PUDUCHERRY MUNICIPALITY

PUDUCHERRY

NOTICE INVITING TENDER

FORM-6

Certified that this NIT contains -99 items serially numbered from 1 to 99 contains 50 pages and approved for an amount of Rs.75,64,239/- (Rupees Seventy five lakhs sixty four thousand two hundred and thirty nine only).
PUDUCHERRY MUNICIPALITY
PUDUCHERRY

(Through e-tender mode)

NOTICE INVITING TENDER

1. Tender for the work of : Construction of Community Hall at 1st Cross in Sakthi Nagar, Nellithope, Puducherry.

2. Estimate Cost put to tender : Rs. 75,64,239/-

3. Earnest Money Deposit : Rs. 1,51,285/-

4. Date of tender opening :

5. This tender contains : 50 Pages.

6. Time allowed for this work : 12 months.

COMMISSIONER.
NOTICE INVITING TENDER for e-tendering

1. Item rate tenders are invited on behalf of Puducherry Municipal Council from eligible contractors registered with Public Works Department, Puducherry for the work of “Construction of Community Hall at 1st Cross in Sakthi Nagar, Nellithope, Puducherry” through e-Tender in online.

1.1 The Work is estimated to cost Rs.75,64,239/-. This estimate, however, is given merely as a rough guide.

1.2 Tender can be downloaded from e-Tender website www.pudutenders.gov.in by the eligible contractors/firms who are having wide experience in similar works registered with Public Works Department, Puducherry

2. Agreement shall be drawn with the successful tenderer on prescribed Form No.8 which is available with Puducherry Municipality, Puducherry. The Tenderer shall quote his rates as per various terms and conditions of the said form and submit on line to www.pudutenders.gov.in which will form part of the agreement.

3. The time allowed for carrying out the work will be 12 (twelve) 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:

“Construction of Community Hall at 1st Cross in Sakthi Nagar, Nellithope, Puducherry”

5. Contractors can download and submit the tenders only through on line from the web site. The contractors shall not approach the office of the Executive Engineer for receiving the Tender Schedule. The Tender Schedules can not be sold in the office of the Executive Engineer.

6. i) Earnest money of Rs. 1,51,285/- and tender schedule cost of Rs.1040 /-(including VAT @4%) should be paid through Banker’s cheque/ Demand draft mode only through offline in favour of the Commissioner, Puducherry Municipality, Puducherry as per the provisions found in the e-tender Notice.
ii) The scanned copy of the demand drafts for the cost of tender schedule and the earnest money amount shall be uploaded along with the scanned copy of the enlistment copy of the tenderer as per the provisions contained in the website for e-Tenders www.pudutenders.gov.in

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 website.

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

“Construction of Community Hall at 1st Cross in Sakthi Nagar, Nellithope, Puducherry”

Copies of other drawings and documents pertaining to works can be downloaded by the tenderers. 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 subsoil (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 through online 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 MUNICIPALITY and local conditions and other factors having bearing on the execution of the work.

9. The competent authority on behalf of the Puducherry Municipal Council does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject 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 Puducherry Municipal Council 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 Municipality, 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 Municipality, Puducherry. Any breach of this condition by the contractor would render him liable to the removed for the approved list of contractors of this Municipality.
13. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Puducherry Municipality, Puducherry is allowed to work as contractor for a period of two years after his retirement from Municipal services, without the previous permission of the Puducherry Municipal council 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 Puducherry Municipal council as aforesaid before submission of the tender or engagement in the contractors service.

14. The tender for the works shall remain open for acceptance for a period of Ninety days (90) from the date of opening of Financial Bid. If any tenderer with draws his tender before the said period or issue of letter of acceptance, whichever is earlier or makes any modifications in the terms and Conditions of the tender which are not acceptable to the Puducherry Municipality, then the Municipal council 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, with in 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 8.

Signature of the Commissioner.

For and on behalf of Puducherry Municipal Council
PUDUCHERRY MUNICIPALITY
PUDUCHERRY

ITEM RATE TENDER AND CONTRACT FOR WORKS

(A) Tender for the work of –

“Construction of Community Hall at 1st Cross in Sukhi Nagar, Nellithope, Puducherry”

(i) To be submitted online by 3.30P.M. on ---------------in www.pudutenders.gov.in

(j) To be opened in online at 4.00P.M. on ---------------in through the website.
TENDER

I/We have read and examined the notice inviting tender, schedule 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 documents for the work.

I/We hereby tender for the execution of the work specified for the Puducherry Municipal Council 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 respect in accordance with, such conditions so far as applicable.

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

A sum of Rs.1,51,285/- has been deposited [in Banker’s cheque/ Demand draft mode) as earnest money. If I/we, fail to furnish the prescribed performance guarantee fail to commence the work. I/we agree that the said Commissioner, Puducherry Municipality, Puducherry or his successors in office shall without prejudice to any other rights 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 work referred to in the tender documents upon the terms and conditions contains or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule ‘F’ and those in excess of that limit at the rates to be determined in accordance with the provision contained in 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 performance guarantee shall be absolutely forfeited to the Puducherry Municipal Council or his successors in office and the same may at the option of the competent authority on behalf of the Puducherry Municipal Council be recovered without prejudice to any other right or remedy available in law out of the deposit in so far 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.

Signature of Contractor
Postal Address

Dated-----------------------------­

Witness:

Address:

Occupation:
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 Municipal Council 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 the Puducherry Municipal Council

Signature.....................................................................................................................

