

NOTICE INVITING TENDER

Tender for the work of : Construction of Anganwadi Centre
Buildings at K2 - Kalikuppam
(1 No.) in Karaikal

Approximate cost put to tender : Rs. 4,14,366/-

Earnest money deposit : Rs. 8,287/-

Date of tender : 21.11. 2008 3.30 p.m

This tender contains : 36 (thirty six) sheets only

Time allowed for the work : 3 (Three) months including
moonsoon period

1. Name of the contractor :
2. Class of contractor :
3. Date of application for tender :
4. Date of receipt of application :
5. Date of issue of tender :
6. Receipt No. and date :

GOVERNMENT OF PUDUCHERRY
PROJECT IMPLEMENTATION AGENCY
NOTICE INVITING TENDER

1. Item rate tenders are invited on behalf of Project Implementation Agency from approved and eligible contractors of C.P.W.D. and those of appropriate list of P & T, M.E.S. and Pondicherry State P.W.D. for the work of **Construction of Anganwadi Building at K2- Kalikuppam in Karaikal** The enlistment of the contractor should be valid on the last date of sale of tender.

1.1 The work is estimated to cost **Rs. 4,14,366/-** This estimate, however, is given merely as a rough guide.

1.2 "The Executive Engineer, Project Implementation Agency, Puducherry invites the tenders for the construction of works detailed in the table on behalf of Project Implementation Agency, sealed Item Rate tenders from the contractors Registered with the PWD., Puducherry and contractors Registered with CPWD., MES., Railways, P&T and other state PWD's in appropriate class (for P.W.D Works in the U.T. of Puducherry) on condition that the contractors should produce documentary evidence in support of their having satisfactorily executed not less that three similar works, two similar works and one similar work during the last five years each costing not less than 30%, 40% and 80% respectively of the estimated cost put to tender".

For the purpose of this clause " Similar works" means the works of **Building Works**

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

3. The time allowed for carrying out the work will be **3(three) months including moonsoon period.** from 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 :—

.....

5. Receipt of applications for issue of forms will be stopped by 4.00 p.m **Seven days** before the date fixed for opening of tenders. Issue of tender forms will be stopped **three days** before the date fixed for opening of tenders.

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the Office of the Executive Engineer, Project Implementation Agency, Puducherry, between 11.00 a.m. and 4.00 p.m. everyday except on Saturdays, Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of **Rs. 500/- in cash + VAT@ 4%**

6. The tender shall be accompanied by earnest money of **Rs. 8,287/-**. in Cash Receipt (upto 10,000/-) / Treasury Challan / Deposit at Call Receipt of a Scheduled Bank / Fixed Deposit Receipt of a Scheduled Bank / Demand Draft of a Scheduled Bank issued in favour of the Executive Engineer, Project Implementation Agency, Puducherry, the amount being credited to the Executive Engineer, Project Implementation Agency, Puducherry when an amount of earnest money is more than Rs.5 lakhs, part of earnest money is acceptable in the form of bank guarantee is also. In such cases minimum 50 % of earnest money or Rs.20 lakhs whichever is less will have to be deposited in form prescribed above and balance can be accepted in the form of bank guarantee issued by a scheduled bank. . The fixed deposit receipt shall be accepted only if it is valid for six months or more after the last date of receipt of tenders and is pledged in favour of the Executive Engineer, Project Implementation Agency, Puducherry.

7. Tenders, which should always be placed in sealed envelope, with the name of the work and due date written on the envelopes, will be received by the Executive Engineer, Project Implementation Agency, Puducherry upto 3.30 p.m. on **21.11.2008** and will be opened by him or his authorised representative in his office on the same day at 4.00 p.m.

8. The contractor shall be required to place the earnest money and the tender in separate sealed envelopes marked "Earnest Money" and "Tender" respectively. Both the envelopes shall then be placed in another sealed envelope and submitted to the tender inviting authority in the usual manner. The officer opening the tenders shall first open the envelope containing the earnest money. If the earnest money is found to be in order, only then the officer shall proceed further with opening the tender. In case the earnest money is not deposited or is not in order, the tender shall be returned to the tenderer unopened either on the spot, if the tenderer is present, or later by post. Only as mentioned this effect shall be made in the tender opening register.

9. The description of the work is as follows :—

Construction of Anganwadi Centre Buildings at K2 – Kalikuppam in Karaikal Copies of other drawings and documents pertaining to the works will be opened for inspection by the tenderers at the office of the above-mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants, etc. will be issued to him by Project Implementation Agency, Puducherry, and local conditions and other factors having a bearing on the execution of the work.

10. The competent authority on behalf of Project Director, Project Implementation Agency does not bind to accept the lowest or any other tender and reserves to himself the authority to any or all the tenders received without the assignment of a reason. All tenders, in 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.

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

12. The competent authority on behalf of Project Implementation Agency, Puducherry reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

13. The contractor shall not be permitted to tender for works in the Project Implementation Agency (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 Joint Project Director(Technical) 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 Project Implementation Agency. Any breach of his condition by the contractor would render him liable to be removed from the approved list of contractors of this Project Implementation Agency.

14. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of Puducherry is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of Puducherry in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of Puducherry as aforesaid before submission of the tender or engagement in the contractors service.

15. The tender for the works shall remain open for acceptance for a period of sixty days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance which ever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

Sales tax, purchase tax, turnover tax or any other tax on material in respect of this contract shall be payable by the contractor and Project Implementation Agency, 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 2.80 % of work done.

16. This notice inviting tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 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 Divisional Officer/

Subdivisional Officer

.....

For and on behalf of Project Implementation Agency

**GOVERNMENT OF P U D U C H E R R Y
PROJECT IMPLEMENTATION AGENCY**

STATE: PUDUCHERRY

CIRCLE: JOINT PROJECT DIRECTOR (T)
PUDUCHERRY

REGION: PUDUCHERRY

DIVISION: EXECUTIVE ENGINEER
PUDUCHERRY
SUB-DIVISION: ASSISTANT ENGINEER - I
PUDUCHERRY

ITEM RATE TENDER AND CONTRACT FOR WORKS

(A) Tender for the work of — **Construction of Anganwadi Centre Buildings at K2- Kalikuppam in Karaikal**

(i) To be submitted by 3.30 p.m. on **21.11.2008** to the Executive Engineer, Project Implementation Agency, Puducherry.

(ii) To be opened in the presence of tenderers who may be present at 4.00 p.m. on **21.11.2008** in the Office of the Executive Engineer/ Project Implementation Agency, Puducherry.

Issued to :

(Contractor)

Signature of officer issuing the documents :

Designation : Executive Engineer, Project Implementation Agency, Puducherry.

Date of issue :

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 document for the work.

I/We hereby tender for the execution of the work specified for the Project Implementation Agency, Puducherry 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 and Directions and in Clause 11 of the Conditions of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditons so far as applicable.

We agree to keep the tender open for sixty (60) days from the due date of submission therefore and not make any modifications in its terms and conditions.

A sum of **Rs.8,287/-** is hereby forwarded in cash (upto Rs.10,000/-) /Receipt/Treasury challan/ Deposit at call Receipt of a Scheduled bank as earnest money. If I/We, fail to commence the work specified I/We agree that the said Executive Engineer, Project Implementation Agency, Puducherry or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in 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 therefrom to any person other than a person to whom I/we am/are authorised to communicate the same or use the information in any manner prejudicial to be safety of the Project Implementation Agency.

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

Dated.....

Signature of Contractor

Postal Address

Witness :

Address :

Occupation :

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 Project Implementation Agency 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 Project Implementation Agency

Signature.....

Designation.....

Dated.....

**PROJECT IMPLEMENTATION AGENCY
EMERGENCY TSUNAMI RECONSTRUCTION PROJECT
PUDUCHERRY**

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

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

4A. In case of Percentage Rate Tenders, tenderer shall fill up the usual printed form, stating at

what percentage below / above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule 'A' he will be willing to execute the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

5. The officer inviting tender or of his duly authorised Assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amount of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money forwarded therewith shall 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 receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorised cashier.

