



Central Public Works Department
NIT No.75/2018-19/CCD-I/Chennai



Name of work: **Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai.**

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Certified that the NIT contains **66** pages only

Assistant Engineer (P)
CCD I, CPWD, Chennai

Executive Engineer
CCD I, CPWD, Chennai

I - Nil O - Nil C - Nil

**PRESS NOTICE
NOTICE INVITING e- TENDERS**

The Executive Engineer, Chennai Central Division –I, CPWD, Chennai invites on behalf of President of India, online Percentage Rate tenders from the approved and eligible Contractors of the Central PWD for following work:-

NIT No. 75/2018-19/CCD-I/Chennai

Name of work : Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .

Period of Completion : **2 (Two) Months**

Last time and date of submission of Bid up to 15:00 hrs on **14.12.2018**

The Tender forms and other details can be obtained from the Web Site www.tenderwizard.com/CPWD or www.cpwd.gov.in

**Executive Engineer,
CCD I, CPWD, Chennai .**

I - Nil O - Nil C - Nil

AE(P) / EE

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR
e- TENDERING FORMING PART OF BIT DOCUMENT AND TO BE POSTED ON WEBSITE
(Application for inviting open Bids)**

The Executive Engineer, Chennai Central Division I, Central P.W.D., Chennai invites on behalf of President of India, Online Percentage Rate tender from the approved and eligible Contractors of the Central PWD for the work mentioned below.

Sl. no	NIT No	Name of work & Location	Period of completion	Last date and time of submission of bid on line	Period during which certified copies of scanned and uploaded documents shall be submitted.	Time and date of opening of bid
1	2	3	6	7	8	9
1	75/2018-19/CCD-I/ Chennai	Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .	2 (Two) Months	Up to 15.00 Hrs on 14.12.2018	Up to 15.00 hrs on 14.12.2018 (The Original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. Scanned copy of the <u>EMD</u> and the <u>receipt</u> shall be uploaded along with the bid)	15:30 hrs on 14.12.2018

I - Nil O - Nil C - Nil

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1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on website shall form part of bid documents.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.tenderwizard.com/CPWD or cpwd.gov.in or from www.eprocure.gov.in free of cost.
4. The contractor can deposit original EMD either in the office of the Executive Engineer inviting bids or division office of any Executive Engineer, CPWD, within the period of bid submission. (The EMD documents shall only be issued from the place from which the office of receiving division office is situated). The contractor shall obtain the receipt of EMD from the concerned Executive Engineer in the prescribed format uploaded by NIT issuing Executive Engineer. The bid document as uploaded can be viewed and downloaded free of cost by anyone including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay Order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of Original EMD to division office of any Executive Engineer, CPWD and other documents as specified.
5. But the bid can only be submitted after deposition of Original EMD either in the Office of the Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD documents shall only be issued from the place from which the office of receiving division office is situated) and uploading the mandatory scanned documents such as Demand Draft or Pay Order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of Original EMD to division office of any Executive Engineer, CPWD and other documents as specified.
6. Those Contractors not registered on the Website mentioned above are required to get registered beforehand.
7. The intending bidder must have valid class – III digital signature to submit the bid.
8. On opening date, the contractor can login and see the bid opening process, After opening of bids he will receive the competitor bid sheets.
9. Contractor can upload documents on the form of JPG format and PDF format.
10. If a tenderer does not quote any percentage above / below / At par on the total amount of the tender or any section / subhead in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

I - Nil O - Nil C - Nil

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11. CGST@1%, SGST@1% & Labour Cess 1% etc., as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes including GST. **Any recovery towards GST is notified by the competent authority, the same shall be effected and no claim what so ever shall be entertained by CPWD. The contractor shall quote his rates accordingly.**
12. SC/ST contractors enlisted under class V category are exempted from processing fee payable to ITI.
13. GST @ 2% to be recovered in each running/final bill.