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

Dated-------------

9
PUDUCHERRY MUNICIPAL COUNCIL
PUDUCHERRY MUNICIPALITY
GENERAL RULES AND DIRECTIONS

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 and in the e-Tender website 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 payments 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 his name in the appropriate field of the BOQ (Bill of Quantities) template uploaded, 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 for 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.

The rate(s) must be quoted in decimal coinage.

4A. 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.
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 receipts for the earnest money forwarded therewith shall thereupon 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 memorandum of work tendered for an the schedule of materials to be supplied by PUDUCHERRY MUNICIPALITY and their issue rates, shall be filled and completed in the office of the officer inviting tender. 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 uploads his tender.

8. 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.

9. In the case of item rate tenders which are called through e-Tender, only rates quoted shall be considered. Rates quoted by the contractor in item rate tender in figures shall be accurately filled in so that there is no discrepancy in the rates written in figures.

10. 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.

11. All rates shall be quoted on the tender form in online.

12. 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 the form of fixed deposit receipt etc., as in the case of recovery of security deposit within 15days 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.

13(A). A sum @ 10% of the gross amount of the bill shall be deducted form each running bill of 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 Puducherry Municipality on evaluation of tender and if the tender is found that the overall amount quoted is less than 15.00%, 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 of receipt of acceptance letter, shall entitle cancellation of award and forfeiture of EMD furnished.
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 Municipality will not entertain any claim whatsoever in respect of the same. This work is covered under section 78 of Puducherry Value Added Tax Ordinance, 2007 and hence the contractor is liable to pay a VAT at 2.8% of work done.

16. The contractor shall give a list of both gazetted and non-gazetted Puducherry Municipality employees related to him.

17. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves as/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 installations, electrical work, horticulture work, roads and paths etc. Tender 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</th>
<th>Name and particulars of Division where is being executed</th>
<th>Value of Work</th>
<th>Position of Work 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>
</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 a breach of the contract and the Puducherry Municipal council may in his discretion with out prejudice to any other right or remedy available in law to cancel the contract. The contractor shall also be liable for any pecuniary liability arising an account of any violation by him of the provisions of the said Act.
SCHEDULES

SCHEDULE ‘A’

Schedule of quantities (Enclosed)

SCHEDULE ‘B’

Schedule of materials to be issued to the contractor.

<table>
<thead>
<tr>
<th>SI. No.</th>
<th>Description of item</th>
<th>Quantity</th>
<th>Rates in figures and words at which the material 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>
<tr>
<td>Cement</td>
<td></td>
<td></td>
<td></td>
<td>Contractor’s own arrangements.</td>
</tr>
</tbody>
</table>

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>
<tr>
<td></td>
<td></td>
<td></td>
<td>Contractor’s own arrangements.</td>
</tr>
</tbody>
</table>

SCHEDULE ‘D’

Extra Schedule for specific requirements/documents of 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 Community Hall at 1st Cross in Sakthi Nagar, Nellithope, Puducherry ”

Estimate Cost Work : Rs. 75,64,239/-
Earnest Money : Rs. 1,51,285/-

Performance Guarantee : 5% of Tendered Value
Security Deposit : 5% of tendered Value

Additional Performance Guarantee (in case of tender which is more than 15.00% below) : 50% of the difference in cost between the quoted amount and estimate cost put to tender

GENERAL RULES & DIRECTIONS

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

Definitions:
2(v) Engineer-in-charge : The Executive Engineer Puducherry Municipality
2(viii) Accepting Authority : The Puducherry Municipal Council
2(x) Percentage on cost of material and labour to cover all overheads and profits.
2(xi) Standard Schedule of Rates : Puducherry Schedule of Rates for Rate the Year 2011-12
2(xii) Puducherry Municipality : Puducherry Municipality
9(ii) Standard P.W.D. Contract Form : Form-8 as modified and Form corrected upto date.

Clause 1 MODIFIED CLAUSES AS PER CON/MAN CIRCULARS
(i) Time allowed for submission of performance Guarantee from the date of issue of letter of acceptance, in days 15 days
<table>
<thead>
<tr>
<th>Item No</th>
<th>Description of Items</th>
<th>Qty</th>
<th>Rate</th>
<th>Unit</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>CODE NO. 2.6.1A Earth work in excavation over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m; disposed earth to be levelled and neatly dressed - all kinds of soil</td>
<td>84</td>
<td>0.08</td>
<td>cum</td>
<td>7.08</td>
</tr>
<tr>
<td>2.</td>
<td>CODE NO. 2.25 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50m and lift upto 1.5m.</td>
<td>42</td>
<td>0.04</td>
<td>cum</td>
<td>1.68</td>
</tr>
<tr>
<td>3.</td>
<td>CODE NO. 2.27 Supplying and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.</td>
<td>58</td>
<td>0.10</td>
<td>cum</td>
<td>5.80</td>
</tr>
<tr>
<td>4.</td>
<td>CODE NO. 2.27A 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>79</td>
<td>0.10</td>
<td>cum</td>
<td>7.90</td>
</tr>
<tr>
<td>5.</td>
<td>CODE NO. 2.28.1 Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m - All kinds of soil.</td>
<td>168</td>
<td>1.00</td>
<td>sqm</td>
<td>168.00</td>
</tr>
<tr>
<td>6.</td>
<td>CODE NO. 4.1.8 Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering.- All work upto</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
612x1008

plinth level -1:4:8 (1 cement:4 coarse sand : 8 graded stone aggregate 40mm nominal size) 35.00 1 cum (one cubic metre)

