013 to the Executive Engineer / Assistant Engineer, Puducherry Slum Clearance Board, Puducherry.

(ii) To be opened in presence of tenderers who may be present at 4:00 p.m. on 22-03-2013 in the Office of the Executive Engineer / Assistant Engineer, Puducherry Slum Clearance Board, Puducherry.

Issued to...................................................................................................................................................

(Contractor)

Signature of Officer issuing the documents...................................................................................................

Designation...........................................................................................................................................

Date of issue...........................................................................................................................................
TENDER

I/We have read and examined the notice inviting tender, Schedules A, B, C, D, E and F. Specifications applicable, drawings and designs, general rules and directions, conditions of contract, clauses of contract, special conditions, schedule of rates and other documents and rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Puducherry Slum Clearance Board within the time specified in Schedule ‘F’, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings, and instructions in writing referred to in Rule – 1 General Rules and Directions and in Clause 11 of the Conditions of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for Ninety (90) days from the due date of submission thereof and not make any modifications in its terms and conditions.

A sum of 43,010/- deposited (in Cash upto Rs. 10,000/-) / Receipt Treasury, Challan / Deposit at call Receipt of a Scheduled Bank as earnest money. If I / We fail to furnish the prescribed Performance guarantee. I/We agree that the said Executive Engineer, Puducherry Slum Clearance Board, Puducherry or his successors in the office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Scheduled in Schedule ‘F’ and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clauses 12.2 and 12.3 of the tender form.

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

I/We agree that should I/We fail to commence that work specified in the above memorandum, and amount equal to the amount of the earnest money mentioned in the form of invitation of tender and the performance guarantee shall be absolutely forfeited to the Puducherry Slum Clearance Board or his successors in office and the same may at the option of competent authority on behalf of the Puducherry Slum Clearance Board be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.

Dated……………………

Signature of Contractor
Postal address :

Witness :
Address :
Occupation :
PERCENTAGE RATE TENDER FOR CONSTRUCTION WORKS

I/we hereby tender for the execution for the Puducherry Slum Clearance Board of the work specified in the underwritten memorandum within the time specified in such memorandum at an amount of Rs…………….(Rupees……………)i.e………………………………..percent. below/Above the rates entered in the schedule ‘A’ and in accordance in all respects with the specifications, design, drawings and instructions in writing referred to in Rule 1 hereof and in clause 11 of the conditions of the contract and with such materials as are provided for, and in all other respects in accordance with such conditions as far as applicable. I/We hereby agree to the accordance with such conditions as for as applicable. I/we hereby agree to the percentage mentioned above being deducted from/added to the gross amount of the bills for work done.

Date: __________________________

Signature of contractor

Postal address: __________________________
ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Puducherry Slum Clearance Board for a sum of Rs……………… (Rupees…………………………………………………………………………………………………………………………………………………)

…………………………..)

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

(a)

(b)

(c)

For and on behalf of Puducherry Slum Clearance Board

Signature…………………………

Dated………………………… Designation…………………………
1. All works proposed for execution by contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in newspapers as the case may be.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from the bills. Copies of the specification, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or, in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power - of - attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.

3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where the contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having authority to give effectual receipts for the firm.

4. Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tenders shall have the name and number of the work to which they refer, written on the envelopes.

The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and less and considering more than fifty paise as rupee one.

4A. In case of Percentage Rate tenders, tender shall fill up the usual printed form, stating at what percentage below / above (in figure as well as in words) the total estimated cost given in Schedule of Quantities at Schedule ‘A’, he will be willing to execute the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.
5. The officer inviting tender or of his duly authorized Assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amount of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money forwarded therewith shall their upon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule – 1. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tenderers shall thereupon be returned to the contractor remitting the same, without any interest.

6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.

7. The receipt of an Accountant or Clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized cashier.

8. The memorandum of work tendered for and the schedule of materials to be supplied by Puducherry Slum Clearance Board and their issue rates shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the office to have this done before he completes and delivers his tender.

9. The tenderers shall sign a declaration under the Officials Secret Act, 1923 for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.

10. In the case of item rate tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filed in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount.
10A. In case of Percentage Rates Tenders only percentage quoted be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractor in Percentage Rate Tender shall be accurately filled in figures and words, so that there is no discrepancy. However, if the contractor has worked out the amount of the tender and if any discrepancy is found in the percentage quoted in words and figures, the percentage which corresponds with the amount worked out by the contractor shall, unless otherwise proved be taken as correct. If the amount of the tender is not worked out by the contractor or it does not correspond with the percentage written either in figures or in words, then the percentage quoted by the contractor in words shall be taken as correct. Where the percentage quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the percentage quoted by the contractor will, unless otherwise proved, be taken as correct and not the amount.

11. In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tender is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.

12. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates 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 figures, the word ‘Rs.’ should be written before the figure of rupees and word ‘P’ after the decimal figures, e.g. Rs. 2.15 P and in case of works, the word, ‘Rupees’ should precede and the word ‘Paise’ should be written at the end. Unless the rates is in whole rupees and followed by the word ‘only’ it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word ‘only’ should be written closely following the amount and it should not be written in the next line.

12A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be wiling to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word ‘Rs.’ should be written before the figure of rupees and word ‘P’ after the decimal figures. E.g. Rs. 2.15 P and in case of words, the word ‘Rupees’ should precede and the word ‘Paise’ should be written at the end.

13. The contractor shall be required to deposit an amount equal to 5% of the tendered value of the work as performance guarantee in the form of an irrevocable Bank Guarantee bond of any Scheduled Bank or State Bank of India in accordance with the form prescribed or in cash or in the form of Government security fixed deposit receipt etc., as in the case of recovery of security deposit within 15 days of the issue of letter of intent but before award of work. This period can be further extended by the Engineer-in-Charge up to a maximum period of 7 days on written request of the contractor.

13A. A sum @ 5% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with sum already deposited as earnest money will amount to security deposit of 5% of the tendered value of the work (bank Guarantee is not to be accepted as security deposit).
13B. The Superintending Engineers/Executive Engineers of the department on evaluation of tender and if the tender is found that the overall amount quoted is less than 5.00%, then the contractor shall be asked to pay an additional performance guarantee amounting to 50% of the difference between the quoted amount and estimate cost put to tender. Failure to furnish the additional performance guarantee over and above the normal performance guarantee of 5% within 15 days from the date receipt of acceptance letter, shall entitle cancellation of award and forfeiture of EMD furnished. The contractor shall also furnish an undertaking to the effect that the contractor agrees to pay the additional performance guarantee of specified amount and in case if the contractor is not able to complete the work within the period of completion as mentioned in the agreement, the contractor is agreeable to the forfeiture of entire performance guarantee paid by the contractor.

14. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Engineer-in-Charge shall be communicated in writing to the Engineer-in-Charge.

15. Sales tax, Purchase tax, Turnover tax or any other tax on material in respect of this contract shall be payable by the contractor and Puducherry Slum Clearance Board will not entertain any claim whatsoever in respect of the same. This work is covered under the Section 78 of Puducherry Value Added Tax Ordinance, 2007 and hence the contractor is liable to pay a VAT @ 2.80% of work done for civil works and 3.40% for Electrical works.

16. The contractor shall give a list of both Gazetted and Non-Gazetted Puducherry Slum Clearance Board employees related to him.

17. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who; may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to be summarily rejected.

18. The tender for composite work includes in addition to building work, all other works such as sanitary and water supply installations drainage installation, electrical work horticulture work, roads and paths etc. The tenderer must associate himself with agencies of tender for sanitary and water supply drainage, electrical and horticulture works, if any, in the composite tender.