PRESCRIBED FORMAT OF RECEIPT OF DEPOSITION OF ORIGINAL EMD

Receipt of deposition of original EMD (Receipt No -----/ Date)

- 1 **Name of Work: Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .**
- 2 **.NIT No : 75/2018-19/CCD-I/Chennai**
3. **Last Date of Submission of bid : - 14-12-2018**

PRESCRIBED FORMAT TO BE FILLED BY EMD RECEIVING EE

1. Name of Contractor :
2. Form Of EMD :
3. Amount of EMD :
4. Date of Submission of EMD :

Signature of : Name and Designation of EMD Receiving officer

I - Nil O - Nil C - Nil

AE(P) /EE

List of Documents to be submitted by the tenderers in various forms to be scanned and uploaded in JPG format or PDF format within the period of Tender submission

1. Treasury challan /Demand draft/Pay order or Banker's Cheque/ Deposit at Call Receipt/ /Fixed Deposit Receipt of a Scheduled Bank/ Bank Guarantee of any Scheduled Bank against EMD
2. Copy of receipt of deposition of original EMD
3. **Certificate of Registration for Goods & Service Tax(GST) and acknowledgement with upto date filed return i.e for October-2018, to be uploaded). *If the bidder has not obtained GST Registration in the state in which the work is to be taken up, then in such a case the bidder shall upload following undertaking with the bid document "If work is awarded to me, I/we shall obtain GST Registration certificate within one month from the date of receipt of award letter or before payment of 1st R.A. Bill". However the GST Registration Certificate and Acknowledgement of up to date filed return of GST up to October 2018 or there after is Mandatory***
4. CPWD Registration Certificate of the Contractor .
5. *Notarized Affidavit of 'Non-black listing' by CPWD/State/Central departments/PSU/Autonomous bodies as per Form "J" (Not older than the date of Notice inviting tender) i.e., 06.12.2018*

(B) Document to be submitted after acceptance

1. Licenses/Registrations or proof of applying for labour licenses, registration with EPFO, ESIC &BOCW Welfare Board

**Executive Engineer,
CCD I, CPWD, Chennai .**

I - Nil O - Nil C - Nil

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C.P.W.D. - 6 FOR e – TENDERING.

Percentage Rate tenders are invited on behalf of President of India from approved and eligible contractors of CPWD for the work “**Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai.**”

- 1 . The enlistment of the contractors should be valid on the last date of submission of Tenders. In case the last date of submission of tender is extended, the enlistment of Contractor should be valid on the original date of submission of tenders.

The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender should clearly indicates the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

Intending tenderer is eligible to submit the tender provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:

Criteria of eligibility for submission of tender documents.

Deleted.

Deleted

Deleted.

- 2 Agreement shall be drawn with the successful tenderers on prescribed Form No. CPWD 7 (or other Standard Form as mentioned) which is available as a Government of India Publication and also available on website www. CPWD.Gov.in. Tenderers shall quote his rates as per various terms and conditions of the said form which will form part of agreement.

- 3 The time allowed for carrying out the work will be **2 (Two) Months** from the date of start as defined in Schedule “ F” or from the first date of handing over the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.

- 4 **(i) The site for the work is available. ***

OR

The site for the work shall be made available in phased manner. After completion of the work in the site in hand the site for the next phase shall be made available. *

- (ii) The architectural and structural drawings for the work are available. ***

OR

The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work. *

I - Nil O - Nil C - Nil

- 5 The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contractor to be complied with and other necessary documents except Standard General Conditions of Contractor Form can be seen from website [www. Tenderwizard.com/](http://www.Tenderwizard.com/) CPWD or www.cpwd.gov.in free of cost.
- 6 ***Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Banker's cheque or Deposit at Call receipt (drawn in favour of Executive Engineer, Chennai Central Division I, Chennai.) or Fixed deposit Receipt (drawn in favour of Executive Engineer, Chennai Central Division I, Chennai.) shall be scanned and uploaded to the e- Tendering website within the period of bid submission. The Original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated. The EMD receiving Executive Engineer shall issue a receipt of deposition of Earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.***

Scanned copy of this receipt along with scanned copy of the EMD shall also be uploaded to the e-tendering website by the bidder up to the specified bid submission date and time.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any Scheduled Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.

6A) The contractors registered prior to 01.04.2015 on e –tendering portal of CPWD shall have to deposit tender processing fee at existing rates, or they have option to switch over to the new registration system without tender processing fee any time.

7. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. **The Earnest Money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.**

The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F.