7. 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 upto plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) 38.00 1 cum (one cubic metre)

8. 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.upto floor five level excluding cost of centering, shuttering, finishing and reinforcement:1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) 21.00 1 cum (one cubic metre)

9. 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 stair cases 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). 60.00 1 cum (one cubic metre)

10. CODE NO. 5.8
Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards 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) 3.00 1 cum (one cubic metre)

11. CODE NO. 5.9.1
Centring and shuttering including strutting, propping etc.and removal of form for:Foundations , footings, bases of columns ,etc. for mass concrete.– Using steel sheet with M.S.frames 177.00 1 sqm (one square metre)
12. CODE NO. 5.9.3
Centring and shuttering including strutting, propping etc. and removal of form for: suspended floors, roofs, landings, balconies and access platform - Using steel sheet with M.S.frames 308.00 1 sqm (one square metre)

13. CODE NO. 5.9.5
Centring and shuttering including strutting, propping etc. and removal of form for: lintels, beams, plinth beams, girders, bressumers and cantilevers. - Using steel sheet with M.S.frames 162.00 1 sqm (one square metre)

14. CODE NO. 5.9.6
Centring and shuttering including strutting, propping etc. and removal of form for: columns, pillars, piers, abutments, posts and struts. - Using steel sheet with M.S.frames 328.00 1 sqm (one square metre)

15. CODE NO. 5.9.13
Centring and shuttering including strutting, propping etc. and removal of form for: Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards - Using water proof ply 12mm thick, Mango / silver wood scantling and casurina posts 61.00 1 sqm (one square metre)

16. CODE NO. 5.12
Providing, hoisting and fixing upto floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centring, shuttering, finishing smooth with 6 mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete but excluding cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) 2.50 1 cum (one cubic metre)

17. CODE NO. 5.18.2
Providing precast cement concrete jali 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including centring and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement : 3 fine sand) etc. complete excluding plastering of
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
<th>Rate</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.22.6</td>
<td>Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete - Thermo - Mechanically treated bars (TISCO / VIZAG / IISCO / SAIL / JSW) including placing the M30 grade Athes make cover block @ 60cm centre to centre</td>
<td>1</td>
<td>kg</td>
<td>26443.00</td>
<td></td>
</tr>
<tr>
<td>6.1.1</td>
<td>Brick work with FPS bricks of class designation 35 in foundation and plinth in cement mortar 1:4 (1 cement : 4 coarse sand)</td>
<td>1</td>
<td>cum</td>
<td>25.00</td>
<td></td>
</tr>
<tr>
<td>6.4.1</td>
<td>Brick work with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:4 (1 cement: 4 coarse sand)</td>
<td>1</td>
<td>cum</td>
<td>70.00</td>
<td></td>
</tr>
<tr>
<td>6.13.2</td>
<td>Half brick masonry with FPS bricks of class designation 35 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement: 4 coarse sand)</td>
<td>1</td>
<td>sqm</td>
<td>129.00</td>
<td></td>
</tr>
<tr>
<td>9.1.2V</td>
<td>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position - Vengai wood</td>
<td>1</td>
<td>cum</td>
<td>1.60</td>
<td></td>
</tr>
<tr>
<td>9.5.1.1V</td>
<td>Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding panelling which will be paid for separately. - Vengai wood - 35mm thick shutters.</td>
<td>1</td>
<td>sqm</td>
<td>53.00</td>
<td></td>
</tr>
<tr>
<td>9.7.1V</td>
<td>Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick: Vengai wood</td>
<td>1</td>
<td>sqm</td>
<td>28.00</td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Rate</td>
<td>Quantity</td>
<td></td>
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<tr>
<td>9.53</td>
<td>Providing 40x5 mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)</td>
<td>134.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.72.1</td>
<td>Providing and fixing bright finished brass butt hinges with necessary screws etc.complete : 125x85x5.5mm (heavy type)</td>
<td>52.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.72.5</td>
<td>Providing and fixing bright finished brass butt hinges with necessary screws etc.complete : 75x65x4mm (heavy type)</td>
<td>84.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.74.2</td>
<td>Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc.complete : 200x10mm</td>
<td>10.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.74.4</td>
<td>Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc.complete : 100x10mm</td>
<td>76.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.75.1</td>
<td>Providing and fixing bright finished brass door latch with necessary screws etc.complete : 300x16x5mm</td>
<td>2.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.75.2</td>
<td>Providing and fixing bright finished brass door latch with necessary screws etc.complete : 250x16x5mm</td>
<td>9.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.88</td>
<td>Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc.complete (best make of approved quality)</td>
<td>2.00</td>
<td>1 No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.92.1</td>
<td>Providing and fixing chromium plated brass handles with necessary screws etc.complete : 125mm</td>
<td>4.00</td>
<td>1 No</td>
<td></td>
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<tr>
<td>Code No.</td>
<td>Description</td>
<td>Details</td>
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<tr>
<td>9.92.3</td>
<td>Providing and fixing chromium plated brass handles with necessary screws etc. complete: 75mm</td>
<td>45.00 1 No. (one number)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9.95.1</td>
<td>Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125x75x4mm</td>
<td>15.00 1 No. (one number)</td>
<td></td>
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</tr>
<tr>
<td>9.96.1</td>
<td>Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with nuts and screws etc. complete: - 300x16mm</td>
<td>22.00 1 No. (one number)</td>
<td></td>
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</tr>
<tr>
<td>9.97.1</td>
<td>Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete: - 300x10mm</td>
<td>10.00 1 No. (one number)</td>
<td></td>
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</tr>
<tr>
<td>9.100.1</td>
<td>Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete: -125mm</td>
<td>11.00 1 No. (one number)</td>
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</tr>
<tr>
<td>9.101.1</td>
<td>Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete - single rubber stopper</td>
<td>11.00 1 No. (one number)</td>
<td></td>
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</tr>
<tr>
<td>9.134.1</td>
<td>Providing and fixing of 65mm Godrej Navtal lock of 6 levers etc complete</td>
<td>15.00 1 number (one number)</td>
<td></td>
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</tr>
<tr>
<td>10.17</td>
<td>Providing and fixing M.S. fan clamp type I or II of 16mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs, beams during laying including painting the</td>
<td></td>
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</tr>
</tbody>
</table>
42. CODE NO.10.26.3
Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing and staircase railing including applying a priming coat of approved steel primer. G.I. pipes.