19. The contractor shall submit list of works, which are in hand (progress) in the following form:

<table>
<thead>
<tr>
<th>Name of Work</th>
<th>Name and particulars of Division where is being executed</th>
<th>Value of work</th>
<th>Position of works in progress</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
</tr>
<tr>
<td>NIL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
20. The contractor shall comply with the provisions of the Apprentices Act, 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be breach of the contract and the Executive Engineer may in his discretion without prejudice to any other right or remedy available in law cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

SCHEDULES

SCHEDULE ‘A’
Schedule of quantities (Enclosed): it contains 19 pages from page 16 to 34

NAME OF WORK: Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar, Reddiyarpalayam, Oulgaret Municipality, Puducherry.

SCHEDULE ‘B’
Schedule of materials to be issued to the contractor.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Item</th>
<th>Quantity</th>
<th>Rates in figures and words at which the materials will be charged to the Contractor</th>
<th>Place of issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
<td>(5)</td>
</tr>
</tbody>
</table>

Contractors own arrangements

SCHEDULE ‘C’
Tools and plants to be hired to the contractor.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description</th>
<th>Hire charges per day</th>
<th>Place of Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
<td>(4)</td>
</tr>
</tbody>
</table>

NIL
**NAME OF THE WORK:** “Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar Scheme, Reddiyarpalayam, Oulgaret Municipality, Puducherry”.

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Description of Item</th>
<th>Quantity</th>
<th>Unit</th>
<th>RATE IN Figures</th>
<th>Words</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td><strong>EARTH WORK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CODE NO: 2.8.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m. including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m - all kinds of soil.</td>
<td>147.00</td>
<td>Cum (One Cubic metre)</td>
<td>147.00</td>
<td>Cum (One Cubic metre)</td>
</tr>
<tr>
<td>1.2</td>
<td>CODE NO: 2.26B</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supplying and filling with good earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth consolidating each deposited layers by ramming and watering etc. complete including all lead and lift.</td>
<td>134.00</td>
<td>Cum (One Cubic metre)</td>
<td>134.00</td>
<td>Cum (One Cubic metre)</td>
</tr>
<tr>
<td>1.3</td>
<td>CODE NO: 2.28</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supplying and filling in plinth with river sand under floors including, watering, ramming consolidating and dressing complete.</td>
<td>28.00</td>
<td>Cum (One Cubic metre)</td>
<td>28.00</td>
<td>Cum (One Cubic metre)</td>
</tr>
</tbody>
</table>
### 2. CONCRETE WORK

#### 2.1 CODE NO: 4.5.10
Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work up to plinth level 1:5:10 (1 cement : 5 sand : 10 graded stone aggregate (40mm nominal size)).

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>31.00</td>
</tr>
<tr>
<td><strong>1 Cum (One Cubic metre)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 2.2 CODE NO: 4.2
Providing and laying on terrace up to floor five level lime concrete with graded brick aggregate 25mm nominal size and 50% mortar comprising of 1 lime : 2 surkhi.

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>1.00</td>
</tr>
<tr>
<td><strong>1 Cum (One Cubic metre)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3. REINFORCEMENT CEMENT CONCRETE

#### 3.1 CODE NO: 5.1.2
Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work up to plinth level - 1:1.5:3 (1 cement :1.5 sand : 3 graded stone aggregate (20mm nominal size)).

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>37.00</td>
</tr>
<tr>
<td><strong>1 Cum (One Cubic metre)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 3.2 CODE NO: 5.2.2
Reinforced cement concrete work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centring, shuttering, finishing and reinforcement - 1:1.5:3 (1 cement : 1.5 sand : 3 graded stone aggregate (20mm nominal size)).

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Unit</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>9.00</td>
</tr>
<tr>
<td><strong>1 Cum (One Cubic metre)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 3.3 **CODE NO: 5.3.1**

Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral staircases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size).

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.00 Cum (One Cubic metre)</td>
<td>20.00</td>
<td>1 Cum</td>
</tr>
</tbody>
</table>

### 3.4 **CODE NO: 5.14.1**

Centring and shuttering including strutting, propping etc. and removal of form for - foundations, footings, bases of columns etc. for mass concrete.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.00 Sqm (One Square metre)</td>
<td>32.00</td>
<td>1 Sqm</td>
</tr>
</tbody>
</table>

### 3.5 **CODE NO: 5.14.3**

Centring and shuttering including strutting, propping etc. and removal of form for - suspended floor, roofs, landings, balconies and access platform.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>95.00 Sqm (One Square metre)</td>
<td>95.00</td>
<td>1 Sqm</td>
</tr>
</tbody>
</table>

### 3.6 **CODE NO: 5.14.5**

Centring and shuttering including strutting, propping etc. and removal of form for - lintels, beams, plinth beams, girders, bressummers and cantilevers.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>115.00 Sqm (One Square metre)</td>
<td>115.00</td>
<td>1 Sqm</td>
</tr>
</tbody>
</table>

### 3.7 **CODE NO: 5.14.6**

Centring and shuttering including strutting, propping etc. and removal of form for - columns, pillars, piers, abutments, posts and struts.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>186.00 Sqm (One Square metre)</td>
<td>186.00</td>
<td>1 Sqm</td>
</tr>
</tbody>
</table>
3.8 **CODE NO: 5.25.1**
Providing precast cement concrete jali 1:2:4 (1 cement : 2 sand : 4 stone aggregate 6 mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement : 3 sand) etc. complete excluding plastering of the jambs, sills and soffits - 50 mm thick.

4.00

Sqm

1 Sqm

(One Square metre)

3.9 **CODE NO: 5.29.3B**
Reinforcement for RCC work including straightening, cutting, penting, placing, in position & binding all complete - Thermo Mechanical Treatment box (TMT)(Tiscon/ Vizag/ IISCO/ SAIL).

11850.00

Kgs

1 Kg

(One Kilo Gram)

4. BRICK WORK

4.1 **CODE NO: 6.1.8**
Brick work with bricks of class designation 35 in foundation and plinth in - cement mortar 1:4 (1 cement: 4 sand).

8.00

Cum

1 Cum

(One Cubic metre)

4.2 **CODE NO: 6.1.10**
Brick work with bricks of class designation 35 in foundation and plinth in - cement mortar 1:6 (1 cement : 6 sand).

123.00

Cum

1 Cum

(One Cubic metre)

4.3 **CODE NO: 6.3**
Extra for brick work in superstructure above plinth level upto floor five level.

42.00

Cum

1 Cum

(One Cubic metre)
### 4.4 Code No: 6.18.4
Half brick masonry with bricks of class designation 35 in foundation and plinth in - cement mortar 1:4 (1 cement : 4 sand).

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Rate (Sqm)</th>
<th>Quantity (One Square metre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### 4.5 Code No: 6.19
Extra for half brick masonry in superstructure, above plinth level upto floor five level.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Rate (Sqm)</th>
<th>Quantity (One Square metre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### 4.6 Code No: 6.20A
Extra for providing and placing in position 2nos. 6mm dia. M.S. bars at every third course of half brick masonry (with brick class designation 35)

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Rate (Sqm)</th>
<th>Quantity (One Square metre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Wood Work

#### 5.1 Code No: 9.1.4P
Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - country wood (Padak).

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Rate (Cum)</th>
<th>Quantity (One Cubic metre)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.35</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
5.2 **CODE NO : 9.5.17.1**

providing and fixing 35mm thick factory made commercial quality panel door shutters single/double leaf made from chemically (non leachable preservative) preservative treated (as per i.s. 401-1982) and kiln seasoned (as per i.s.1141 and i.s.287) hard wood timber as per class ‘c’ (i.s.1003-part-i) having styles and top rails 100mm wide, lock rail 175mm and bottom rail 200mm wide with panelling of 12mm thick three layer flat pressed both sides non decorative type commercial veneered teak wood particle board bonded with b.w.p. type phenol formaldehyde synthetic resin confirming to i.s. 3087 and i.s. 3097 of 1980 exterior grade (for resin i.s. 848-1974 shall apply).

5.3 **CODE NO : 9.80**

Providing and fixing M.S. round or square bars at required spacings in wooden frames of windows and clerestory windows.