8. Intending Tenders 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 to access 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 charge 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 & 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 contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions

I - Nil O - Nil C - Nil

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and rate at which stores, tools and plant, etc. will be issued to him by the government and local conditions and other factors having a bearing on the execution of the work.

- 9 The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor shall not be permitted to tender for works in the CPWD Circle (Division in case of Contractors of Horticulture/ Nursery category) responsible for award and execution of contracts, which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior 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 gazette officers in the Central Public Works Department or in the ministry of urban Development. Any breach of this condition by of contractors of this Department.
13. No Engineer of gazette rank or other gazetted officers employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for the period of one permission of the Government of India 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 India as aforesaid before submission of the tender or engagement in the contractor's service.
14. The tender for the works shall remain open for acceptance for the period of **Thirty(30)** days from the date of opening of tender. If any bidders withdraws his bid before the said period or makes any modification in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the re tendering process of the work.
15. This notice tender shall form the part of the contract document. The successful tenderer/ Contractor, on acceptance of his tender by the Acceptance Authority shall within 15 days From the stipulated date of start of the work, sign the contract consisting of:-
 - (a) The notice Inviting Tender, all the document including additional condition, specification and drawing, if any, forming part of the tender as uploaded at the time of invitation of tender and the rate quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard C.P.W.D. Form 7 (GCC for CPWD Works 2014) with amendments or as amended/ modified upto last date of submission of Tender.

I - Nil O - Nil C - Nil

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- 17 The tender submitted shall become invalid and e-tender processing fee shall not be returned if :
- (i) The tenderer is found ineligible.
 - (ii) *The bidders does not deposit original EMD with the division office of any Executive Engineer, CPWD (The EMD document shall only be issued from the place in which the office of receiving division office is situated).*
 - (iii) *The bidder does not upload all the documents including the the copy of receipt for deposition of original EMD.*
 - (iv) *The bidder does not upload Notarized Affidavit of 'Non-black listing' by CPWD/State/Central departments/PSU/Autonomous bodies as per Form "J" (Not older than the date of Notice inviting tender) i.e., 06.12.2018*
 - (v) *GST Registration Certificate Mandatory (i.e.,) Registration at Tamilnadu state & Acknowledgement of up to date filed return of GST up to September 2018 or thereafter. If the bidder has not obtained GST Registration in the state in which the work is to be taken up, then in such a case the bidder shall upload following undertaking with the bid document "If work is awarded to me, I/we shall obtain GST Registration certificate within one month from the date of receipt of award letter or before payment of 1st R.A. Bill". However the GST Registration Certificate and Acknowledgement of up to date filed return of GST up to October 2018 or there after is Mandatory*
 - (vi) *If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority*

I - Nil O - Nil C - Nil

AE(P) /EE

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS
DEPARTMENT**

STATE : TAMILNADU	CIRCLE :	CCC II
BRANCH : B & R	DIVISION :	CCD I
ZONE : SZ-I	SUB- DIVISION :	CCSD-1/I

Percentage Rate Tender & Contract for Works

Tender for the work of: **Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .**

- (i) Last date and time of submission of e-tenders shall be up to **15.00 hrs on 14.12.2018** and the period during which documents shall be submitted shall be up to **15.00 hrs on 14 .12.2018**
- (ii) To be opened in presence of tenderers who may be present at **15:30 hours on 14.12.2018** in the office of **EE/CCD I/CPWD/Chennai.**

e-TENDER

I/We have read and examined the notice inviting tender, schedule, A,B,C,D,E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & 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 President of India 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 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **(30) Thirty days** from the due date its opening **in case of single bid system/ Ninety (90) days from the date of opening of technical bid in case tenders are invited on 2 bid/envelope system /one hundred twenty (120) days from the date of opening of technical bid in case bids are invited on 3 bid/envelope system** for specialized work (~~strike out as the case may be~~) and not to make any modifications in its terms and conditions.

If I / We, fail to furnish the prescribed performance guarantee within prescribed period, I / We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, If I / We fail to commence work as specified, I / We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said performance guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rate to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I / we agree that in case of forfeiture of Earnest Money or Performance Guarantee as aforesaid, I / we shall be debarred for participation in the re-tendering process of the work.