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

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

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

Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount.

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

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

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

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

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

13A. A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with sum already deposited as earnest money will amount to security deposit of 5% of the tendered value of the work (Bank Guarantee is not to be accepted as security deposit).

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 Project Implementation Agency, 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 2.80% on value of work done.

16. The contractor shall give a list of both gazetted and non-gazetted Project Implementation Agency employees related to him.

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

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

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

Name of work	Name and particulars of	Value of	Position of	Remarks
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division where is being work works in
executed progress

(1) (2) (3) (4) (5)

20. The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Dean may in his discretion without prejudice to any other right or remedy available in law cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

SCHEDULES

SCHEDULE 'A'

Schedule of quantities (Enclosed) From page No.56 to 72

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

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

contractors own arrangement

SCHEDULE - A

Name of work: **Construction of Anganwadi Centre Buildings at K2- Kalikuppam in Karaikal**

Sl.No	Description of Work	Qty	Rate Rs.	Unit	Amount
1	Code No. 2.8.1 Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m. Including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m - all kinds of soil.	35		Cum (one cubic Metre)	
2	Code No. 2.27.1 Extra for every additional lift of 1.5m are part thereof in; all kinds of soil.	4		Cum (one cubic Metre)	
3	Code No. 2.26				

	Filling available excavated 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. Lead upto 50m and lift upto 1.5m	27 Cum	Cum (one cubic Metre)
4	Code No. 2.26B 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.	14 cum	Cum (one cubic Metre)
5	Code No. 2.28 Supplying and filling in plinth with river sand under floors including watering, ramming, consolidating and dressing complete.	6 cum	Cum (one cubic Metre)
6	Code No. 4.5.8		

	<p>Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40mm nominal size).</p>	<p>5.50</p>		<p>Cum (one cubic Metre)</p>
<p>7</p>	<p>Code No. 5.1.3</p> <p>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 - 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size).</p>	<p>5.10</p>		<p>Cum (one cubic Metre)</p>
<p>8</p>	<p>Code No. 5.2.3</p>			

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 centring, shuttering, finishing and reinforcement - 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size).

1

cum

cum

(one cubic Metre)

9 Code No. 5.3

Reinforced cement concrete work in beams, suspended floors, roof having slope upto 15 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral cases upto floor five level excluding cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).

6.50

cum

Cum

				(one cubic Metre)
10	<p>Code No. 5.14.1</p> <p>Centring and shuttering including strutting, propping etc. and removal of form for foundations, footings, bases of columns etc. for mass concrete.</p>	6	Sqm	(one square metre)
11	<p>Code No. 5.14.3</p> <p>Centring and shuttering including strutting, propping etc. and removal of form for - suspended floor, roofs, landings, balconies and access platform.</p>	38	Sqm	(one square metre)
12	<p>Code No. 4.24</p> <p>Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 12.5mm nominal size).</p>	7	Sqm	(one square metre)
13	<p>Code No. 5.14.6</p>			

14	<p>Centring and shuttering including strutting, propping etc.and removal of for column Sundries for four building</p>	24	<p>Sqm (one square metre)</p>
14	<p>Code No. 5.14.5 Centring and shuttering including strutting, propping etc.and removal of form for-lintels, beams,plinth beams,girders, bressummers and cantilevers.</p>	35	<p>Sqm (one square metre)</p>
15	<p>Code No. 5.25.1 Providing precast cement concrete jali 1:2:4 (1 cement :2 sand:4 stone aggregate 6 mm nominal size) reinforced with 1.6 mm dia mild steel wire including centering and shuttering, roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement : 3 sand) etc.complete excluding plastering of the jambs, sills and soffits - 50 mm thick.</p>	5	<p>Sqm (one square metre)</p>
16	Code No. 5.29.3B		

	<p>Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Thermo mechanically treated bars(TMT) -TISCON/ VIZHAG/ IISCO & SAIL.</p>	<p>1350</p>	
	<p>17 Code No. 5.19 Providing, hoisting and fixing upto floor five level precast reinforced cement concrete in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3(1 cement :3 sand) on exposed surfaces complete but excluding the cost of reinforcement with 1:2:4 (1 cement : 2 coarse sand:4 graded stone aggregate 20 mm nominal size).</p>	<p>0.10</p>	<p>Kg (one Kilogram)</p> <p>Cum (one cubic metre)</p>
<p>18</p>	<p>CODE NO. 6.1.10</p>	<p>Cum</p>	

	Brick work with bricks of class designation 35 in foundation and plinth in -cement mortar 1:6 (1 cement : 6 sand).	24	Cum	Cum (one cubic metre)
19	CODE NO.6.3 Extra for Brick work in superstructure above plinth level upto floor five level.	15	Cum	Cum (one cubic metre)
20	CODE NO. 6.18.4 Half Brick masonry with bricks of class designation 35 in superstructure above plinth level upto floor five level in - cement mortar 1:4 (1 cement : 4 sand)	20	Sqm	Sqm (one square metre)
21	CODE NO. 6.19 Extra for Half Brick masonry in superstructure above plinth level upto floor five level	20	Sqm	Sqm (one square metre)
22	CODE NO. 9.1.4P			

Providing wood work in frames of doors, windows, clerestory windows and other frames wrought framed and fixed in position - country wood (Padak)

0.40

Cum

Cum

(one cubic metre)

23 CODE NO.9.5.17.2

Providing and fixing 30mm thick factory made commercial quality panel door shutters single/double leaf made from chemically (non leachable preservative) preservative treated (as per i.s. 401-1982) and kiln seasoned (as per i.s.1141 and i.s.287) hard wood timber as per class `c' (i.s.1003-part-i) having styles and top rails 100mm wide, lock rail 175mm and bottom rail 200mm wide with panelling of 9mm thick plywood commercial veneered on both faces bonded with b.w.p. type phenol formal - dehyde synthetic resin confirming to i.s. 848-1974 shall apply.

10

Sqm

Sqm

(one square metre)

24	CODE No.9.4.5.3P	<p>Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including black enamelled M.S.Butt hinges with necessary screws excluding panelling which will be paid separately - country wood (Padak) - 30mm. thick shutters.</p>	1.20	Sqm	(one square metre)
			Sqm		
25	CODE No.9.5.4P	<p>Providing and fixing panelling or panelling and glazing in panelled or pannelled and glazed shutters for doors, windows and clerestory windows (area of opening for panel inserts excluding portion inside grooves are rebates to be measured). Panelling for panelled or panelled and glazed shutters 25mm to 40mm thick - country wood</p>	1	Sqm	(one square metre)
			Sqm		
26	CODE No.11.38				

	White glazed tiles of minimum thickness 5mm in skirting risers of steps and dado on 12mm thick cement plaster 1:3 (1cement : 3 sand) and jointed with white cement slurry and matching pigment etc.	10	
		Sqm	Sqm (one square metre)
27	CODE No.11.84A Providing and laying in floors ceramic tiles of thickness not less than 6mm of size 30cm x 30cm of premium quality make of Johnson / Regency / Naveen / Kajaria tiles of approved colour and design laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including grouting the joints with white cement and matching pigment etc., complete.	3	
		Sqm	Sqm (one square metre)
28	CODE No.16.89		

	<p>Providing wall black board with cement mortar 1:3(1cement :3 sand) finishing with a floating coat of neat cement and black pigment mixed in the proportion 1:2 (1 cement : 2 black pigment) and applying one coat of black board paint including 20mm thick cement plaster band 50mm wide in cement mortar 1:3 (1 cement :3 sand)</p>	3		
			Sqm	Sqm (one square metre)
29	<p>CODE No.19.10A.1.1 Providing and fixing stainless steel kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fitting and brackets, cutting and making good the walls wherever required -Kitchen sink with drain board -510 x 1040mm bowl depth 178mm.</p>	1		
			No	No. (one Number)
30	<p>CODE No.9.80 Providing and fixing M.S.round or square bars at required spacings in wooden frames of windows and clerestory windows.</p>	17		
			Kgs.	Kg. (one kilogram)
31	<p>CODE No.9.87</p>			

	<p>Providing 40x5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6 mix (1cement: 3 sand: 6 graded stone aggregate 20mm nominal size)</p>	42		No. (one number)
32	<p>CODE No.9.93.3 Providing and fixing M.S.pressed butt hinges bright finished with necessary screws etc. complete-75x47x1.70mm</p>	8	Nos.	No. (one number)
33	<p>CODE No.9.93.1 Providing and fixing M.S.pressed butt hinges bright finished with necessary screws etc. complete - 125x65x2.12mm</p>	18	Nos.	No. (one number)
34	<p>CODE No.9.100.2 Providing and fixing M.S.sliding door bolts bright finished or / and black enamelled, with nuts and screws etc. complete - 250x16mm.</p>	5	Nos.	