<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.80</td>
<td>Providing and fixing M.S. round or square bars at required spacings in wooden frames of windows and clerestory windows.</td>
<td>70.00</td>
</tr>
</tbody>
</table>

5.4 **CODE NO : 9.87**

Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size).

<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.87</td>
<td>Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15 cm 1:3:6 mix (1 cement : 3 sand : 6 graded stone aggregate 20mm nominal size).</td>
<td>30.00</td>
</tr>
</tbody>
</table>
5.5  **CODE NO : 9.105.5**
Providing and fixing M.S.hooks and eyes conforming to IS:207 - 100mm.
14.00  Each
Nos  (Each)

5.6  **CODE NO : 9.111.1**
Providing and fixing oxidised M.S. pressed butt hinges with necessary screws etc. complete - 125x65x2.12mm
57.00  Each
Nos  (Each)

5.7  **CODE NO : 9.111.3**
Providing and fixing oxidised M.S. pressed butt hinges with necessary screws etc. complete - 75x47x1.70mm
63.00  Each
Nos  (Each)

5.8  **CODE NO : 9.118.1**
Providing and fixing oxidised M.S. sliding door bolts with nuts and screws etc. complete - 300x16mm.
6.00  Each
Nos  (Each)

5.9  **CODE NO : 9.119.1**
Providing and fixing oxidised m.S. tower bolt black finish, (barrel type) with necessary screws etc. complete - 250x10mm.
12.00  Each
Nos  (Each)

5.10  **CODE NO : 9.119.4**
Providing and fixing oxidised M.S. tower bolts black finish, (barrel type) with necessary screws etc. complete - 100x10mm.
32.00  Each
Nos  (Each)

5.11  **CODE NO : 9.122.1**
Providing and fixing oxidised M.S. handles conforming to IS: 4992 with necessary screws etc. complete: 125mm.
7.00  Each
Nos  (Each)
5.12 **CODE NO: 9.229**
Providing and fixing godrej nov-tal lock - 65mm size

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nos</td>
<td>3.00</td>
<td>6.00</td>
<td>18.00</td>
</tr>
</tbody>
</table>

**6. STEEL WORK**

6.1 **CODE NO: 10.19**
Providing and fixing M.S. fan clamp type-i of 16mm dia m.s. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of loop, all as per standard design complete.

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nos</td>
<td>6.00</td>
<td>6.00</td>
<td>36.00</td>
</tr>
</tbody>
</table>

6.2 **CODE NO: 10.8.2**
Supplying and fixing rolling shutters of approved make, made of required size M.S. laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs grade No.2 and M.S. top cover of required thickness for rolling shutters - 80 x 1.20 mm M.S. laths with 1.20 mm thick top cover.

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sqm</td>
<td>3.50</td>
<td>1</td>
<td>3.50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1 Sqm</td>
<td>23</td>
<td>23</td>
</tr>
</tbody>
</table>
### 7. Flooring

**Code No: 11.4.3**

Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete 50mm thick with 20mm nominal size stone aggregate.

<table>
<thead>
<tr>
<th>1 Sqm (One Square metre)</th>
<th>98.00 Sqm</th>
</tr>
</thead>
</table>

### 8. Roofing

**Code No: 12.29.1**

Painting top of roofs with bitumen of approved quality at 17kg/10sqm impregnated with a coat of coarse sand at 60cudm/10sqm including cleaning the slab surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil complete - with residual type petroleum bitumen of penetration 80/100.

<table>
<thead>
<tr>
<th>1 Sqm (One Square metre)</th>
<th>96.00 Sqm</th>
</tr>
</thead>
</table>

**Code No: 12.33A**

Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and insihed neat complete.

<table>
<thead>
<tr>
<th>1 Sqm (One Square metre)</th>
<th>99.00 Sqm</th>
</tr>
</thead>
</table>
### 8.3 **CODE NO: 12.34**
Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete.

<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.34</td>
<td>Lime concrete terracing on roofs of required thickness laid to fall with 25mm nominal size brick aggregate and 50% lime mortar 1:2 (1 lime putty : 2 surkhi) rammed and finished with gur and belgiri treatment complete including rounding of junctions with parapet wall complete.</td>
<td>8.00</td>
<td>1 Cum (One Cubic metre)</td>
</tr>
</tbody>
</table>

### 8.4 **CODE NO: 12.39**
Making khurras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over p.v.c. sheet 1m x 1m x 400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.

<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.39</td>
<td>Making khurras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) over p.v.c. sheet 1m x 1m x 400 micron, finished with 12mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.</td>
<td>8.00</td>
<td>Each Nos (Each)</td>
</tr>
</tbody>
</table>

### 8.5 **CODE NO: 12.78.2**
Providing and fixing on wall face/column unplasticised - PVC (working pressure 4kg/ sqcm) ) rain water pipes conforming to IS :13592 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. single socketed pipes 110mm diameter.

<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.78.2</td>
<td>Providing and fixing on wall face/column unplasticised - PVC (working pressure 4kg/ sqcm) ) rain water pipes conforming to IS :13592 including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. single socketed pipes 110mm diameter.</td>
<td>32.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>
8.6 **CODE NO: 12.79.5.2**
Providing and fixing on wall face/column face unplasticised - PVC moulded fittings/accessories for unplasticised - PVC rain water pipes conforming to IS : 13592 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - bend 87.5 degree - 110 mm bend.

8.7 **CODE NO: 12.79.6.2**
Providing and fixing on wall face/column face unplasticised - PVC moulded fittings/accessories for unplasticised - PVC rain water pipes conforming to IS : 13592 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - shoe (plain) - 110 mm shoe.

8.8 **CODE NO: 12.80.2**
Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised - 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 sand) and making good the walls etc. complete.- 110mm dia. pipe.

9. **FINISHING**

9.1 **CODE NO: 13.8.4**
12 mm cement plaster of mix - 1:6 (1 cement : 6 fine sand).
9.2 **CODE NO: 13.9.4**
15 mm cement plaster on the rough side of single or half brick wall of mix - 1:6 (1 cement : 6 fine sand). 328.00 1 Sqm (One Square metre)

9.3 **CODE NO: 13.24.1**
6 mm cement plaster to ceiling of mix - 1:3 (1 cement : 3 fine sand). 88.00 1 Sqm (One Square metre)

9.4 **CODE NO: 13.72.1**
White washing with whiting to give an even shade - new work (three or more coats). 90.00 1 Sqm (One Square metre)

9.5 **CODE NO: 13.73.2**
Colour washing such as green, blue or buff to give an even shade - new work (two or more coats) with a base coat of whiting. 621.00 1 Sqm (One Square metre)

9.6 **CODE NO: 13.81.1**
Applying priming coat - with ready mixed pink or grey primer of approved brand and manufacture on wood work (hard and soft wood). 105.00 1 Sqm (One Square metre)

9.7 **CODE NO: 13.81.3**
Applying priming coat - with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/ steel works. 4.00 1 Sqm (One Square metre)

9.8 **CODE NO: 13.82.1**
Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new steel work (two or more coats). 4.00 1 Sqm (One Square metre)
9.9 **CODE NO: 13.82.2**
Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new wood work (two or more coats).  
105.00 1 Sqm (One Square metre)

11. SANITARY INSTALLATION

10.1 **CODE NO: 19.14.2**
Providing and fixing white vitreous china water closet squatting pan (Indian type) - Orissa pattern W.C. pan of size 580 x 440mm  
5.00 Each Nos

10.2 **CODE NO: 19.47.1**
Providing and fixing on wall/column face unplasticised - PVC (working pressure 4 kg/sqcm) soil and waste pipes conforming to IS: 4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion - single socketed pipes 110mm diameter  
46.00 1 Mtr (One Metre)

10.3 **CODE NO: 19.47.1D**
Providing and fixing on wall face/column face unplasticised - PVC moulded fittings/ accessories for unplasticised - PVC soil and waste pipes conforming to IS: 4985 including jointing with seal ring conforming to IS: 5382 leaving 10 mm gap for thermal expansion - bend with door 110mm.  
8.00 Each Nos (Each)
10.4 **CODE NO: 19.49.1C**  
Providing and fixing unplasticised PVC pipe clips of approved design to unplasticised PVC soil and waste 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 wall etc. complete - 110mm

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each</td>
<td>30.00</td>
<td>Nos (Each)</td>
</tr>
</tbody>
</table>

10.5 **CODE NO: 19.67.1B**  
Providing and fixing UPVC terminal guard (vent cowl) with necessary lubricant and slip ring, fixing complete-150mm.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each</td>
<td>5.00</td>
<td>Nos (Each)</td>
</tr>
</tbody>
</table>

10.6 **CODE NO: 19.72.1A**  
Providing and fixing UPVC trap with UPVC grating with or without vent arm complete including providing necessary lubricant and slip ring for fixing fittings, cost of cutting and making good the walls and floors - 110mm inlet and 110mm outlet.