I/We hereby declare that I/we shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information / derived there from to any person other than a

I - Nil O - Nil C - Nil

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person to whom I/we am/are authorised to communicate the same or use the information in any manner prejudicial to the safety of the State.

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 President of India for a sum of **Rs. -----** /- **(Rupees -----**

----- **only).**

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

i)

ii)

ii)

For & on behalf of the President of India.

Signatures.....

Dated.....

Designation.....

I - Nil O - Nil C - Nil

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PROFORMA SCHEDULES**SCHEDULE 'A'**Schedule of quantities : **As per separate schedule attached****SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

Sl. No.	Description of item	Quantity	Rate in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
-----NIL-----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor.

Sl. No	Description	Hire charges per day	Place of issue
1	2	3	4
<u>NIL</u>			

SCHEDULE 'D'

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

SCHEDULE 'E'Reference to General Conditions of contract. **GCC 2014 – Con 303 amended up to 16-07-2018.**Name of work: **Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .**

I - Nil O - Nil C - Nil

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- i) Performance Guarantee: 5% of tendered value
 ii) Security Deposit: 2.5% of tendered value
or
2.5% of tendered value plus 50% of the PG for contracts involving maintenance of the building and services/ other work after construction of same building and services/other work.

SCHEDULE 'F'

General Rules & Directions:

Officer inviting tender **EE/CCD I/CPWD/Chennai.**
 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 clause 12

Definitions :

- 2 (v) Engineer- in- Charge for Civil : **EE/CCD I/CPWD/Chennai**
 2 (viii) Accepting Authority **EE/CCD I/CPWD/Chennai**
 2 (x) Percentage on cost of materials and labour to cover all overheads and profits. **15 %**
 2 (xi) Standard Schedule of Rates for Civil : **DSR-2016 with upto date correction Slips / amendments**
 Standard Schedule of Rate for Elect.:
 2(xii) Department **Central P.W.D**

9 ii) **Contract Form** : Standard CPWD Contract Form 7 General Conditions of Contract for CPWD Works **2014 Con 303 amended up to 16-07-2018**

Clause 1

- i) Time allowed for submission of Performance Guarantee Programme chart (Time and progress) and applicable labour license, registration with EPFO , ESIC and BOCW welfare board or proof of applying thereof from the date of issue of letter of acceptance **7 days**
- ii) Maximum allowable extension with late fee @0.1% per day of performance Guarantee amount beyond the period (provided in i) above **7 days**

Clause 2

Authority for fixing compensation under clause 2. **SE/CCCII, CPWD, Chennai**

Clause 2A

Whether clause 2 A shall be applicable **NO**

Clause 5

Authority to decide

I - Nil O - Nil C - Nil

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i) Extension of time EE/CCDI/CPWD/Chennai

ii) Rescheduling of mile stone..... EE/CCDI /CPWD/Chennai

iii) Shifting of date of start in case of delay in handing over of site EE/CCDI /CPWD/Chennai

Number of days from the date of issue of letter acceptance for reckoning date of start 7 days

Mile stone(s) as per table given below:-

Sl. No.	Description	Time in days from date of start of work	Amount to be withheld in case of non achievement of Mile(s) Stone work
1	Completion of 25% of value of work	15 days	In the event of not achieving the necessary progress as assessed from the running payment, 1% of the tendered value of work will be withheld for failure of each milestone
2	Completion of 50% of value of work	30 days	
3	Completion of 75% of value of work	45 days	
4	Completion of 100% of value of work	60 days	

Time allowed for execution of work. **2 (Two) Months**

Authority to give fair and reasonable extension of time for EE/CCDI / CPWD/Chennai

Completion of work:

Clause 6, 6A

Clause applicable - (6 or 6A)	
i)	For works having estimated cost more than Rs.15 lacs - Clause 6A
ii)	For works having estimated cost Rs.15 lacs or less – Contractor's option either of clause 6 or Clause 6A (to be exercised at Tender submission)

Clause 7

Gross work to be done together with net payment / adjustment of advances for material collected , if any since the last such payment for being eligible to interim payment. **Rs. 12,60,000/-**

Clause 7A **APPLICABLE**

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable as submitted by the contractor to the Engineer-in Charge.