35.00 1 No
No. (one number)

43. CODE NO.10.27
Supplying and fixing of steel grill work of m.s. angles, flats, squares and pipes including cost of welding charges, fixing in position in masonry walls with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) including one coat of priming coat etc. complete.

529.00 1 Kg
Kg (one kilogram)

44. CODE NO.11.4
52mm thick cement concrete flooring with concrete hardener topping under layer 40mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6mm nominal size) by volume. Hardening compound is mixed @ 2 litres per 50kg of cement or as per manufacturers specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.

32.00 1 sqm
sqm (one square metre)

45. CODE NO.11.12.1.3
Marble chips skirting (upto 30cm height) rubbed and polished to granolithic finish, top layer 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume: 18mm thick with under layer 12mm thick in cement plaster 1:3 (1 cement : 3 coarse sand): Medium shade pigment with white cement.

26.00 1 sqm
sqm (one square metre)
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Details</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.22.1.1</td>
<td>Tile work in skirting, risers of steps and dado (upto 2m height) over 12mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry @ 3.3kg/sqm including pointing in white cement mixed with pigment of matching shade complete. Marble tiles (Polished) Raj Nagar. 8mm thick.</td>
<td>56.00 1 sqm (one square metre)</td>
<td></td>
</tr>
<tr>
<td>11.23.3</td>
<td>Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved) over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with: Agaria white.</td>
<td>239.00 1 sqm (one square metre)</td>
<td></td>
</tr>
<tr>
<td>11.37</td>
<td>Providing and laying ceramic glazed floor tiles 300X300mm (thickness to be specified by the manufacture) of 1st quality conforming to IS : 15622 of approved make (Bell / Johnson / Regency / Somany / Naveen / Asian) in colours such as white, ivory, grey, fume red, brown laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete</td>
<td>13.00 1 sqm (one square metre)</td>
<td></td>
</tr>
<tr>
<td>12.15.1</td>
<td>Painting top of roofs with bitumen of approved quality at 17kg per 10sqm impregnated with a coat of coarse sand at 60 cudm per 10 sqm 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.</td>
<td>125.00 1 sqm (one square metre)</td>
<td></td>
</tr>
<tr>
<td>12.20</td>
<td>Providing and laying pressed clay tiles (as per approved pattern 20mm nominal thickness and of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% intergral water proofing compound laid over a bed of 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.</td>
<td>125.00 1 sqm (one square metre)</td>
<td></td>
</tr>
</tbody>
</table>
51. CODE NO.12.20L
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

12.00 1 cum
cum (one cubic metre)

52. CODE NO.12.41.2
Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion, (i) single socketed pipes. 110mm diameter.

100.00 1 metre
metre (one metre)

53. CODE NO.12.42.1.2
Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Coupler 110mm.

25.00 1 No
No. (one number)

54. CODE NO.12.42.3.2
Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS: 13592 type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion. Single Tee with door 110X110X110mm.

16.00 1 No
No. (one number)

55. CODE NO.12.42.5.2
Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Bend 87.5deg. 110mm bend

20.00 1 No
No. (one number)

56. CODE NO.12.42.6.2
Providing and fixing on wall face unplasticised-PVC moulded fittings / accessories for unplasticised rigid PVC rain water pipes conforming to IS : 13592 type A including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion. Shoe (plain)110mm shoe.