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each</td>
<td>4.00</td>
<td>Nos (Each)</td>
</tr>
</tbody>
</table>

10.7 **CODE NO: 19.47.2**  
Providing and fixing on wall/column face unplasticised - PVC (working pressure 4 kg/sqcm) soil and waste pipes conforming to IS : 4965 including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion - single socketed pipes 75mm

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mtr</td>
<td>216.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>
## 11. WATER SUPPLY

### 11.1 CODE NO: 20.2.1.1
Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on walls - 15mm nominal bore (1.22 kg/m).

<table>
<thead>
<tr>
<th>Length (Mtrs)</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>17.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>

### 11.2 CODE NO: 20.2.1.2
Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on walls - 20mm nominal bore (1.58 kg/m).

<table>
<thead>
<tr>
<th>Length (Mtrs)</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00</td>
<td>17.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>

### 11.3 CODE NO: 20.2.1.3
Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on wall - 25mm nominal bore (2.44 kg/m).

<table>
<thead>
<tr>
<th>Length (Mtrs)</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00</td>
<td>17.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>

### 11.4 CODE NO: 20.2.1.4
Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) - 40mm nominal bore (3.61 kg/m).

<table>
<thead>
<tr>
<th>Length (Mtrs)</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>40.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
</tbody>
</table>

### 11.5 CODE NO: 20.2.1.5
Providing and fixing G.I. pipes (class b) complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) - 50mm nominal bore (5.17 Kg/m)

<table>
<thead>
<tr>
<th>Length (Mtrs)</th>
<th>Rate</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>50.00</td>
<td>1 Mtr (One Metre)</td>
</tr>
<tr>
<td>Code No.</td>
<td>Description</td>
<td>Quantity</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>20.3.3</td>
<td>Providing and fixing G.I pipes complete with G.I fittings including trenching and refilling and etc. (external work) - 25 mm dia nominal bore.</td>
<td>10.00</td>
</tr>
<tr>
<td>20.6 A</td>
<td>Providing and fixing water meter and stop cock in 25mm G.I pipe line including cutting and threading the pipe, making long screws, bolts, nuts, rubber insertions and testing the water meter etc. complete.</td>
<td>1.00</td>
</tr>
<tr>
<td>20.7.1</td>
<td>Providing and fixing brass bib cock of approved quality - 15 mm nominal bore.</td>
<td>5.00</td>
</tr>
<tr>
<td>20.9.3</td>
<td>Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 25mm nominal bore.</td>
<td>1.00</td>
</tr>
<tr>
<td>20.9.5</td>
<td>Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 40mm nominal bore.</td>
<td>3.00</td>
</tr>
<tr>
<td>20.9.6</td>
<td>Providing and fixing brass gate valve with C.I. wheel of approved quality (screwed end) - 50mm nominal bore.</td>
<td>1.00</td>
</tr>
</tbody>
</table>
11.12 **CODE NO: 20.10.3.3**
Providing and fixing ball valve (brass) of approved quality complete - high or low pressure with plastic floats - 25mm nominal bore.

11.13 **CODE NO: 20.12.3**
Providing and fixing brass ferrule C.I. mouth cover including boring and tapping the main - 25 mm nominal bore.

11.14 **CODE NO: 20.76.2**
Painting G.I. pipes and fittings with white paint over a ready mixed priming coat, both of approved quality for new work - 20mm diameter pipe.

11.15 **CODE NO: 20.76.3**
Painting G.I. pipes and fitting with white paint over a ready mixed priming coat, both of approved quality for new work - 25mm diameter pipe.

11.16 **CODE NO: 20.76.5**
Painting G.I. pipes and fittings with white paint over a ready mixed priming coat, both of approved quality for new work - 40mm diameter pipe.

11.17 **CODE NO: 20.78.3**
Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality - 25 mm diameter pipe.
<table>
<thead>
<tr>
<th>Code No</th>
<th>Description</th>
<th>Unit</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.87.3</td>
<td>Providing and fixing G.I union in G.I pipe including cutting and threading the pipe and making long screws etc. complete (new work). 25mm nominal bore.</td>
<td>Each</td>
<td>1.00</td>
<td>No (Each)</td>
</tr>
<tr>
<td>20.87.5</td>
<td>Providing and fixing G.I union in G.I pipe including cutting and threading the pipe and making long screws etc. complete (new work). 40mm nominal bore.</td>
<td>Each</td>
<td>3.00</td>
<td>Nos (Each)</td>
</tr>
<tr>
<td>20.89</td>
<td>Providing and placing on terrace (at all floor levels) polyethylene water storage tank of approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet, outlet, over flow pipes with all fittings but without the base support for tank.</td>
<td>Ltrs</td>
<td>1000.00</td>
<td>1 Ltr (One Litre)</td>
</tr>
<tr>
<td>21.11.2.2</td>
<td>Constructing brick masonry manhole with 35 class designation bricks in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a</td>
<td>Each</td>
<td>8.00</td>
<td>Nos (Each)</td>
</tr>
</tbody>
</table>
floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) neatly finished complete as per standard design - inside size 90 x 80cm and 60cm deep including C.I. cover with frame (light duty) 455 x 610mm internal dimensions total weight of cover and frame to be not less than 38 kg. (weight of cover 23 kg. and weight of frame 15 kg.) - with bricks of class designation 35

11.22 **CODE NO: 21.21.1**
Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) cement plastered on both sides with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete. - for pipes 100 to 230 mm diameter.

<table>
<thead>
<tr>
<th>1.00</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>(Each)</td>
</tr>
</tbody>
</table>
SCHEDULE ‘D’
Extra schedule for specific requirements / documents for the work, if any.

SCHEDULE ‘E’
Schedule of component of materials, labour, etc. for escalation.

SCHEDULE ‘F’
Reference to General conditions of contract.

Name of work: Construction of Ration shop and Anganvadi at Lambert Saravanan Nagar, Reddiyarpalayam, Oulgaret Municipality, Puducherry.

Estimated Cost of Work : Rs.21,50,457/-
Earnest Money : Rs.43,010/-
Performance Guarantee : 5% of the tendered value
Security Deposit : 5% of the tendered value
GENERAL RULES & DIRECTIONS

Officer Inviting Tender: The Executive Engineer, Puducherry Slum Clearance Board, Puducherry.

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3

Definitions:

2(v) Engineer-in-Charge
2(viii) Accepting Authority
2(x) Percentage on cost of materials and labour to cover all overheads and profits.
2(xi) Standard Schedule of Rates
2(xii) Department
9 (ii) Standard P.W.D. Contract Form

MODIFIED CLAUSES AS PER CON/MAN CIRCULARS

Clause 1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days: 15 days

(ii) Maximum allowable extension beyond the period as provided in (i): 7 days
The contractor whose tender is accepted, will be required to furnish performance guarantee of 5% (five percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs.10,000/-) or Deposit at call receipt of any scheduled bank/Banker’s Cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs.1,00,000/-) or Govt. Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.