Clause 10A

List of testing equipment to be provided by the contractor: As per Site requirement

I - Nil O - Nil C - Nil

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Clause 10B (ii)

Whether Clause 10B (ii) shall be applicable : **NO**

Clause 10C

Component of labour expressed as percent of Value of work. : **Applicable**
25%

Clause 10CA : **Not Applicable**

Materials Covered under this Clause	Nearest Material for which All India Wholesale Price Index is to be followed	Base Price of Materials covered under Clause 10 CA Per M.Ton
Cement		Rs.6,600/- Per MT
Tor Steel Reinforcement		Rs. 57,100/- Per MT
Structural steel		Rs. 58,165/- Per MT

Clause 10 CC

Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period show in next column

Not Applicable

Clause 11

Specifications to be followed for execution of work

For Civil Work : **CPWD specification 2009 Vol. I to II amended upto date.**

Clause 12 : The completion cost of agreement shall not exceed 1.25 times of tendered amount.

**Type of work : Maintenance work i/c work of upgradation, aesthetic, Special repairs
Addition / Alteration.**

12.2 & 12.3 Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building including foundation work (except earth work) : **50% (Fifty Percentage)**

12.5 Deviation Limit for items in earthwork subhead of DSR or related items : **100% (One hundred percentage)**

Clause 16

Competent Authority for deciding reduced rates. **SE/CCCII/CPWD/CHENNAI-6**

Clause 18 :

List of mandatory machinery, tools & plants to be deployed by the contractor at site:-
As per the list mentioned in the para F2 of the Additional Specifications

I - Nil O - Nil C - Nil

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Clause 25(i)**Constitution of Dispute Redressal Committee:**

	Claims up to 25lakhs	Claims above 25 lakhs
Chairman	Director (Works cum TLQA) SR I ,CPWD, CHENNAI.	Chief Engineer (SZ) IV, MADURAI
Member	EE/CCD IV, CPWD,CHENNAI	Director (Works cum TLQA) SR I, CPWD, CHENNAI
Member	EE(P), O/o CE (SZ) I, Chennai	SE/CCC I/CPWD/ CHENNAI.
Presenting Officer	EE/CCD I /CPWD, Chennai	SE/CCC II/CPWD/ CHENNAI.

(i) If either party considers any work demanded of or denied to it to be outside requirements of the contract, or disputes any drawings, record or decision given in writing by the Engineer-in-Charge or contractor on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, it shall promptly within 15 days request the Dispute Redressal Committee (DRC) along with a list of disputes with amounts claimed in respect of each such dispute. The Dispute Redressal Committee (DRC) shall give the opposing party two weeks for a written response, and, holding not more than three hearings give its decision within a period of 60 days from the receipt of appeal from either party. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in Schedule 'F'. If the Dispute Redressa committee (DRC) fails to give its decision within the aforesaid period or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC), then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), give notice to the Chief Engineer for appointment of arbitrator on prescribed proforma as per Appendix XV, failing which the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator. It is a term of contract that each party invoking arbitration must exhaust the aforesaid mechanism of settlement of claims/disputes prior to invoking arbitration.

Provided that no party shall be represented before the Dispute Redressal Committee by an advocate/legal counsel etc.

- iii) It is also a term of this contract that if the contractor does not make any demand for appointment of arbitration in respect of any claims in writing as aforesaid within 3 years of receiving the intimation from the Engineer - in charge that the final bill is ready for payment, the claim of the contractor shall be to have been waived and absolutely barred and the government shall be discharged and released of all liabilities under the contract in respect of these claims.

I - Nil O - Nil C - Nil

AE(P) /EE

Clause 36 i)

Minimum Qualifications & experience required for Principal Technical Representative.