		Nos.	No. (one number)
35	CODE No.9.101.1.1 Providing and fixing M.S.tower bolts (barrel type) with necessary screws etc. complete bright satin finished black stove enamelled - 250 X 10 mm.	10	No. (one number)
36	CODE No.9.101.1.4 Providing and fixing M.S.tower bolts (barrel type) with necessary screws etc complete bright satin finished black stove enamelled 100 x10mm.	4	No. (one number)
37	CODE No.9.104.1	Nos.	

	Providing and fixing M.S.handles conforming to IS:208 with necessary screws etc.complete - 125mm	12	No. (one number)
		Nos.	
38	CODE No.9.105.5 Providing and fixing M.s.hooks and eyes conforming to IS.207 - 100mm	4	No. (one number)
		Nos.	
39	CODE No.9.229 Providing and fixing godrej novtal lock-65mm size.	4	No. (one number)
		Nos.	
40	CODE No.10.19 Providing and fixing M.S.fan clamp type -I of 16mm dia m.s. bar bent to shape with hooked ends in R.C.C slabs during laying including painting the exposed portion of loop, all as per standard design complete flooring	3	No. (one number)
		Nos.	

41	CODE No.11.4.2	Cement concrete flooring 1:2:4(1Cement:2Coarse sand :4graded stone aggregate) finished with a floating coat of neat cement including cement slurry. But excluding the cost of nosing of steps etc. complete 40mm thick with 20mm nominal size stone aggregate.	27	Sqm	(one square metre)
Sqm					
42	CODE NO. 13.16.2	20 mm cement plaster finished with a floating coat of neat cement of mix - 1:4 (1 cement : 4 fine sand).	2	Sqm	(one square metre)
Sqm					
43	CODE NO. 13.8.2	12mm cement plaster of mix-1:4 (1 cement ;4fine sand)	110		

				Sqm (one square metre)
44	CODE NO. 13.9.4 15mm cement plaster on the rough side of single or half wall of mix-1:6 (1cement : 6 fine sand)	110	Sqm	Sqm (one square metre)
45	CODE NO. 5.31.A Finishing the exposed surface of R.C.C work with 6mm thick cement mortar 1:3(1cement : 3 sand)	60	Sqm	Sqm (one square metre)
46	CODE NO. 13.36.6 Extra for providing and mixing water proofing material in proportion recommended by the manufacturers - 20mm cement plaster 1:4 (1cement:4 sand)	42	Sqm	Sqm (one square metre)
47	CODE NO. 13.72.1			

	White washing with whiting to give an even shade-new work (three or more coats)	30		Sqm (one square metre)
48	CODE NO. 13.73.2 Colour washing such as green, blue or buff to given an even shade - new work(two or more coats) with a base coat of whiting	220		Sqm (one square metre)
49	CODE NO. 13.81.1 Applying priming coat-with ready mixed pink or grey primer of approved brand and manufacture on steel galvanised iron/steel works.	35		Sqm (one square metre)
50	CODE NO. 13.82.2 Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new wood work (two or more coats)	35		Sqm (one square metre)

51	CODE NO. 13.81.3	Applying priming coat with ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/steel works.	2.00	Sqm (one square metre)
			Sqm	
52	CODE NO. 13.82.1	Painting with ready mixed paint of approved brand and manufacture in all shades to give an even shade - new steel work (two or more coats)	2.00	Sqm (one square metre)
			Sqm	
53	CODE NO. 19.14.2	Providing and fixing white vitereous china water closet squatting pan (Indian type) - Orissa pattern W.C. pan of size 580 x 440mm.	1	No. (one number)
			No.	
54	CODE NO. 19.48.1.1B			

Providing and fixing UPVC waste and vent pipe including jointing by rubber gasket with PVC lubricant with slipping to be filled up including cutting and making good the walls wherever necessary -75mm dia. Outer diameter(4kg/sq.cm)

2.40

Rmt

Rmt

(one running metre)

55

CODE NO. 19.47.1

Providing and fixing on wall/column face unplasticised - PVC(working pressure 4kg/sqcm) soil and waste pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion -single socketed pipes 110mm diameter.

5

Rmt

Rmt

				(one running metre)
56	CODE NO. 19.67.2.1A Providing and fixing PVC terminal guard (vent cowl) with necessary lubricant and slip ring fixing complete -75mm	1	No	(one number)
57	CODE NO. 21.6.5 Providing and laying non-pressure NP2 class (light duty) R.C.C pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2(1cement : 2fine sand) including testing of joints etc. complete -450 mm dia.	1.50	Rmt	(one running metre)
58	CODE NO. 21.40 Constructing soak pit 1.20 x 1.20 x 1.20m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20m long completed as per standard design.	1	No.	(one number)
59	CODE NO. 20.2.1.2		No.	

	Providing and fixing G.I.pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (internal work) exposed on walls -20mm nominal bore (1.58 kg/m)	12		
		Rmt		Rmt. (one running metre)
60	CODE NO. 20.7.2 Providing and fixing brass bib cock of approved quality - 20 mm nominal bore	3		
		Nos.		No. (one number)
61	CODE NO. 20.87.2 Providing and fixing G.I.union in G.I pipe including cutting and threading the pipe and making long screws etc. complete (new work). 20mm nominal bore.	1		
		No.		No. (one number)

SCHEDULE 'C'

Tools and plants to be hired to the contractor

Sl.No.	Description	Hire charges per day	Place of issue
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(1)

(2)

(3)

(4)

SCHEDULE 'D'

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

SCHEDULE 'E'

Schedule of component of materials, labour, etc. for escalation. ... NIL...

CLAUSE 10 CC

~~Component of materials –
expressed as per cent. of total value of work 'X'.....%~~

Clause 10 CC deleted and 10 CA introduced

~~Component of labour –
expressed as per cent. of total value of work 'Y'%~~

~~Component of P.O.L. –
expressed as per cent. of total value of work. 'Z'%~~

SCHEDULE 'F'

Reference to General Conditions of Contract.

Name of work : **Construction of Anganwadi Centre Buildings at K2 – Kalikuppam in Karaikal**

Estimated Cost of Work : **Rs.4,14,366/-**

Earnest Money : **Rs.8,287/-**

Performance Guarantee : 5% of the tendered value.

Security Deposit : 5 % of the tendered value.

GENERAL RULES & DIRECTIONS : Officer inviting tender The Executive Engineer,
Project Implementation Agency, Puducherry
Maximum percentage for quantity
of items of work to be executed

beyond which rates are to be determined
in accordance with Clauses 12.2 & 12.3.....%
(See below)

Definitions :

2 (v)	Engineer-in-charge	The Executive Engineer, Project Implementation Agency, Puducherry
2 (viii)	Accepting Authority	The Joint Project Director(Tech), Project Implementation Agency, Puducherry.
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	10%
2 (xi)	Standard Schedule of Rates	Puducherry Schedule of Rates of the year 2007-08 applicable to Puducherry Region.
2 (xii)	Department	Project Implementation Agency.
9 (ii)	Standard P.W.D. Contract corrected up to date.	Form 8 as modified and Form

Clause 1 (i) time allowed for submission of performance guarantee from the date of issue of letter of acceptance in days .15. days
(ii) maximum allowable extension beyond period as provided (i) above in days ..07 days

Clause 2

Authority for fixing compensation under clause 2	The Joint Project Director(Tech), Project Implementation Agency, Puducherry.
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Whether Clause 2A is applicable	Yes
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Clause 5

Para (i)	Time allowed for execution of work.	3 (three) Months Including Monsoon period.
Para (ii)	Authority to give fair and reasonable extension of time for completion of work.	The Joint Project Director(Tech), Puducherry

Clause 7

Gross work to be done together with net payment / adjustment of advances for	4,14,366/-
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material collected, if any, since the last such payment for being eligible to interim payment.