In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’ including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

**Clause 1A**
Recovery of Security Deposit as amended

**Clause 2**
Authority for fixing compensation
under Clause 2

The Superintending Engineer,
Puducherry Slum Clearance,
Board, Puducherry

**Clause 2A**
Whether Clause 2A shall be applicable

Yes

**Clause 3**
Modified

**Clause 3A**
Modified

**Clause 3B**
Deleted

**Clause 5**

Para (i) Time allowed for execution of work

4 (Four) months including monsoon period

Para (ii) Authority to give fair and reasonable extension of time for completion of work

The Superintending Engineer,
Puducherry Slum Clearance Board, Puducherry.

**MILESTONE(S)**
As per table given below

**TABLE FOR MILESTONE(S)**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of Milestone (Physical)</th>
<th>Time allowed in days (from date of start)</th>
<th>Amount to be withheld in case of non-achievement of milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Or

37
<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Financial progress</th>
<th>Time allowed in days (from date of start)</th>
<th>Amount to be withheld in case of non-achievement of milestone</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1/8th (of the whole work)</td>
<td>1/4th (of the whole work)</td>
<td>In the event of not achieving the necessary progress as assessed from the running payments 1% of the tendered value of work will be withheld for failure of each milestone</td>
</tr>
<tr>
<td>2.</td>
<td>3/8th (of the whole work)</td>
<td>1/2 (of the whole work)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>3/4th (of the whole work)</td>
<td>3/4th (of the whole work)</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Full</td>
<td>Full</td>
<td></td>
</tr>
</tbody>
</table>

**CLAUSE 7**

Gross work to be done together with net payment/
adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment Rs.1,00,000/-

**CLAUSE 10B(ii)**

Mobilisation advance modified to the maximum of Rs.1 crore with 10% simple interest.

Grant of mobilization advance to the contractors for executing capital intensive works:

In respect of certain specialized and capital intensive works with estimate cost put to tender of Rs 2.00 crores and above, provision of mobilization advance may be kept in the tender documents. Chief Engineers should use their discretion carefully in deciding whether any particular work shall be considered as specialized or capital intensive one.

Applicability or otherwise of relevant clause of GCC shall be clearly indicated in Schedule ‘F’, while finalizing NIT of a particular work.

(i) The Mobilization advance limited to 10% of tendered amount at 10% simple interest can be sanctioned to the contractors on specific request as per term of the contract.

(ii) **The Mobilization advance shall be released only after obtaining a Bank Guarantee bond from a schedule bank for the amount of advance to be released and valid for the contract period.**

This shall be kept renewed time to time to cover the balance amount and likely period of complete recovery together with interest.

The advance should be released in not less than two installments.

The interest on the advance shall be calculated from the date of payment to the date of recovery, both days inclusive.

(iii) **It shall be ensured that at any point of time, Bank Guarantee is available for the amount of outstanding advance.**

The recovery should be commenced after 10% of work is completed and the entire amount together with interest shall be recovered by the time 80% of the work is completed.

**Clause 10B (iii)**

Plant Machinery and Shuttering Material Advance as amended

**Clause 10C**

As amended

**Clause 10CA**

Applicable

**Clause 10CC**

Not Applicable
Clause 11  
Specifications to be followed for execution of works  
C.P.W.D. specifications 2002, MORTH, IRC & CPHEEO specifications and manuals (with Correction slips and subsequent publications)

Clause 12  
Clause 12.1.2 deleted and renumbered as 12.1

12.2 & 12.3  
Deviation limit beyond which Clauses 12.2 & 12.3 shall apply for

12.5  
Works related to foundation  
Deviation limit beyond which clause 12.2 & 12.3 shall apply for.

(i) For maintenance work Building work of time bound urgent & emergency nature.

(ii) For foundation work

Clause 16  
Competent Authority for deciding reduced rates.
The Superintending Engineer, Puducherry Slum Clearance Board, Puducherry

Clause 17  
Enhancement of maintenance period  
12 months

Clause 21  
Subletting the work - not permitted

Clause 36  
Modified Clause 36 as per No.DGW/CON/203 dt 6.1.05 is applicable.
## Requirement of Technical Representative(s) and Recovery Rate

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Minimum Qualification of Technical Representative</th>
<th>Discipline</th>
<th>Designation (Principal Technical/Technical Representative)</th>
<th>Minimum Experience</th>
<th>Number</th>
<th>Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Graduate Engineer or Diploma</td>
<td>Civil</td>
<td>Principal Technical Representative</td>
<td>5 years</td>
<td>1</td>
<td>Rs. 10,000/- p.m. (Rupees Ten thousand only)</td>
</tr>
</tbody>
</table>

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers.
Clause 42

(i) (a) Schedule / Statement for determining theoretical quantity of cement and bitumen on the basis of Delhi Schedule of Rates 1993 printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities.

(a) Cement for works with estimated 3% plus / minus cost put to tender not more than Rs. 5 lakhs.

For works with estimated cost 2% plus / minus put to tender more than Rs. 5 lakhs

(b) Bitumen all works 2.5% plus only and nil on minus side.

(c) Steel reinforcement and 2 % plus / minus. structural steel sections for each diameter, section and category.

(d) All other materials.
RECOVERY RATES FOR
QUANTITIES BEYOND PERMISSIBLE VARIATION

<table>
<thead>
<tr>
<th>Sl.No.</th>
<th>Description of items</th>
<th>Rates in figures and words at which recovery shall be made from the contractor, Rate in Schedule ‘B’ plus 10% in case materials issued by department</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Excess beyond permissible variation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Less use beyond the permissible variation</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>2.</td>
<td>Cement</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Steel Reinforcement</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Structural sections</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Bitumen issued free</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Bitumen issued at stipulated fixed price.</td>
<td></td>
</tr>
</tbody>
</table>
GENERAL CONDITIONS

(1) The work shall in general be carried out in accordance with CPWD specifications for works 2002 with correction slips and issued from time to time. Revised CPWD Specification 2002 for cement mortar, cement concrete & RCC.

(2) However if the said specifications differ from those given in the description of any particular item in the schedule of quantities and specifications stipulated herein, the latter shall prevail.

(3) If the detailed description of any particular item in the schedule of quantities and specifications finally accepted by the department differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.

(4) If the particular specification given hereunder differs from I.S. code provisions, in any respect, the former shall prevail.

(5) Wherever any reference to any Indian standard specification occurs in the documents relating to this contract the same should be inclusive of all amendments issued thereto or revision thereof if any, upto the date of receipt of tenders.

(6) Conditions involving any financial implications other than those covered in the schedule of quantities will not be entertained and such tenders are also liable to be rejected.

(7) When working near existing structures, care shall be taken to avoid any damage to such structures, any such damage caused intentionally or unintentionally shall be restored to original and or acceptable condition and to the satisfaction of the Engineer-in-charge.

(8) The contractor shall given to the Municipality, Police and other authorities all notices etc., that may be required to be given as per law and obtain all requisite licenses for temporary obstructions, enclosures and pay all fees, taxes and charges which may be leviable on account of the operations during the execution of the contract. No extra claim of the contractor will be entertained by the department on this account.

(9) Other agencies doing works related to this project may also simultaneously execute the works and the contractor shall co-ordinate and co-operate with them as found to be necessary at no extra cost.
(10) Any cement slurry or lime mortar or any combination thereof or water proofing material required
for continuation from old work is demand to have been in built in the relevant items themselves and
nothing extra shall be paid for the same.

(11) Unless otherwise specified in the schedule of quantities the rate for all items of the work shall
be considered as inclusive of pumping out or bailing out water if required for which no extra payment will
be made. This will include water encountered from any source as rains, flood, and subsoil water table
being high due to any other cause whatsoever.
CONDITIONS FOR ISSUE OF MATERIALS

The materials shall be issued to the contractor at the place of delivery as mentioned in schedule ‘B’. If these are delivered at any other site, the difference due to cartage will be adjusted accordingly. The contractor shall have to cart at his cost the materials to the site of work as soon as these are issued. The materials shall be issued between the working hours and as per rules prevails in the stockyard of the materials as framed from time to time.