10.00 1 No
No. (one number)
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Rate</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.43.1</td>
<td>Providing and fixing unplasticised - PVC pipe clips of approved design to</td>
<td>60.00</td>
<td>1 No</td>
</tr>
<tr>
<td></td>
<td>unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood</td>
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<td>plugs, screwed with M.S. screws of required length including cutting brick</td>
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<td></td>
<td>work and fixing in cement mortar 1:4(1 cement : 4 coarse sand) and making</td>
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<td>good the wall etc. complete. 75mm</td>
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</tr>
<tr>
<td>13.1.1</td>
<td>12mm cement plaster of mix :Cement mortar 1:4 (1 cement : 4 fine sand)</td>
<td>793.00</td>
<td>1 sqm</td>
</tr>
<tr>
<td>13.2.1</td>
<td>15 mm cement plaster on rough side of single or half brick wall of mix -</td>
<td>582.00</td>
<td>1 sqm</td>
</tr>
<tr>
<td></td>
<td>cement mortar 1:4 (1 cement : 4 fine sand)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.16.1</td>
<td>6mm cement plaster of mix 1:3 (1 cement : 3 fine sand).</td>
<td>304.00</td>
<td>1 sqm</td>
</tr>
<tr>
<td>13.37.1</td>
<td>White washing with lime to give on even shade - New work (three or more</td>
<td>304.00</td>
<td>1 sqm</td>
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<td></td>
<td>coats).</td>
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</tr>
<tr>
<td>13.41.1</td>
<td>Distempering with oil bound washable distemper of approved brand and</td>
<td>582.00</td>
<td>1 sqm</td>
</tr>
<tr>
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<td>manufacture to give an even shade - New work (two or more coats) over and</td>
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<tr>
<td></td>
<td>including priming coat with cement primer.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.46.1</td>
<td>Finishing walls with Acrylic Smooth exterior paint of required shade -</td>
<td>793.00</td>
<td>1 sqm</td>
</tr>
<tr>
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<td>New work (Two or more coat applied @ 1.67 ltr / 10 sqm over and including</td>
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<tr>
<td></td>
<td>base coat of water proofing cement paint applied @ 2.20 kg / 10 sqm)</td>
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</tr>
<tr>
<td>13.50.1</td>
<td>Applying priming coat - with ready mixed pink or grey primer of approved</td>
<td>92.00</td>
<td>1 sqm</td>
</tr>
<tr>
<td></td>
<td>brand and manufacture on wood work (hard and soft wood).</td>
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</tr>
<tr>
<td>13.50.3</td>
<td>Applying priming coat: with ready mixed red oxide zinc chromate primer</td>
<td>79.00</td>
<td>1 sqm</td>
</tr>
<tr>
<td></td>
<td>of approved brand and manufacture on steel galvanised iron/steel works.</td>
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</tr>
</tbody>
</table>
66. CODE NO.13.61.1
Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work. 171.00 1 sqm

67. CODE NO.14.23
Pumping out water caused by springs, tidal or river seepage, broken water mains or drains and the like. 32.00 1 kl

68. CODE NO.16.96
Supplying fixing and commissioning of Suguna/ Texmo/Sharp 2HP monoblock pumpset slow speed single phase motor. The rate include the cost of pumpset, pumpset fixing in position and test run etc. complete. 1.00 1 No

69. CODE NO.16.98
Providing and fixing 20mm, thick PVC shutter for doors, windows, cupboard etc., made of rigid PVC extruded multi chamber section of size 20mm x200mm, and outer edges of shutter framed with PVC channel section of size 24mm x 59mm, having interlocking facilities. The door frame of extruded PVC section size 40mm x 48mm, having a maximum wall thickness 2.80mm 0.30mm. The corners and joints shall be mitrecut and welded. The rate shall include the cost of necessary hinges, handles and locking facilities wherever necessary. 8.00 1 sqm

70. CODE NO.17.1.1
Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100mm sand cast iron P or S trap, 10 litre low level white P.V.C. Flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required: white vitreous china orissa pattern W.C. pan of size 580X 440mm with integral type foot rests 2.00 1 pan

71. CODE NO.17.2.1
Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled...
device (handle lever, conforming
to IS: 7231, with all fittings and
fixtures complete) including
cutting and making good the walls
and floors wherever required W.C
pan with ISI marked white solid
plastic seat and lid.

72. CODE NO.17.7.4
Providing and fixing wash basin
with CI brackets, 15mm CP brass
pillar taps 32 mm CP brass waste
of standard pattern including
painting of fittings and
brackets, cutting and making good
the walls wherever required White
vitreous china flat back wash
basin size 550x400mm with single
15mm CP brass pillar taps.

73. CODE NO.17.10.1.4
Providing and fixing stainless
steel AISI 304 (18/8) Kitchen sink
as per IS 13983 with CI brackets
and stainless steel plug 40mm
including painting of fittings and
brackets, cutting and making good
the walls wherever required -
Kitchen sink with drain board -
510x1040 mm bowl depth 178mm.

74. CODE NO.17.16
Extra for using coloured pedestal
type wc pan (European type) with
low level cistern of same colour
instead of white vitreous china WC
pan and cistern.

75. CODE NO.17.28.1.1
Providing and fixing PVC waste
pipe for sink or wash basin
including PVC waste fittings
complete - Semi rigid pipe - 32mm
dia.

76. CODE NO.17.32.2
Providing and fixing mirror of
superior glass (of approved
quality) and of required shape and
size with plastic moulded frame of
approved make and shade with 6mm
thick hard board backing
rectangular shape 453x357mm.