Clause 10cc Clause 10cc to be applicable in contracts 18 months
 into stipulated period of completion
 stipulated period of completion exceeding
 the period as shown in the next column

Clause 11

Specifications to be followed for execution C.P.W.D. specifications 1996, Vol-I & VI of 2002, of works.BIS,MOST, IRC & CPHEEO specifications and manuals (With correction slips and subsequent publications)

Clause 12

12.1.2 (iii) Schedule of rates for determining rates Puducherry Schedule of Rates for the 12.1.2(i) & (ii).
 year **2007-08** for additional, altered or substituted items that cannot be determined under applicable to Puducherry region.

12.1.2. (iv) Plus/Minus the % over the rate entered **30 % building works**
 in the schedule of rates.

12.1.2(v) A Deviation limit beyond which sub-clauses (i) to (v) shall not apply and Clauses 12.2 & 12.3 shall apply. **30% other than foundation for building works. 100% for foundation works**

12.1.2 (v) B (a) Limit for value of any item of any individual %
 trade beyond which sub-clauses (i) to (v) shall not apply and Clauses 12.2 and 12.3 shall apply.

12.2&12.3.Deviation limit beyond which clause12.2&12.3 shall apply for(i)building works - 30%

12.5 Deviation limit beyond which clause 12.2 and 12.3 shall apply for
 (i) for maintenance work , building work of time bound and emergency nature 50 %
 (ii) for foundation work 100 %

Clause 16 Competent Authority for deciding reduced rates. The Joint Project Director, PIA, Puducherry

Clause 36 (i) Minimum qualifications and experience

required for Principal Technical Representative.

(a) For works with estimated cost put to tender–

- | | |
|---|---|
| (i) Rs. 10 lakhs for civil works | Graduate or retired A.E. |
| (ii) Rs. 5 lakhs for Elec./Mech. works. | possessing at least recognized Diploma. |

(b) For works with estimated cost put to tender–

- | | |
|---|---------------------------|
| (i) more than Rs. 5 lakhs but less than Rs. 10 lakhs for civil works. | |
| (ii) more than Rs. 1 lakh but less than Rs. 5 lakhs for Elec./Mech. | Recognised Diploma holder |
| (c) Discipline to which the Principal Technical Representative should belong. | Civil / Elec. / Mech. |

(d) Minimum experience of works 5 Years

(e) Recovery to be effected from the contractor in the event of not filling provision of Clause 36 (i).
Rs. 4,000 p.m. for Graduate
Rs. 2,000 p.m. for Diploma holder

Clause 36 Contractors Superintendence, Supervision, Technical staff & Employees

(i) The contractor shall provide all necessary Superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract. The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to the Engineer-in-charge the name(s), qualifications, experience age, address(s) and other particulars alongwith certificates of the principal technical representative to be in charge of the work and other technical representative (s) who will be supervising the work. Minimum requirement of such technical representative and the qualifications and experience shall not be lower than the specified Schedule 'F'. The Engineer-in-charge shall within three days of receipt

of such communication intimate in writing his approval or otherwise of such representative(s) are otherwise such representative(s) to the contractor any such approval may at any time be withdrawn and in case of such withdrawal the contractor shall appoint another such

representative(s) according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative(s) and other technical representative(s) shall be appointed by the contractor soon after the receipt of the approval from Engineer-In-Charge and shall be available at site before start of work.

All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also present himself / themselves, as required, to the Engineer-in-charge and or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available at site fully during all stages of execution of work, during recording / checking / test checking of measurements of works and whenever so required by the Engineer-in-Charge and shall also note down instruction conveyed by the Engineer-in-charge or his designated representative(s) in the site order book and shall affix his / their signature in token of noting down in the instructions and in token of acceptance of measurements / checked measurements /test measurements. The representative(s) shall not look after any other work. Substitutes duly approved by Engineer-in-charge in similar manner as aforesaid shall be provided in the event of absence of any of the representative(s) by more than two days.

If the Engineer-in-charge whose decision in this respect is final and binding on the contractor is convinced that no such technical representative(s) is / are effectively appointment or is/are effectively attending are fulfilling of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Schedule 'F' and the decision of the Engineer-in-charge as recorded in the site order book and measurements recorded checked / test checked in Measurement books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable principal technical representative and / or other technical representative(s) and if such appointed persons are effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, the Engineer-in-charge shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is / are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) alongwith every on account bill / final bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

Modified provision Schedule:

"Requirement of Technical Representative(s) and Recovery Rate

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)	
						Figures	Words
1	Degree	Civil Engg.	Principal Technical	5 Years	1	Rs.15,000/p.m	Rupees fifteen thousand per month
2	Degree or Diploma	Civil Engg.	Technical representative	Nil or 5 Years		Rs.10,000/p.m	Rupees ten thousand per month

Clause 42

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

(a) Cement for works with estimated

3 % plus / minus

cost put to tender not more than Rs. 5 lakhs.

For works with estimated cost 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

Clause 47

During the course of contract period, deduction of 'CESS' to provide Social security and various welfare benefits through the Pondicherry Buildings and other construction

Worker's Board under section 18 of the building 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 Society.

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
(1)	(2)	(3)	(4)
1.	Cement		
2.	Steel reinforcement		
3.	Structural sections	Nil	
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price		

GENERAL CONDITIONS

(1) The work shall in general be carried out in accordance with CPWD specifications for works in Delhi 1996 Volume I to VI of 2002 with correction slips and issued from time to time. Revised CPWD specification 2002 for cement mortar, cement concrete and 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 Project Implementation Agency differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.

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

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

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

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

(9) Other agencies doing works related to this project may also simultaneously execute the works and the contractor shall co-ordinate and co-operate with them as found to be necessary at no extra cost.

(10) Any cement slurry or lime mortar or any combination thereof or water proofing material required for continuation from old work is demand to have been in built in the relevant items themselves and nothing extra shall be paid for the same.

(11) Unless otherwise specified in the schedule of quantities the rate for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which not extra payment will be made. This will include water encountered from any source as rains, flood, subsoil water table being high due to any other cause whatsoever.

EXECUTIVE ENGINEER
PROJECT IMPLEMENTATION AGENCY

CONDITIONS FOR ISSUE OF MATERIALS

The materials shall be issued at the place of delivery as mentioned in Schedule 'B'. If these are delivered at any other sites the differences due to cartage will be adjusted accordingly. The contractor shall have to cart at his cost the materials to the site for work as soon as these are issued. The materials shall be issued between the working hours and as per rules prevail 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 Project Implementation Agency.

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 Department Junior Engineer-in-charge of the work and that of the other lock with authorised agent of the contractor at the site of work so that the cement is removed from the godown accordingly to the daily requirements with the knowledge of both the parties.

The cement shall be stocked on proper floors consisting of two layer of dry bricks laid on well consolidated earth at a level of at least 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 all round. The bags would be placed horizontally continuous in each line as shown in the sketch at page 398 of C.P.W.D. specification 96 Vol I.

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 authorised agent.

MATERIALS OBTAINED FROM DISMANTLEMENT

I. The contractors, in course of their work, should understand that all materials (*e.g.* stone and other materials) obtained in the work of dismantling, excavation etc. will be considered Project Implementation Agency's property and issued to the contractor (if they require the same for their own use) at rates approved by Project Implementation Agency. If these materials are not required by them, they will be disposed off to the best advantage of Project Implementation Agency.