The contractor shall bear all incidental charges for cartage, storage and safe custody of materials. No reimbursement of the expenses will be made by the department.

The contractor shall construct suitable godown at the site of work for storing the materials safe against damage of sun, rain, dampness, fire, theft etc. he shall also employ necessary watch and ward establishment for the purpose.

Cement bags shall be stored in separate godown with pucca floor weatherproof roofs and walls. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with the Department Junior Engineer-in-charge of the work and that of the other lock with authorized agent of the contractor at the site of work so that the cement is removed from the godown accordingly to the daily requirements with the knowledge of both the parties.

The cement shall be stacked on proper floors consisting of two layers of dry bricks laid on well-consolidated earth at a level of at least 0.3 meters above ground level. These stocks shall be in row of 2 and 10 high with a minimum of 0.6 metres clear space around. The bags would be placed horizontally continuous in each line as shown in the sketch at page 398 of C.P.W.D. specification 2002.

The day to day receipts and issue accounts of cement shall be maintained by the Junior Engineer-in-charge and signed daily by the contractor or his authorized agent.

MATERIALS OBTAINED FROM DISMANTLEMENT

I. The contractors, in course of their work, should understand that all materials (e.g. stone and the other materials) obtained in the work of dismantling, excavation etc. will be considered Puducherry Slum Clearance Board, property and issued to the contractor (if they require the same for their own use) at rates approved by Government. If these materials are not required by them, they will dispose of to the best advantage of Government.

DELAY IN OBTAINING MATERIALS BY THE DEPARTMENT

II. Owing to difficulty in obtaining certain materials in the open market, the Puducherry Slum Clearance Board have undertaken to supply materials specified in schedule ‘B’ of the tender forms at
rates stated therein. There may be delay in obtaining the materials by the Department and the contractor is, therefore required to keep himself in touch with the day to day position regarding the supply of materials from the Engineer-in-charge and to so adjust the progress of their work that their labour may not remain idle nor may there be any other claim due to so arising from delay in obtaining the materials. It should be clearly understood that no claim whatsoever shall be entertained by the Puducherry Slum Clearance Board on account of delay in supplying materials.

III. M.S. or deformed bars shall be issued in lengths as available in stores. M.S. or deformed bars shall be issued in straights or in coils as available and nothing extra shall be payable for straightening the bars. The bars issued in available lengths shall be cut to the required lengths and nothing extra shall be payable for the same.

IV. The contractor shall have to deposit the approved paints of required colour and shade as per actual requirements of the work to be done with the Engineer-in-charge at his Departmental Store at the site of work.

The contractor shall be responsible for the water proof ness of the roof for one full monsoon season after the date of completion. He shall rectify the defect noticed after due intimation in writing is given by the Engineer-in-charge failing which, Engineer-in-charge shall get the defects repaired at the contractor’s risk and cost.

WATER SUPPLY AND SANITARY WORK

V. The contractor shall engage licensed plumber for the work and get the materials tested by the Puducherry Slum Clearance Board authorities whenever required at their own cost. The work shall be carried out according to the Puducherry Slum Clearance Board Bye-laws an the contractor shall produce necessary certificate from Puducherry Slum Clearance Board authorities after completion of work.

VI. The contractor shall have to deposit water proofing compound as per the actual requirements for the water proofing job with the Engineer-in-charge at his Departmental Stores at the site of work.

The water proofing compound will be issued to the contractor from time to time according to his requirements for the work in the same manner as the issue of the materials stipulated to be issued departmentally.
VII. The contractor shall not deposit materials on any site, which will seriously inconvenience the public. The Engineer-in-charge may require the contractor to remove any materials, which are considered by him to be a danger or inconvenience to the public or cause them to be removed at the contractor’s cost.

VIII. Any damage to work resulting from rains or from any other cause until the work is taken over by the Department after completion will be made good by the contractor at his own cost.

IX. The contractor shall deposit royalty and obtain necessary permit for supply of sand, HBG metal, red earth, etc. from local authorities.

X. The contractor shall get himself acquainted with the nature and extent of the work and satisfy himself about the availability of quarry and of kiln for collection and conveyance of materials required for the construction. The contractor’s quoted rate should take into account all these factors and will not be allowed for extra lead for collection and conveyance of materials for any reason whatsoever.

XI. The contractor will be permitted to set up labour camp only before a week from the commencement of work and not exceeding fifteen days after the completion of the work.

XII. The contractor shall conform to the provision of any government acts which relate to works and to the regulations and bye-laws of any local authorities. The contractors shall give all notices required by the said acts or laws etc., pay all fees payable to such authorities and allow for these contingencies in his tendered rates including fees for encroachments, costs of restoration etc., and all other fees payable to the local authorities.

XIII. Where surplus earth of a suitable quality exists at the site of work, the contractor shall be allowed to use same free of cost making mud mortar for masonry and for laying mud terracing over the roof. The Engineer-in-charge shall be the final authority to decide whether the earth obtained from excavation is surplus or not.

The surplus earth excavated which is beyond the requirement of Puducherry Slum Clearance Board works, may be allowed by the Executive Engineer to be disposed of by the contractor on his own or to sell the surplus earth to private parties at his discretion, but nothing extra will be paid for carriage or disposal of the surplus earth, if the same is not required for Puducherry Slum Clearance Board works.

Wherever fine sand has been mentioned in the schedule of quantities, it should be conforming to the grading Zone-I or Zone-V as mentioned in the C.P.W.D. specifications.

XIV. Concrete will be mixed with mixers either operated by hand or mechanical.
XV. The contractor shall not employ women and men below the age of 18 on the work of painting with products lead, in any form wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use:

(a) White lead sulphate or lead, of products containing these pigments shall not be in painting operation except in the form of paste or of paint ready for use.

(b) Measure shall be taken in order to prevent danger arising from application of paint in the form of spray.

(c) Measures shall be taken wherever practicable against danger arising from dust caused by dry rubbing down and scraping.

(d) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.

(e) Overalls shall be worn by working painters during whole of the working period.

(f) Suitable arrangements shall be made to prevent clothing put off during working hours being soiled by painting materials.

(g) Cases of lead poisoning and suspected lead poisoning shall be subsequently verified by a medical team appointed by the competent authority.

(h) The department may require when necessary a medical examination of workers.

(i) Instructions with regard to the special hygienic precautions to be taken in the painting trade shall be distributed to working painter.
The standard section weights referred to as standard tables in para 5.3.3 in specifications for work 1996 to Vol-VI and 2002 of Analysis of rates be considered for conversion of length of various size of M.S. bars and for steel bars into weights are as under:

<table>
<thead>
<tr>
<th>Size (Diameter) mm</th>
<th>Weight Kg/m</th>
<th>Size (Diameter) mm</th>
<th>Weight Kg/m</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>0.222</td>
<td>25</td>
<td>3.855</td>
</tr>
<tr>
<td>8</td>
<td>0.395</td>
<td>28</td>
<td>4.836</td>
</tr>
<tr>
<td>10</td>
<td>0.617</td>
<td>32</td>
<td>6.316</td>
</tr>
<tr>
<td>12</td>
<td>0.888</td>
<td>36</td>
<td>7.994</td>
</tr>
<tr>
<td>16</td>
<td>1.579</td>
<td>40</td>
<td>9.869</td>
</tr>
<tr>
<td>18</td>
<td>1.999</td>
<td>45</td>
<td>12.490</td>
</tr>
<tr>
<td>20</td>
<td>2.467</td>
<td>50</td>
<td>15.424</td>
</tr>
<tr>
<td>22</td>
<td>2.985</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Issue of steel diameter above 10mm will be regulated on sectional weights basis, weight being calculated with the help of the above tables. However, for bars TMT steel up to and including 10mm the following procedure shall be adopted. The average sectional weights for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variations between the actual and the standard co-efficients given above and the contractor’s account will be debited by the cost of this modified quantity only. The discretion of the Engineer-in-charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for this purpose.
SPECIAL CONDITIONS APPLICABLE FOR ROAD WORKS:

(1) **Construction Equipment:**

1.1 The methodology and equipment to be used on the project shall be furnished by the Contractor to the Engineer well in advance of commencement of work and approval of the Engineer obtained prior to its adoption and use.