77. CODE NO.17.32.4
Providing and fixing mirror of
superior glass (of approved
quality) and of required shape and
size with plastic moulded frame of
approved make and shade with 6mm
thick hard board backing
rectangular shape 1500 x 450 mm.
78. CODE NO.17.35.1.1
Providing and fixing soil, waste and vent pipes 100mm dia Sand cast iron S&S pipe as per IS 1729. 70.00 1 metre (one metre)

79. CODE NO.17.56.2.2
Providing and fixing terminal guard : 75 mm sand cast iron S&S as per IS -3989. 6.00 1 number (one number)

80. CODE NO.17.60.1.2
Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors 100 mm inlet and 100 mm outlet sand cast iron S&S as per IS 1729. 5.00 1 number (one number)

81. CODE NO.17.73.2
Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190 gm. 2.00 1 number (one number)

82. CODE NO.18.10.2
Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls etc. Internal work - exposed on wall 20 mm dia nominal bore. 75.00 1 metre (one metre)

83. CODE NO.18.10.3
Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls etc. Internal work - exposed on wall 25 mm dia nominal bore. 10.00 1 metre (one metre)

84. CODE NO.18.10.5
Providing and fixing GI pipes complete with GI fittings and clamps including cutting and making good the walls etc. Internal work - exposed on wall 40 mm dia nominal bore. 40.00 1 metre (one metre)

85. CODE NO.18.15.1
Providing and fixing brass bib cock of approved quality - 15 mm nominal bore. 20.00 1 No. (one number)
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Unit Price</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>18.17.1</td>
<td>Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end) - 25 mm nominal bore.</td>
<td>1.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.17.2</td>
<td>Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end) - 32 mm nominal bore.</td>
<td>5.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.18.1.2</td>
<td>Providing and fixing ball valve (brass) of approved quality complete. high or low pressure with plastic floats - 20 mm nominal bore.</td>
<td>2.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.22.1</td>
<td>Providing and fixing CP brass shower rose with 15 or 20 mm inlet 100 mm diameter.</td>
<td>3.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.46.2</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) 20 mm nominal bore.</td>
<td>20.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.46.3</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) 25 mm nominal bore.</td>
<td>15.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.46.5</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) 40 mm nominal bore.</td>
<td>10.00</td>
<td>1 No</td>
</tr>
<tr>
<td>18.48</td>
<td>Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI: 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet outlet and overflow pipes but without fittings and the base support for tank</td>
<td>2000.00</td>
<td>1 litre</td>
</tr>
<tr>
<td>18.60.1</td>
<td>Providing and fixing enclosed type water meter (bulk type) conforming to IS 2373 and tested by Municipal Board complete with bolts, nuts,</td>
<td>28</td>
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</tbody>
</table>
rubber insertions etc,(The tail pieces if required will be paid separately) 80mm dia nominal bore. 1.00 1 number

95. CODE NO.19.18.1
Supplying and fixing CI cover without frame for manholes 455x610mm rectangular CI cover (light duty) the weight of the cover to be not less than 23 Kg. 4.00 1 number

96. CODE NO.19.30.1.1
Constructing brick masonry chamber for underground CI inspection chamber and bends with 75 class designation bricks in cement mortar 1:4 (1 cement: 4 coarse sand) CI cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C top slab with 1:2:4 mix (1 cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement: 5 course sand: 10 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design Inside dimensions 450 x 610 mm and 45 cm deep for single pipe line with F.P.S bricks. 4.00 chamber

97. CODE NO.19.33
Constructing soak pit 1.20 x 1.20 x 1.20 m filled with brick bats including SW drain pipe 100 mm diameter and 1.20 m long complete as per standard design. 1.00 1 number

98. CODE NO.20.2.1
Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, Bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and
leads (length of pile for payment shall be measured up to bottom of pile cap). 300mm dia piles. 300mm dia piles.

99. CODE NO. 20.2.3
Boring, providing and installing bored cast-in-situ reinforced cement concrete pile of specified diameter and length below the pile cap M35 in cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with, bentonite solutions and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc., all complete, including removal of excavated earth with all lifts and leads (length of pile for payment shall be measured up to bottom of pile cap). 450mm dia piles.
(ii) Maximum allowable extension beyond the Period as provided in (i) above in days 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 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.

The Superintending Engineers/Executive Engineers of the Puducherry Municipality are hereby instructed that on evaluation of tender if it is found that if the over all amount of quoted tender is less than (-) 15%, the contractor shall 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 15days from the date of receipt of acceptance letter, shall entitle cancellation of award and forfeiture of EMD furnished.

<table>
<thead>
<tr>
<th>Clause 1A</th>
<th>Recovery of Security Deposit as amended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clause 2</td>
<td>Authority for fixing compensation under Clause 2</td>
</tr>
<tr>
<td>Clause 2A</td>
<td>Whether Clause 2A shall be applicable</td>
</tr>
<tr>
<td>Clause 3</td>
<td>Modified</td>
</tr>
<tr>
<td>Clause 3A</td>
<td>Modified</td>
</tr>
<tr>
<td>Clause 3B</td>
<td>Deleted</td>
</tr>
<tr>
<td>Clause 5</td>
<td>Para (i) Time allowed for execution work.</td>
</tr>
<tr>
<td>Para(ii)</td>
<td>Authority to give fair and reasonable extension of time for completion of work</td>
</tr>
</tbody>
</table>
MILESTONE (S)  As per table given below

### TABLE OF 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

<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>¼ (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 (-do-)</td>
<td>½ (do)</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>3/4th (-do-)</td>
<td>¾ (do)</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 to gather with net payment/ adjustment of advances for material collected. If any, Since The last such payment for being eligible to interim payment. Rs. 6,30,360/-
Clause 10B (ii) Mobilisation advance modified to the max of 10% of tendered value with 10% simple interest. Not applicable

Clause 10B (iii) Plant, Machinery and Shuttering Material Advance as amended

Clause 10C As amended

Clause 10CA Applicable / Not applicable

Clause 10CC Applicable / Not applicable

Clause 11 Specifications to be followed C.P.W.D. specifications 2002
for execution of works 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 superstructure. 30%