DELAY IN OBTAINING MATERIALS BY THE PROJECT IMPLEMENTATION AGENCY

II. Owing to difficulty in obtaining certain materials in the open market, the Project Implementation Agency have undertaken to supply materials specified in Schedule 'B' of the tender form at rates stated therein. There may be delay in obtaining the materials by the Project Implementation Agency 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 Project Implementation Agency on account of delay in supplying materials.

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

IV. The contractor shall have to deposit the approved paints of required colour and shade as per actual requirements of the work to be done with the Engineer-in-charge at the Project Implementation Agency's 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 PWD authorities whenever required at their own cost. The work shall be carried out according to the PWD Bye-laws and the contractor shall produce necessary certificate from PWD 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 Project Implementation Agency 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 through the Society.

INCONVENIENCE TO PUBLIC

VII. The contractor shall not deposit materials on any site which will seriously inconvenience to 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 Society after completion will be made good by the contractor at his own cost.

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

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

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

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

XIII. Where surplus earth of a suitable quality exists at the site of work, the contractor shall be allowed to use 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 Project Implementation Agency works, may be allowed by the Executive Engineer to be disposed of by the contractor on his own or to sell the surplus earth to private parties at his discretion, but nothing extra will be paid for carriage or disposal of the surplus earth, if the same is not required for Project Implementation Agency works.

Wherever fine sand has been mentioned in the schedule of quantities, it should be conforming to the grading Zone-IV 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 containing lead, in any form wherever men above the age of 18 are employed on the work of lead painting, the following principles must be observed for such use :

- (a) White lead sulphate or lead, of products containing these pigments shall not be in painting operation except in the form of paste or of paint ready for use.
- (b) 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 notified and shall be subsequently verified by a medical team appointed by the competent authority.
- (h) The Society may require when necessary, a medical examination of workers.
- (i) Instructions with regard to the special hygienic precautions to be taken in the painting trade shall be distributed to working painter.

The standard sectional weights referred to as standard tables in para 5.33.3. in specifications for work 1977 Vol-I of 2002 to be considered for conversion of length of various sizes of M.S. bars and tor steel bars into weight are as under :-

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

Issue of steel diameter above 10 mm will be regulated on sectional weight basis, weight being calculated with the help of the above tables. However, for bars M.S./Tor steel up to and including 10 mm 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-efficients given above and the contractor's account will be debited by the cost of this modified quantity only. The discretion of the Engineer-in-charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for this purpose.

ADDITIONAL CONDITIONS

1. The rate for all items of work shall unless clearly specified otherwise include 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 complete nomenclature of the relevant items in the agreement and other relevant specifications.

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

3. For all doors and windows, whether factory made or otherwise, cleats and rubber buffers 30 mm 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 of IS : 1868-1968 together with reference to IS : 5523-1969.

7. Where hydrated lime is available, this can be used on the works and the places where hydrated lime is not available, lime concrete will be prepared 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 statutes. However, pursuant to the Constitution (46th Amendment) Act, 1982, if any further tax or levy is imposed by the statute, after the date of receipt of tenders, and the contractor thereupon necessarily and properly pays such taxes/levies, the contractor shall be reimbursed the amount so paid provided such payment, if any, is not, in the opinion of the Engineer-in-charge (Whose decision shall be final and binding) attributable to delay in execution of work within the control of the contractor.

(b) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of Project Implementation Agency and further shall furnish such other information / document as the Engineer-in-charge may require.

a). Material	75%
b). Labour	25%
c). P.O.L	NIL
	100%

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

9. Stipulated materials shall be issued for use at site of work for all the item 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 in such a way that the normal functioning of the premises is not disturbed.

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

12. The item of Antitermite treatment shall be executed through as specialised firms.

CONDITIONS FOR STEEL :

13. The contractor shall make his own arrangements to provide the steel Thermo Mechanical Treated (TMT) required for the work from SAIL/IISCO/TISCO/VISAC 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 cement of ordinary Portland Cement (OPC) having ISI mark and stores it in the site godown as per the guidelines specified in the CPWD specification 1996 Vol-II under double lock system. The paid voucher of the cement procured shall be produced to the Engineer-in-charge. The cement procured shall be got tested before use.

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

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

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

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

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

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

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

ADDITIONAL CONDITIONS - II

ADOPTION OF PSR ABBREVIATED NOMENCLATURE - 2002

As per Chief Engineer P.W.D.'s Circular No. 378/PW/EE(D)/AE(C)/F. No. 286/2002-03 dated 30-10-2002 the Pondicherry Schedule of Rates Abbreviated Nomenclature 2002 for buildings and road works shall be adopted in the recording of measurements and preparation of running account bills, etc., wherever applicable as per CPWD Manual Vol. II, Para 7.14.1 to 7.14.6.

Particular Specifications

1. The work executed shall be measured as per metric dimensions given in the schedule of quantities.

The FPS units wherever indicated in the drawings are for guidance only.

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

3. The work shall be executed as per the C.P.W.D. specifications 1977 Vol.I and Vol.II (with correction slips and subsequent publications). In case of discrepancies between the specifications of a particular item as indicated in the C.P.W.D. specifications mentioned above and as indicated in the nomenclature of the item the latter shall prevail.

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

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 material shall conform to the provisions of C.P.W.D. / MOST / IRC / CPHEEO specifications or the ISI code (in the absence of C.P.W.D. specifications or other specification mentioned above for any particular material). In the case of all materials, tests shall be conducted to ensure that they conform to the specifications of codes mentioned above.

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

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

12. The architectural drawing nos. based on which the work is to be executed are available with the Engineer-in-charge and can be inspected by the prospective tenderers up to the date of receipt of tenders at his office during working hours. Use and testing of all the manufactured materials used in the work shall be regulated as per correction slip No. 42 of C.P.W.D. specifications 1996 Vol.-I.

13. Before receiving final payment for the work, contractor shall give an undertaking to the effect that at his own cost, he will rectify the defects in walls, roof like leakage, cracks etc. which may come to light during the first monsoon after the completion of 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-leachable type preservative by vacuum pressure method as per B.I.S. 401 - 1982.

FACTORY MADE PANELLED SHUTTERS FOR DOORS

14. The shutters shall be fabricated generally as per I.S. 1003 (Part I) 1977 and as per Architect's drawings. The timber to be used shall be of first class wood of species mentioned in the particular item which shall be kiln seasoned and preservative treated. The panels shall be as specified in the item number. Samples of shutters shall be got tested as per I.S. 1003 (Part I) - 1977. 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 per cent.)

16. Shahabad stone slabs, marble slabs etc. on treads and risers of steps and shelves shall be in single pieces.

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

17. The specification in respect of laying and jointing rigid P.V.C. threaded pipes both internal and external shall be as per para 19.7.1 to 19.7.7 and 19.9.1 to 19.9.2 of C.P.W.D. specification 1996 Vol.II. 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 facias are monolithic the portion of RCC are to be measured as per the sketch attached in page No.

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

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

20. The weight of stays given in para 9.23.20 of C.P.W.D. specification 1996, Volume I shall be for cast brass stays only.

The weight of mild steel and Anodized aluminium stays shall be as follows :—

Casement stays (Straight peg type)	Mild steel with tolerance of plus or minus %	Anodized aluminium with tolerance of plus or minus %
(a) 300mm long	0.13 kg./each	0.06 kg./each
(b) 250mm long	0.10 kg./each	0.05 kg./each
(c) 200mm long	—	0.04 kg./each
The casement window fasteners		0.155kg/each

**FORM OF PERFORMANCE SECURITY
BANK GUARANTEE BOND**

In consideration of the Project Implementation Agency (hereinafter called "The P I A") having agreed under the terms and conditions of agreement No.dated made between and (hereinafter called "The said contractor(s)" for the work (hereinafter called the "said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs. (Rupees only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement. We (hereinafter referred to as "the Bank") hereby (indicate the name of the Bank) undertake to pay to the P r o j e c t I m p l e m e n t a t i o n A g e n c y an amount not exceeding Rs. (Rupees only) on demand by the Society.