1.2 The Contractor shall give a trial run of the equipment for establishing its capability to achieve the laid down specifications and tolerance to the satisfaction of the Engineer before commencement of work, if so desired by the Engineer.

1.3 All equipment provided shall be proven efficiency and shall be operated and maintained at all times in a manner acceptable to the Engineer.

1.4 No equipment or personnel will be removed from site without permission of the Engineer.

(2) **Work Program and Methodology of Construction:**

The Contractor shall furnish his program of construction for execution of the work within the stipulated time schedule together with methodology of constructioner each item of work and obtain the approval of the engineer prior to actual commencement of work.

(3) **Revised Programme of Work in case of Slippage:**

In case of slippage from the approved work programme at any stage, the Contractor shall furnish revised programme to make up the slippage within the stipulated time schedule and obtain the approval of the Engineer to the revised programme.

(4) **Action in case of Disproportionate Progress:**

In case of extremely poor progress of the work or any item at any stage of work which in the opinion or the Engineer cannot be made good by the Contractor considering his available resources, the Engineer will get it accelerated to make up the lost time through any other agency and recover the additional cost incurred, if any, in getting the work done from the Contractor after informing him in writing about the action envisaged by him.

(5) **Setting out:**

Setting out the work as spelt out inclause 109 of Ministry’s Specifications for Road and Bridge Works 3rd Revision will be carried out by the Contractor.

(6) **Public Utilities:**

Action respect of public utilities will be taken by the contractor as envisaged in Clause 110 of Ministry’s Specifications for Road and Bridge Works 4th Revision.
(7) **Arrangement for traffic during construction:**

Action for arrangement for traffic during construction will be taken by the contractor as envisaged in the contract documents and spelt out in clause 112 of Ministry’s Specifications for Road and Bridge Works 4th Revision.

(8) **Quality Control:**

The onus of achieving quality of work will be on the contractor who will take action as stipulated in Section 900 of Ministry’s for Road and Bridge Works 4th Revision.

(9) **Ministry’s specification for Road and Bridge Works (4th Revision):**

Ministry’s specification for Road and Bridge Works 4th Revision will form part of the contract documents and the contractor will be legally bound to the various stipulations made therein unless and otherwise specifically relaxed or waived wholly or partly through a special clause in the contract document.

(10) **Documentation:**

The Contractor will prepare drawing(s) of the work as constructed and will supply original with three copies to the Engineer who will verify and certify these drawings. Final as constructed drawing(s) shall then be prepared by the Contractor and supplied in triplicate along with a micro film of the same to the Engineer for record and reference purposes.

(11) The contractor shall make his own arrangement to provide the bitumen required for the work from approved public sector, refiners such as IOC, BP, HPL, etc. and produce the paid voucher to the Engineer-in-charge. The materials so procured shall be got tested before use.

(12) The use of rubber modified bitumen shall be as per the guidelines of “IRC SP 53-99”

(13) The Contractor shall use “Electronic Sensor Paver” for this work
ADDITIONAL CONDITIONS

1. The rate for all items of works shall unless clearly specified otherwise include cost of all labour, materials and others inputs involved in the execution of item.

2(a) For the purpose of recording measurements and preparing running account bill the abbreviated nomenclature enclosed with the standard form shall be adopted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and other relevant specifications.

(b) In case of extra and substituted items of work for which abbreviated nomenclature is not provided in the agreements, the full nomenclature of items shall be reproduced in the measurement books and bill forms for running account bills.

3. For all doors and windows whether factory made or otherwise, cleats and rubber buffers 30mm dia. shall be provided as directed by the Engineer-in-charge and the rate for the shutter item shall include the cost of providing such wooden cleats and buffers.

4. For those doors where hydraulic door closer is provided only wooden cleats need not be provided and no reduction in rate shall be made for the same.

5. The particle board shutter shall be provided, with teak wood lipping (beading) at the edge to which hinges are fixed, without any extra cost.

6. For works where items of aluminium doors, windows etc., are specified, the grade of anodic coating to be provided in accordance with table I of IS: 1868-1968 together with reference to IS: 5523-1969.

7. Where hydrated lime is available, this can be used on the works and the places where hydrated lime is not available, lime concrete will be prepared by the traditional method of slaking the lime preparing the lime putty etc.

8. (a) Tendered rates are inclusive of all taxes and levies payable under the respective status. However pursuant to the constitution (46th Amendment) Act 1982, if any further tax or levy is imposed by the statute after the date of receipt of tenders and the contractor thereupon necessarily and properly pays such taxes/levies, the contractors shall be reimbursed the amount so paid provided such payment, if, any, is not, in the opinion of the Engineer-in-Charge (whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor.
(b) The contractor shall keep necessary books of accounts and other documents for the
purpose of this condition as may be necessary and shall allow inspection of the same by a duly
authorized representative of Puducherry Slum Clearance Board and further shall furnish such other
information/document as the Engineer-in-Charge may require.

c) The contractor shall within a period of 30 days of imposition of any further tax or levy
pursuant to the Constitution (46th Amendment) Act, 1982 give a written notice thereof to the Engineer-in-
Charge pursuant to this condition, together with all necessary information relating therein.

The components of material, labour and POL as indicated in para 3 of sub-clauses 10(CC)
have been pre determined as below;

(a) Material : ….. percent
(b) Labour : ….. percent 10CC deleted
(c) P.O.L : ….. percent 100 percent

9. Stipulated materials shall be issued for use at site of work for all the items where such
materials are required. For factory made products like precast cement tiles, precast hollow concrete
blocks, precast foam concrete blocks, precast RCC pipes etc., stipulated materials shall not be issued.

10. While execution of the work, the contractor shall organise his work in such a way that the
normal functioning of the premises is not disturbed.

11. Any damage done to the existing structure while dismantling execution of the work shall be
made good by the contractor at claim shall be made good by the contractor at his own cost and no extra
claim shall be entertained on this account.

12. The item of Anti-termite treatment shall be executed through a specialized firm.

CONNDITIONS FOR STEEL:

13. The contractor shall make his own arrangements to provide the steel required for the work
from SAIL / IISCO / TISCO / VIZAG STEEL PLANT and produce the paid voucher to the Engineer-in-
Charge. The materials so procured shall be got tested before use.

14. The contractor shall procure 43 grade OPC cement having ISI mark from reputed firms
having annual turn over of not less than one million MT and stores it in the site godown as per the
guidelines specified in the CPWD specification 2002 under double lock system. The paid voucher of the cement procured shall be produced to the Engineer-in-Charge. The cement procured shall be got tested before use.

15. The contractor shall make his own arrangements to provide the bitumen required for the work from approved public sector, refineries such as IOC, BP, HPL etc., and produce the paid voucher to the Engineer-in-Charge. The materials so procured shall be got tested before use.

16. Necessary test certificates should be produced from the approved laboratory for the quality of materials.

17. Defective materials will be rejected and the same have to be reparably by the contractor at his own cost.

18. Original purchase vouchers should be produced at the time of receipt of materials and at the time of verification by the Engineer-in-Charge. The name of contractor, name of work and agreement number should be clearly noted in the original vouchers.

19. The test specimens shall be provided at free of cost by the contractor.

20. As per Circular No. 339/PW/EE(D)/F.No.213/02/03; dt:10-10-02. The cost of samples and all other incidental charges such as packaging transportation to the laboratory, etc., shall also be borne by the contractor. The testing fee shall be paid by the Engineer-in-Charge, if the materials pass the test.

21. The test for cement has to be conducted for every 1000 bags or part. The test for steel has to be conducted for every consignment of 20 tonne or part thereof for each size/dia.