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. 50 %

(ii) For foundation work 100 %
Clause 16
Competent Authority for deciding reduction of rates
The Commissioner, Puducherry Municipality, on the advice of SE/OM

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 in civil Engineering</td>
<td>Civil</td>
<td>Principal Technical Representative</td>
<td>5 years</td>
<td>1</td>
<td>₹15,000/- p.m. (Rupees Fifteen thousand only)</td>
</tr>
<tr>
<td>2.</td>
<td>Graduate Engineer or Diploma Engineer</td>
<td>Civil</td>
<td>Technical Representative</td>
<td>NIL or 5 years</td>
<td>1</td>
<td>₹10,000/- p.m. (Rupees Ten thousand only)</td>
</tr>
</tbody>
</table>

Assistant Engineers retired from Government services who are holding Diploma will be treated on 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 2007 Printed by C.P.W.D.

(ii) Variations permission on theoretical quantities.

(a) Cement for work with estimated cost put to tender more than Rs. 5 lakhs. 3% Plus/minus

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

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

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

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

<table>
<thead>
<tr>
<th>Sl.</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 of materials issued by Puducherry Municipality.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Excess beyond Permissible Variation</td>
<td>Less use beyond the Permissible Variation</td>
</tr>
<tr>
<td>(1)</td>
<td></td>
<td>(2)</td>
</tr>
<tr>
<td>1.</td>
<td>Cement</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Steel reinforcement</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Structural sections</td>
<td></td>
</tr>
<tr>
<td>4.</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>

CLAUSE 47: “During the course contract period, deduction of ‘CESS’ to provide social security and various Welfare benefits through the Puducherry Buildings and other construction workers’ Welfare Board under section 18 of the buildings and other construction Workers Cess collection (RECS) Act, 1996 shall be made at the rate of 1% (One percent) of the gross amount of each bill or as per the advice of the Government of Puducherry.
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 Puducherry Municipality 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 respects, 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 there to or revision there of 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 give to 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, enclosure and pay all fees, taxes and charges which may be leaviable on account of the operations during the execution of the contract. No extra claim of the contractor will be entertained by the Puducherry Municipality 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 cooperate with them as found to necessary at no extra cost.

10. Any cement slurry or lime mortar or any combination there of or water proofing material required for continuation from old work is demand to have been in build 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 Puducherry Municipality.

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 weather proof roofs and walls. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with the Puducherry Municipality, 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 cements shall be stacked on proper floors consisting of two layer of dry bricks laid on well consolidated earth at a level of at 0.3 metres above ground level. These stocks shall be in rows of 2 and 10 high with a minimum of 0.6 metre 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 or their work, should understand that all materials (e.g. stone and other materials) obtained in the work of dismantling, excavations etc. will be considered Puducherry Municipality property and issued to the contractor (if they require the same for their own use) at rates approved by Puducherry Municipal council. If these materials are not require by them they will disposed off to the best advantage of Puducherry Municipal Council.

DELAY IN OBTAINING MATERIALS BY THE PUDUCHERRY MUNICIPALITY

II. Owing difficulty in obtaining certain materials in the open market, the Puducherry Municipality have undertaken to supply materials specified in Schedule ‘B’ of the tender from at rates stated therein. There may be delay in obtaining the materials by the Puducherry Municipality 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 the 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 Municipality 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 shads as per actual requirements of the work to be done with the Engineer-in-Charge at the Puducherry Municipality store at the site of work.

The contractor shall be responsible for the water proofness 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 Municipality authorities whenever required at their own cost. The work shall be carried out according to the Puducherry Municipal Bye-Laws and the contractor shall produce necessary certificate from Puducherry Municipality 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 the Puducherry Municipal 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 materials stipulated to be issued by Puducherry Municipality.

INCONVENIENCE TO PUBLIC

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 Puducherry Municipality 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
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 confirm to the provision of any Puducherry Municipal 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 the 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 excavating is surplus or not.

The surplus earth excavated which is beyond the requirement of Puducherry Municipality Works, may be allowed by the Executive Engineer to be disposed off 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 Municipal 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 principals 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) Measures 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 Puducherry Municipality may require when necessary, a medical examination of workers.

(i) Instructions will regard to the special hygienic precautions to be taken in the painting trade shall be distributed to working painter.

The Standard Sectional weights referred to as standard tables in para 5.3.3 specifications for work 1996 vol-VI 2002 be considered for conversion of length of various sizes of M.S bars and for steels bars into weight are as under.

<table>
<thead>
<tr>
<th>Size (Diameter) mm (1)</th>
<th>Weight Kg/m (2)</th>
<th>Size (Diameter) mm (3)</th>
<th>Weight Kg/m (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 0.222</td>
<td>25</td>
<td>3.855</td>
<td></td>
</tr>
<tr>
<td>8 0.395</td>
<td>28</td>
<td>4.836</td>
<td></td>
</tr>
<tr>
<td>10 0.617</td>
<td>32</td>
<td>6.316</td>
<td></td>
</tr>
<tr>
<td>12 0.888</td>
<td>36</td>
<td>7.994</td>
<td></td>
</tr>
<tr>
<td>16 1.579</td>
<td>40</td>
<td>9.869</td>
<td></td>
</tr>
<tr>
<td>18 1.999</td>
<td>45</td>
<td>12.490</td>
<td></td>
</tr>
<tr>
<td>20 2.467</td>
<td>50</td>
<td>15.424</td>
<td></td>
</tr>
<tr>
<td>22 2.985</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Issue of steel diameter above 10.mm will be regulated on sectional weights basis, weight being calculated with the help of the above tables. However, for bars TMT steel upto and including 10mm the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variations between the actual and the standard co-efficient given above and the contract’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 construction 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 in clause 109 of Ministry’s Specifications for Road and Bridge Works 4th 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 Specification 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 actions as stipulated in Ministry’s for Road and Bridge works (4th Revision).