2. We..... do hereby undertake to pay the amounts due (indicate the name of Bank) and payable under this guarantee without any demur, merely on a demand from the Project Implementation Agency 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 Project Implementation Agency any money so demanded not withstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payments so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We..... further agree that the guarantee herein (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 Project Implementation Agency under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the Project Director

on behalf of the Project Implementation Agency 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 Project Implementation

Agency that

(indicate the name of the bank)

the Project Implementation Agency shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Project Implementation Agency against the said contractor(s) and to for-bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any bearance act or omission on the part of the Project Implementation Agency or any indulgence by the Project Implementation Agency 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 relieving us.

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

7. We..... lastly undertake not to revoke this guarantee except

(indicate the name of the Bank)

with the previous consent of the Society in writing.

8. This guarantee shall be valid up to.....unless extended on demand by the Project Implementation Agency. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupees.....only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the.....day of

AFFIDAVIT

(To be taken by the contractor on a non-judicial stamp paper before a First Class Magistrate)

I/We have submitted Bank Guarantee for the work.....(name of work)
in letter No.dated.....from.....
(name of bank) to the Executive Engineer, Project Implementation Agency towards performance guarantee
of security deposit in cash. This Bank Guarantee expires on I/we undertake
to keep the validity of the Bank Guarantee in tact by getting it extended from time to time at my/our own
initiative up to a period of.....months after the recorded date of completion of
the work or as directed by the Engineer-in-charge.

I / We also indemnify the Project Implementation Agency against any losses arising out of
encashment of the Bank Guarantee, if any.

Note : This Affidavit is to be given by the executant before a First Class Magistrate.

MODIFIED GENERAL CONDITIONS OF CONTRACT CLAUSES

CLAUSE – 1 : PERFORMANCE GUARANTEE

i) The contractor shall submit an irrevocable PERFORMANCE GUARANTEE of 5% (Five per cent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and/or without prejudice to any other provisions in the contract) within 15 days of issue of letter of intent. This period can be further extended by the Engineer-in-charge upto a maximum period of 7 days on written request of the contractor stating the reason for delays in procuring the Bank Guarantee, to the satisfaction of the Engineer-in-charge. This Guarantee shall be in the form of Government securities or fixed receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government is part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

ii) A letter of intent shall be issued in the first instance informing the successful tenderer of the decision of the competent authority to accept his tender and the award letter shall be issued only after the Performance Guarantee in any of the prescribed form is received. In case of failure by the contractor to furnish the Performance Guarantee within the specified period, Government shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money absolutely.

iii) The Performance Guarantee shall be initially valid upto stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the Performance Guarantee shall be returned to the contractor without any interest.

iv) The Executive Engineer shall not make a claim under the Performance Guarantee except for amounts to which the Project Implementation Agency, is entitled under the contract (notwithstanding and/or without prejudice to any other provisions in the contract agreement) in the event of :-

(a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Dean may claim the full amount of the Performance Guarantee.

(b) Failure by the contractor to pay Project Implementation Agency, any amount due, either as agreed by the contractor or determined under any of the clauses/conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-charge.

v) In the event of the contract being determined or rescinded under provisions of any of the clause/condition of the agreement, the Performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Project Implementation Agency.

CLAUSE - 1A : RECOVERY OF SECURITY DEPOSIT

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

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

Note-1 Government papers tendered, as security will be taken at 5% (five per cent) below its market price or at its face value, whichever is less. The market price of Government paper would be ascertained by

the Divisional Officer at the time of collection of interest and the amount of interest to the extent of deficiency in value of the Government paper will be with held if necessary.

Note– 2 Government securities will include all forms of securities mentioned in Rule No. 274 of the G.F. rules except fidelity bond. This will be subject to the observance of the condition mentioned under the rule against each form of security.

Note – 3 Note 1 and 2 above shall be applicable for both Clause 1 & 1A.

CLAUSE – 2 : COMPENSATION FOR DELAY

If the contractors fails to maintain the required progress in terms of Clause 5 or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Project Implementation Agency on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Joint Project Director (Tecnical)(whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/month (as applicable) that the progress remains below that specified in Clause 5 or that the work remains incomplete.

This will also apply to items of group of items for which a separate period of completion has been specified.

Compensation : @ 1.5% per month

For delay of work of delay to be computed on per day basis.

Provided always that the total amount of compensation for dealy to be paid under this condition shall not exceed 10% of the tendered value of the work or to the tendered value of the item or group of items of work for which a separate period of completion is originally given.

The amount of compensation may be adjusted or set-off against any sum payable to the contractor under this or any other contract with the Project Implementation Agency. In case, the contractor does not achieve a particular milestone mentioned in Schedule F, or the rescheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be with-held, to be adjusted against the final grant of extension of time, to be decided on completion of work. With-holding of this amount on failure to achieve a milestone shall be automatic without an notice to the contractor. However, if the contractor catches up with the progress, work on the subsequent milestone(s) the with-held amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s) amount mentioned against each milestone missed subsequently also shall be with-held. However, no interest, whatsoever, shall be payable on such with-held amount.

CLAUSE-2A:

In case, the contractor completes the work ahead of scheduled completion time, a bonous @ 1% (one per cent) of the tendered value per month computed on per day basis, shall be payable to the contractor, subject to a maximum limit of 5% (five per cent) of the tendered value. The amount of bonus, if payable, shall be paid along with final bill after completion of work.

CLAUE -3: WHEN CONTRACT TO BE DETERMINED

If the work is not started by the contractor within 1/8th of the stipulated time.

When the contractor has made himself liable for action under any of the case aforesaid the Engineer-in-charge on behalf of the Project Implmentation Agency, Puducherry shall have powers:

(a) To determine of rescin the contract as aforesaid (of which termination of recission notice in writing to the contractor under the hand of Engineer-in-charge shall be conclusive evidence). Upon such determination or rescission, the earnest money deposit already recovered and performance guarantee under the contract shall be liable to be fortiefied and shall be absolutely at the disposal of the Government.

(b) Deleted.

(c) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof as shall be un-executived out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined of rescinded as above, shall not be allowed to participate in the tendering progress for the balance work.

In the event of above course(s) being adopted by the Engineer-in-charge, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchases or produced any materials or entered into any engagments or made any advances on account of with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the Engineer-in-charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

CLAUSE - 3A :

In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work, either party may close the contract. In such eventuality, the Earnest Money Deposit and the Performance Guarantee of the contractor shall be refunded, but no payment on account of interest, loss of profit or damages etc, shall be payable at all.

CLAUSE - 5 : TIME AND EXTENSION FOR DELAY

The time allowed for execution of the works as specified in the Schedule "F" or the extended time in accordance with these conditions shall be the essence of the contract. The execution of the work shall commence from the 15th day or such time period as mentioned in letter of award after the date on which the Engineer-in-charge issues written orders to commence the work from the date of handing over of the site whichever is later. If the contractor commits default in commencing the execution of the work as aforesaid, Project Implementation Agency shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the earnest money and performance guarantee absolutely.

5.1. As soon as possible after the contract is concluded the contractor shall submit a time and progress chart for each milestone and get it approved by the Project Implementation Agency. The chart shall be prepared in direct relation to the time stated in the contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-charge and the contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme have been agreed upon) complete the work as per milestones given in Schedule "F".

5.3. Request for rescheduling of milestones and extension of time, to be eligible for consideration, shall be made by the contractor in writing within fourteen days of the happening of the event causing delay on the prescribed form. The contractor may also, if practicable, indicate in such a request the period for which extension is desired.

5.4. In any such case the authority mentioned in Schedule "F" may give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension shall be communicated to the contractor by the Engineer-in-charge in writing, within 3 months of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-charge and this shall be binding on the contractor.