22. Payment for the item of laying Semi Dense Bituminous Concrete shall be made after conducting the density / compaction measurement test and also the surface roughness measured with Bump Integrator, by the Highways Research Station, Chennai and ensuring that

(a). In respect of density /compaction, the test result conforms to the density prescribed in the mix design and,

(b). In respect of surface roughness measured with Bump Integrator the result shall conform to the values prescribed in Table – 3 of IRC – SP-16-2004.
ADDITIONAL CONDITIONS II

ADOPTION OF PSR ABBREVIATED NOMENCLATURE - 2007

As per Chief Engineer’s Circular No.378/PW/EE(D)/AE(C)/F.NO.286/2002-03, dated 30.10.2002 the Puducherry Schedule of Rates Abbreviated Nomenclature 2007 for buildings and road works shall be adopted in recording of measurements and preparation of running account bills, etc., wherever applicable as per CPWD works Manual 2007.

PARTICULAR SPECIFICATIONS

1. The work executed shall be measured as per metric dimensions given in the schedule of quantities. The FPS units wherever indicated in the drawings are for guidance only.

2. Unless otherwise specified, all the rates quoted by the contractor shall be for items of work at all levels and heights of the building.

3. The work shall be executed as per the C.P.W.D. specifications 2002 (with correction slips and subsequent publications). In case of discrepancies between the specifications of a particular item as indicated in the C.P.W.D. specifications mentioned above and as indicated in the nomenclature of the item the latter shall prevail.

4. All stone aggregate, sand etc., shall be obtained only from quarries or other sources approved by the Engineer-in-Charge.

All the materials shall be got approved by the Engineer-in-Charge before they are actually procured and used at site.

5. The grading of sand to be used for mortars and concrete shall be determined at the site of work by the Engineer-in-Charge and sand conforming to these gradings only shall be used on the work.

6. Necessary washing, screening, etc., of metal and sand shall be done at site as per requirements of the Engineer-in-Charge.

7. Bricks shall have crushing strength of class designation.

8. The work of water supply and internal sanitary installations and drainage shall be carried out as per bye-laws of the local Municipal body.

9. All manufactured materials used on the work shall have ISI mark. In case of materials for which no manufacturer has been licensed to manufacture the materials with ISI marking, the materials shall conform to the provisions of C.P.W.D./MOSRTH/IRC/CPHEEO specifications or the ISI code (in the absence of C.P.W.D. specifications or other specification mentioned above for any particular
material). In the case of all materials, tests shall be conducted to ensure that they conform to the specifications of codes mentioned above.

10. All materials, which are to be tested before use on the work should be procured at least 2 months before use on the work so that enough time is available for testing them before they are actually used.

11. The cost of samples and all other incidental charges such as packing, transportation to the laboratory etc., shall be borne by the contractor. The testing fee shall be paid if the material passes the test by the Engineer-in-Charge.

12. The architectural drawings Nos. based on which the work is to be executed are available with the Engineer-in-Charge and can be inspected by the prospective tenderers up to the date of receipt of tenders at his office during working hours.

Use and testing of all the manufactured materials used in the work shall be regulated as per specifications 2002.

13. Before receiving final payment for the work, contractor shall give an undertaking to the effect that at his own cost he will rectify the defects in walls, roof like leakage, cracks etc. Which may come to light during the first monsoon after the completion of work and for this purpose part of the security deposit which may be deemed reasonable by the Engineer-in-Charge shall be retained till the first monsoon is over as security against the contractor’s failure to act upon the undertaking. This undertaking and consequent retention of part of the security deposit shall not invalidate the contract.

The timber to be used on the work shall be of first class wood of species mentioned in the particular item. The timber shall be kiln seasoned as per B.I.S. 1141 – 1973 and shall be treated with non-leachable type preservative by vacuum pressure method as per B.I.S. 401 – 1982.

**FACTORY MADE PANELLED SHUTTERS FOR DOORS**

14. The shutters shall be fabricated generally as per I.S. 1003 (Part I) – 1997 and as per Architect’s drawings. The timber to be used shall be of first class wood of species mentioned in the particular item which shall be kiln seasoned and preservative treated. The panels shall be as specified in the item number. Samples of shutters shall be got tested as per I. S. 1003 (Part I) – 1997. The rate quoted for the item shall include the element of cost of shutter to be sent for testing and no claim on this account shall be entertained at a later date.

15. Pressed clay tiles to be used on the work shall conform to I. S. 2690 (Part I) – 1975. However, the water absorption of the tiles when tested by the method described in the Appendix ‘A’ of the said I. S. 2690 (Part I) 1975 shall not exceed 18% (Eighteen percent.).
16. Shahabad stone slabs, marble slabs etc. on treads and risers of steps and shelves shall be in single pieces.

**P.V.C. PIPES INTERNAL WORK AND EXTERNAL WORK**

17. The specification in respect of laying and jointing rigid P.V.C. threaded pipes both internal and external shall be as per para 19.7.1 to 19.7.7 and 19.9.1 to 19.9.2 of C.P.W.D. specifications 1996 Vol.II and 2002. The rigid P.V.C. threaded pipes shall confirm to relevant ASTM standard and shall be ORIPLAST or equivalent.

18. Wherever RCC walls, fins and facials are monolithic the portion of RCC are to be measured as per the sketch attached in Page No. .........................

The top surface of the RCC roof slab shall be screeded to be uniform when the concrete is green, so as to have a proper bond with the roof treatment. Nothing extra shall be paid on this account.

19. For aluminium doors, fixed glazing, fixed windows, sliding windows, lower type ventilators and partitions etc. all aluminium sections shall be to the required size, thickness and weight as shown in the relevant Architect's Drawings.

20. The weight of stays given in C.P.W.D. specifications 2002 Volume I shall be for cast brass stays only.

The weight of the mild steel and anodized aluminium stays shall be as follows:

<table>
<thead>
<tr>
<th>Casement stays (Straight peg type)</th>
<th>Mild steel with tolerance of plus or minus %</th>
<th>Anodized aluminium with tolerances of plus or minus %</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) 300 mm long</td>
<td>0.13 Kg/each</td>
<td>0.06 Kg/each</td>
</tr>
<tr>
<td>(b) 250 mm long</td>
<td>0.10 Kg/each</td>
<td>0.05 Kg/each</td>
</tr>
<tr>
<td>(c) 200 mm long</td>
<td>-</td>
<td>0.04 Kg/each</td>
</tr>
<tr>
<td></td>
<td>The casement window fasteners</td>
<td>0.155 Kg/each</td>
</tr>
</tbody>
</table>
FORM OF PERFORMANCE SECURITY

BANK GUARANTEE BOND

In consideration of the Puducherry Slum Clearance Board (hereinafter called “The Government ”) having offered to accept the terms and conditions of the proposed Agreement ............ between .................and............... (hereinafter called “The said contractor(s)”)

...............................................................................................for the work (hereinafter called “the said agreement”) having agreed to production of a irrevocable bank Guarantee for Rs ............ (Rupees ........................................only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement. We

.......................(hereinafter referred to as “ the Bank”) ...........................................(indicate the name of the Bank) hereby undertake to pay to the Government an amount not exceeding Rs. ...... (Rupees......................................................... only) on demand by the Government.

2. We ...................... (indicate the name of the bank) do hereby undertake to pay the amounts due ....................... and payable under this guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs............. (Rupees ......................

........................... only).

3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payments so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We ....................... (indicate the name of the bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Engineer-in-charge on behalf of the Government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.
5. We………………… (Indicate the name of the bank) further agree with Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time, any of the powers exercisable by the Government against the said contractor(s) and to for-bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any bearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have affect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

7. We ……………………………… (Indicate the name of the bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid up to ………………………unless extended on demand by the Government. Not withstanding anything mentioned above, our liability against this guarantee is restricted to Rs………………….(Rupees………………………………only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated …………………………_the …………………_day of ………….for ……………………………………………

        (Indicate the name of the Bank)