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

The Ministry’s Specifications 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, 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.

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

(13) The contractor shall use Hydrostatic paver with Sensor control for this work.

(14) Regarding bearings, the MoRTH letter No.RW/NH-34057/1/2008-S & R (B) dated 22.7.2009 and its Corrigendum No.RW/NH-34057/1/2008-S & R (B) dated 09.09.2009 shall be adhered.

(15) The Pile shall be terminated at a depth as per the direction of Engineer-in-charge.

**ADDITIONAL CONDITIONS**

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

2. (a) For the purpose of recording measurements and preparing running account bills, 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 completed nomenclature of the relevant items in the agreement and other relevant specifications.

   (b) In the case of extra and substituted items of work for which abbreviated nomenclature is not provided in the agreements, 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 edges 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 to IS 1868 – 1968 to gather with reference to IS: 5523 – 1969.

7. Where hydrated lime is not 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 statue, after the date of receipt of tenders, and the contractor thereupon necessarily and properly pays such taxes/levies, the contractor shall be reimbursed the amount so paid provided such payment. If any is not in the opinion of the Commissioner (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 Municipality and further shall furnish such other information /documents as the Engineer-in-charge may require.

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

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 organize his work in such a way that the normal functioning of the premises in not disturbed.

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

12. The item of Antitermite treatment shall be executed through a specialized firm.

**CONDITIONS FOR STEEL:**

13. The contractor shall make his own arrangements to provide the steel required for the work from SAIL / IISCO / TISCON / VIZAG / JSW 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 / PPC cement having ISI mark from reputed firms having annual turn over of not less than one million MT and store 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 replaced 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 for 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 Pump 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© F.No.286/2002-03, dates 30-10-2002 the Pondicherry Schedule of Rates Abbreviated /nomenclature 2007 for building and road works shall be adopted in the recording of measurements and preparation running account bills, etc., wherever applicable as per CPWD 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 items of work at all levels and heights of the building.

3. The work shall be executed as per the C.P.W.D specification 2002 (with correction slips and subsequent publications). In case of discrepancies between the 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 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./MOST/MORTH/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 procured atleast 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 drawing Nos. based on which the work is to be executed are available with the Engineer-in-charge can be inspected by the prospective Tenderers up to the date of receipt of tender at his office during working hours.

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

13. Before receiving final payment for the work, contractor shall given an undertaking to the effect that at his own cost, he will rectify the defects in wall roof like leakage, cracks etc., which may come to light during the first monsoon after the completion of the 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-reachable 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 items 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.
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 19.9.2 of C.P.W.D specification 2002 and Vol. II and 2002. The rigid P.V.C threaded pipes shall confirmed 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 standard norms laid down in this purpose.

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, louvered 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 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 Municipal council (hereinafter called “Council”) having offered to accept the terms and conditions of the proposed agreements made between the commissioner Puducherry Municipality and----------------------(hereinafter called “the said contractor”)------------------ for the work------------------------(here in after called “the said agreement”) having agreed to production of an irrevocable Bank Guarantee for Rs.--------------------------(Rupees -------------------------- only) As security/guarantee from the Contractor(s) for compliance of his obligations in accordance with terms and conditions in the said agreement, We--------------------------( herein after referred to as “the Bank”) (Indicate the name of the Bank) hereby Undertake to pay to the Municipality an amount not exceeding Rs.--------------------------(Rupees-------------------------- only) on demand by the Municipal council.

2. We ----------------------(indicate the name of the bank) de hereby undertake to pay the amounts due(**indicate the name of the Bank) and payable under this Guarantee without any demure, merely on a demand from the council 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 council any money so demanded not with standing any dispute or disputes raised by the contractors(s) in any suit or proceeding pending before any court or Tribunal relating thereto, out liability under this present being absolute and unequivocal. The payment 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** -------------------------- further agree that the guarantee here in (**indicate the name of bank) 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 Council under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Council 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**----------------------------------------------- further agree with the Council that (**indicate the name of the bank). The Council shall have the fullest liberty without our consent and without effecting 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 to time any of the powers exercisable by the Council against the said contractor(s) and to for bear or enforce any of the terms and conditions relating to the said agreement and 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 forbearance act of omission on the part of the Council or any indulgence by the Council 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 effect of so reliving us.

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

7. We**----------------------------------------------- lastly undertake not to revoke this (** indicate the name of the bank) guarantee except with the previous consent of the Council in writing.

8. This guarantee shall be valid upto------------------------- Unless extended on demand by Council. Not with standing any thing mentioned above, our liability against this guarantee is restricted to Rs-------- ------------------(Rs-------------------------------- only) and unless claim in writing is lodged with us within six months of the date expiry or the extended date of expiry, of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated this --------------------------------- day of ----------------- for-------------------------------------

-----------------------------------------------------------------------(indicate the name of bank)