CLAUSE - 10B : ii) MOBILISATION ADVANCE

Mobilisation advance not exceeding 10% of tendered value or Rs.1.00 crore which ever is less may be given, if requested by the contractor in writing within one month of the order to commence the work. In such a case the contractor shall execute a Bank Guarantee Bond from a Scheduled Nationalised Bank as specified by the Engineer-in-charge for the full amount of such advance is released. Such advance shall be in two or more instalments to be determined by the Engineer-in-charge at his absolute discretion. The first instalments of such advance shall be released by the Engineer-in-charge to the contractor on a request made by the contractor to the Engineer-in-charge in this behalf. The second and subsequent instalments shall be released by the Engineer-in-charge only after the contractor furnishes a proof of the satisfactory utilization of the earlier instalment to the entire satisfaction of the Engineer-in-charge. A simple interest of 10% should be levied in this advance made.

Mobilisation advance shall be admissible only for works where estimated cost put to tender is rupees two crores and above.

CLAUSE - 10B : iii) Para-1 - Plant machinery shuttering advance

An advance for plant and machine required the work and brought to site by the contractor may be given if requested by contractor in writing within month of bringing such plant machinery to site. Such advance shall be given on such plant machinery, which in the opinion of the Engineer-in-charge will add to the expeditious of work and improve the quality of work.

The amount of advance shall restricted to 5% of tendered value in the case of new plant equipment to be purchase for work the advance shall restricted to 90% of the price such new plant and equipment paid by the contractor for which the contractor shall produce evidence satisfactory to Engineer-in-charge. In the case second hand and used plants and equipment, the amount of advance shall be limited to 50% the depreciated value of plant and equipment as may be decided by the Engineer-in-charge. Contractor shall, if so required the Engineer-in-charge, submit the statement of value of such plant and equipment duly approved by a Registered value recognized by the Central Board Direct Taxes under the Board Direct Taxes under the Income Tax Act, 1961. No such advance shall be paid on any plant and equipment of perishable nature as and on any plant and equipment a value less than Rs. 50,000 seventy-five per cent of amount of advance shall be paid after the plant and equipment is brought to site and balance twenty-five per cent on successfully commissioning the same.

Leasing of equipments shall be considered at par with purchase of equipment and shall be covered by tripartite agreement with the following :

- (1) Leasing company, which gives certificate of agreeing to lease equipment to the contractor;
- (2) Engineer-in-charge; and
- (3) The contractor.

CLAUSE - 10C : PAYMENT ON ACCOUNT OF INCREASE IN PRICES/WAGES DUE TO STATUTORY ORDER(S)

If after submission of the tender the price of any material incorporated in the works (not being a material supplied from the Engineer-in-charge's store in accordance with Clause 10 thereof) and/or wages of labour increases as a direct result of the coming into force of any fresh law, or statutory rule or order (but not due to any changes in sales tax) and such increase in the price and/or wages prevailing at the time of the last stipulated date of receipt of the tenders including extensions if any for the work and the contractor thereupon necessarily and properly pays in respect of that material (incorporated in works) such increased price and/or in respect of labour engaged on the execution of the work such increased wages, then the amount of the contract shall accordingly be varied and provided further that any such increase shall not be payable if such increase has become operative after the stipulated date of completion of the work in question.

If after submission of the tender, the price of any material incorporated in the works (not being a material supplied from the Engineer-in-charge's stores in accordance with Clause-10 thereof) and/or wages of labour is decreased as a direct result of the coming into force of any fresh law of statutory rules or order (but not due to any changes in sales tax) and such decrease in the prices and/or wages prevailing at the time of receipt of the tender for the work. Project Implementation Agency shall in respect of materials incorporated in the work (not being materials supplied from the Engineer-in-charge's stores in accordance with Clause 10

thereof) and/or labour engaged on the execution of the work after the date of coming into force of such law statutory rule or order be entitled to deduct from the dues of the contractor such amount as shall be equivalent to the difference between the prices of the materials and/or wages as prevailed at the time of the last stipulated date for receipt of tenders including extensions if any for the work and the prices of materials and/or wages of labour on the coming into force of such law, statutory rule or order.

The contractor shall for the purpose of this condition, keep such books of account and other documents as are necessary to show the amount of any increase claimed or reduction available and shall allow inspection of the same by a duly authorized representative of the Society, and further shall, at the request of the Engineer-in-charge may require any documents so kept and such other information as the Engineer-in-charge may require.

The contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such materials and/or wages of labour, give notice thereof to the Engineer-in-charge stating that the same is given pursuant to this condition together with all information relating thereto which he may be in position to supply.

CLAUSE - 10CC : PAYMENT DUE TO INCREASE/DECREASE IN PRICES/WAGES AFTER RECEIPT OF TENDER FOR WORKS (TIME PERIOD MORE THAN 18 MONTHS)

If the prices of materials (not being materials supplied or services rendered at fixed prices by the Society in accordance with Clauses 10 & 34 thereof) and/or wages of labour required for execution of the work increase, the contractor shall be compensated for such increase as per provisions detailed below and the amount of the contract shall accordingly be varied, subject to the condition that such compensation for escalation in prices shall be available only for the work done during the stipulated period of the contract. No escalation shall be paid for work executed in extended contract period even if extension of time is granted without any action under Clause 2 and also no such compensation shall be payable for a work for which the stipulated period of completion is equal to or less than the time stipulated in Schedule 'F'. Such compensation for escalation in the prices of the materials and labour, when due, shall be worked out based on the following provisions :

All India whole price index for civil component / electrical component construction material as worked out on the basis of All India Whole Sale Price Index for individual commodities group items for the period under consideration as published by the Economic Advisor to Government of India, Minister of Industry and Commerce and applying weightage to the individual commodities / group item.

MIO

All India whole price index for civil component / electrical component construction material as worked out on the basis of All India Whole Sale Price Index for individual commodities group items valid on the last stipulated date of receipt of tender including extension as published by the Economic Advisor to Government of India, Minister of Industry and Commerce and applying weightage to the individual commodities / group item.

Clause 12 page 31 Para 12.1.1 - Now renumbered as 12.1

Clause 12 page 31, 32, 33 Para 12.12 Deleted.

Clause 12 page 32, 33 Deviation, Extra items and pricing Amended/Now introduced.

In the case of extra item(s) the contractor may within 15 days of receipt of order or occurrence of the item(s) claim rates. Supported by proper analysis for the work and the Engineer-in-charge shall within one month of the receipt of the claims supported by analysis after giving consideration to the analysis of rates submitted by the contractor determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined. Clause 12.2 page 32, 33 Deviation, Substituted items, pricing - Amended/Now introduced.

In the case of substituted items the rate for the agreement item (to be substituted) and substituted items shall also be determined in the manner as mentioned in the aforesaid para.

(a) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted) the rate payable to the contractor for the substituted item shall be rate of the agreement item (to be substituted) so increased to the extent of the difference between market rates of substituted item and agreement item (to be substituted).

(b) If the market rate for the substituted item so determined is less than market rate of the agreement item to be substituted the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

CLAUSE - 12.2 : PAGE 32, 33 DEVIATION, DEVIATED QUANTITIES PRICING AMENDED/NOW INTRODUCED

In the case of contract items substituted items, contract-*cum*-substituted items which exceed the limits laid down Schedule F, the contractor may within 15 days of receipt of order

or occurrence of the excess claim revision of the rates supported by proper analysis for the work in excess of the above-mentioned limits provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities the Engineer-in-charge shall within one month of receipt of the claims supported by analysis after giving consideration to the analysis of the rate substituted by the contractor determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

CLAUSE - 12.3 : PAGE 33 AMENDED / NOW INTRODUCED

The provisions of the proceeding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down Schedule F, and the Engineer-in-charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within 15 days of receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of 15 days having regard to the market rates.

CLAUSE - 12.5 :AMENDED / NOW INTRODUCED

For the purpose of operation of Schedule F the following works shall be treated as works relating to foundation.

CLAUSE - 17 : Enhanced Maintenance period

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road curb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within six months (3 months in the case of any work other than road work costing Rs.1,00,000 and below) after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit except for the portion pertaining to asphaltic work which is governed by sub-para (iii) of / clause 35

or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the contractor except the portion pertaining to asphaltic work which is governed by sub-para (iii) of clause 35 shall not be refunded before the expiry of six months (three months in the case of any work other than road work costing Rs. 1,00,000 and below) after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later. Provided that in the case of road work if in the opinion of the Engineer-in-Charge, half of the security deposit is sufficient, to meet all liabilities of the contractor under this contract, half of the security deposit will be refundable after three months and the remaining half after six months of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later.

CLAUSE - 21 : WORK NOT TO BE SUBLET ACTION IN CASE OF INSOLVENCY

The contract shall not be assign or sublet without the written approval of the Engineer-in-charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given premised or offered by the contractor, or any of his servants or agent to any public officer or person in the employ of Government in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-charge on behalf of the Project Implementation Agency shall have power to adopt the course specified in Clause 3 hereof in the interest of Project Implementation Agency and in the event course being adopted the consequence specified in the said Clause 3 shall ensure.

CLAUSE - 42 : SCHEDULE 'F' RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION AMENDED/NOW INTRODUCED

Rates in figure and words at which recovers shall be made from contractor, Rate in Schedule "B" plus 10% in case materials issued by Project Implementation Agency.

Excess beyond permissible

Less use beyond the permissible

Variation

Variation

CLAUSE - Nil : PAGE 6 3rd para

We agree to keep the tender open for sixty (60) days from the date of submission thereof and not make any modifications in its terms and conditions.

Page 6, Para 3 deleted.

Page 7, Para 2, line 3.

Of tender and performance guarantee shall be absolutely forfeited to the Project Director and the same may at the Schedule 'F' page 93.

- | | |
|----------------------------|-----------------------|
| (i) Earnest Money | : Rs.8,287/- |
| (ii) Performance Guarantee | :5% of tendered value |
| (iii) Security Deposit | :5% of tendered value |

Schedule "B" plus 10% in case materials issued by Project Implementation Agency.

Excess beyond permissible	Less use beyond the permissible
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Variation	Variation
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CLAUSE - 47: During the course of contract period, deduction of "CESS to provide Social Security and various welfare benefits through the Pondicherry Buildings and other Construction Worker's Welfare Board under section 18 of the Building 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 Society".

MILESTONE(S)**As per Table given below.****TABLE OF MILESTONE(S)**

Sl.No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestone
(1)	(2)	(3)	(4)
1.			
2.			

(OR)

Sl.No.	Financial Progress	Time allowed (from date of start)	Amount to be with-held in case of non-achievement of milestone
(1)	(2)	(3)	(4)
1.	1/8th (of the whole work)	1/4th (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments 1% of the
2.	3/8th (-do-)	1/2 (-do-)	
3.	3/4th (-do-)	3/4th (-do-) tendered value of work	
4.	Full	Full	will be with-held for failure of each milestone.

Payment due to increase/decrease in prices of cement and steel reinforcement bars / BITUMEN after receipt tender

CLAUSE 10 CA

1) If after submission of the tender, the price of cement and/or steel reinforcement bars/ BITUMEN incorporated in the works (not being a material supplied from the Engineer-in-charge's stores in accordance with Clause 10 thereof) increase and such increase in the price prevailing at the time of the last stipulated date for receipt of tenders including extension, if any for the work, then the amount of the contract shall accordingly be varied and provided further that any such increase shall not be payable if such increase has become operative after the stipulated date of completion of work in question.

2) If after submission of the tender, the prices of cement and/or steel reinforcement bars/BITUMEN incorporated in the works (not being a material stipulated from the Engineer-in-Charge's stores in accordance with the Clause 10 thereof) is decreased, Government shall in respect of these materials incorporated in the works (not being materials supplied from the Engineer-in-Charge's stores in accordance with Clause 10 thereof) be entitled to deduct from the dues of the contractor such amount as shall be equivalent to the difference between the prices of cement and/or steel reinforcement bars as prevailed at the time of last stipulated date for receipt of tenders including extensions if any for the work and the prices of these materials on the coming into force of such base price of cement and /or steel reinforcement bars issued under authority of the Chief Engineer, Puducherry.

3) If the tender has been compared with current market rate in case of Cement and Steel (bars and rods) / BITUMEN considering the hike of the said material cost, which is found more than the basic rates based on which the estimate was technically sanctioned, then as said in para 1) this Clause is applicable from the date of award of work in lieu of the last stipulated date for receipt of tender including extensions in opening of tenders if any and the value of basic price/basic cost to be considered to work out the escalation will be as mentioned below.

4) The increase/decrease in prices shall be determined by the communicated by the Chief Engineer, PWD, Puducherry for Cement and Steel (bars and rods) / BITUMEN and base price for cement and/or steel reinforcement bars / BITUMEN as issued under the Chief Engineer, Puducherry as valid on the last stipulated date of receipt of tender, including extension if any and for the period under consideration.

5) The amount of the contract shall accordingly be varied for cement and/or steel reinforcement bars / BITUMEN and will be worked out as per formula given below:

a) Adjustment for component of 'Cement'

$$V_c = P_c X Q_c X C_i - C_{i0} \dots\dots\dots$$

C_{i0}

Where,

V_c , Variation in cement cost, i.e. increase or decrease in the amount in rupees to be paid or recovered.

Pc : Basic price of cement as mentioned in the PSR based on which estimate was technically sanctioned and valid at the time of last stipulated date of receipt of tender including extensions in opening of tender if any (or) basic rate of cement considered for working out the justified amount to compare the tender for current market / schedule of rate as the case may be.

Qc : Quantity of cement used in the works since previous bill.

Cio : Cost index of cement at the time of stipulated dated of receipt of tender or the proportionate cost index based on cement price which was considered int he justified amount. The basic cost index shall be 100 as on September 2004 during which the cement price is Rs.3,000/- per MT.

Ci: Cost index of cement for the period under consideration as approved by the Chief Engineer, PWD, Puducherry with reference tot he basic cost index as on September 2004

(b) Adjustment for component of 'Steel'.

$$V_s = P_s X Q_s X \frac{S_i - S_{io}}{S_{io}}$$

Where,

Vs : Variation in cost of steel reinforcement bars, increase or decrease in the amount in rupees to be paid or recovered.

Ps : Basic price of steel reinforcement bars as mentioned in the PSR based on which estimate was technically sanctioned and valid at the time of last stipulated date of receipt of tender including extensions in opening of tender if any (or) basic rate of steel reinforcement bars considered for working out the justified amount to compare the tender for current market / schedule of rate as the case may be.

Qs : Quantity of steel paid by way of secure advance or used in work since previous bill, (whichever is earlier)

Sio : Cost index of steel reinforcement bars at the time of stipulated dated of receipt of tender or the proportionate cost index based on steel reinforcement bars price which was considered int he justified amount. The basic cost index shall be 100 as on September 2004 during which the steel reinforcement price is Rs.18.00/- per Kg.

Si: Cost index of steel reinforcement bars for the period under consideration as approved by the Chief Engineer, PWD, Puducherry with reference tot he basic cost index as on September 2004.

(c) Adjustment for component of 'BITUMEN'.

$$V_b = P_b X Q_b X \frac{B_i - B_{io}}{B_{io}}$$

Where,

V_b: Variation in cost of bitumen (i.e) increase or decrease in the amount in rupees to be paid or recovered.

- P_b : Basic price of bitumen as mentioned in the PSR based on which estimate was technically sanctioned and valid at the time of last stipulated date of receipt of tender including extensions in opening of tender if any (or) basic rate of steel reinforcement bars considered for working out the justified amount to compare the tender for current market / schedule of rate as the case may be.
- Q_b : Quantity of bitumen paid by way of secured advance or used in work since previous bill, (whichever is earlier)
- Bio : Cost index of bitumen at the time of stipulated dated of receipt of tender (or) the proportionate cost index based on steel reinforcement bars price which was considered int he justified amount. The basic cost index shall be 100 as on September 2004 during which bitumen grade 80/100 price is Rs.11,297/- per MT and for bitumen grade 60/70 price is Rs.13,450/- per MT.
- Bi: Cost index of bitumenfor the period under consideration as approved by the Chief Engineer, PWD, Puducherry with reference tot he basic cost index as on September 2004.