Sl. No.	Designation	Minimum qualification and experience required	Discipline Number required	Numbers	Rate of recovery per month per person in case of non compliance.
1	Principal Technical Representative	Graduate Engineer with nil experience OR Diploma Engineer with 5 years experience		1 1	15,000/- 15,000/-

Assistant Engineers retired from government service who are holding Diploma will be treated at par with graduate engineers. **Diploma holder with minimum 10 year relevant experience with a reputed construction co. can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.**

Clause 42

- i) Schedule / statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates **2016** printed by C.P.W.D **with upto date correction slips**
- ii) Variations Permissible on theoretical quantities.
 - a) Cement for works with estimated cost put to tender not more than Rs. 5 Lakhs. 3% plus / minus
For works with estimated cost put to tender more than Rs. 5 Lakhs. 2% plus / minus
 - b) Bitumen All works. 2.5% plus only & Nil on minus side
 - c) Steel Reinforcement and structural steel Sections for each diameter, section and category 2% plus / minus
 - d) All other materials. Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl.No	Description of Item	Rate in figures and words at which recovery shall be made from the contractor.	
		Excess beyond Permissible variation	Less use beyond the Permissible variation
1	Cement	NIL	Rs.6600+10% per M.T
2	Steel Reinforcement	NIL	Rs.57100/-+10% per M.T

I - Nil O - Nil C - Nil

AE(P) /EE

GUIDELINES REGARDING SIGNING OF INTEGRITY PACT BY THE TENDERER AT THE TIME OF SUBMISSION OF TENDER (Vide No. DG/CON/255A dated 10.08.2011)

Sub: Clarification regarding Introduction of Integrity Pact introduced vide OM No. CON 255 dated 23.05.2011

A new provision of Integrity Pact (IP) was introduced in GCC-2010 vide OM No. CON/255 dated 23.05.2011. In the OM it is mentioned that at the time of submission of Tender, it shall be mandatory to sign the pact by the Tenderer failing which the Tenderer will stand disqualified from the tendering process and such Tender would be summarily rejected.

Some fields Units have raised their doubts regarding submission of duly signed Integrity Pact by the Tenderer at the time of submission of Tender. In this regard it is clarified that:-

1. Submission of duly signed Integrity Pact by the Tenderer is applicable in case of manual tendering where e-tendering is not followed.
2. In case of manual tendering Executive Engineer should sign the first page addressed to the intending Tenderer at the time of issue of tender form and before submission of the Tender, each Tenderer shall sign IP at respective places and submit the Tender. If duly signed IP is not submitted by the Tenderer, such Tender shall not be considered.
3. In case of e-tendering, Integrity Pact shall be treated in the same manner as other components of the Tender document. In e-tendering, the intending Tenderer does not sign any document physically and entire Tender document is submitted through digital signature. Since IP is a part of Tender document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of Tender document, the Integrity Pact shall also be signed between Executive Engineer and successful Tenderer after acceptance of Tender.

I - Nil O - Nil C - Nil

AE(P) /EE

INTEGRITY PACT

To,

.....,
.....,
.....

Sub: NIT No.: 75/2018-19/CCD-I/Chennai

Name of work : **Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .**

Dear Sir,

It is here by declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement. The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Tenderer will sign the integrity Agreement, which is an integral part of tender/Tender documents, failing which the tenderer/Tenderer will stand disqualified from the tendering process and the Tender of the Tenderer would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours sincerely

Executive Engineer

I - Nil O - Nil C - Nil

AE(P) /EE

INTEGRITY PACT

**To,
The Executive Engineer,
Chennai Central Division-I,
Central PWD.
Chennai-06.**

Subject: Submission of Tender for the work “Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai.

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/Tender document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that **THE MAKING OF THE TENDER SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE** of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/Tender is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/Tender, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/Tenderer and reject the tender/Tender in accordance with terms and conditions of the tender/Tender.

Yours sincerely

(Duly authorized signatory of the Tenderer)

(To be signed by the Tenderer and same signatory competent / authorized to sign the relevant contract on behalf of Firm / Company)

I - Nil O - Nil C - Nil

AE(P) /EE

INTEGRITY AGREEMENT

This Integrity Agreement is made at on thisday of 20.....

BETWEEN

President of India represented through **Executive Engineer, Chennai Central Division-I, CPWD, Chennai-600 006**. (Hereinafter referred as the Principal/Owner", which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....(Name and Address of the Individual/firm/Company) through..... (Hereinafter referred to as the (Details of duly authorized signatory)

"Tenderer/Contractor" and which expression shall unless repugnant to the meaning or context here of include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No _____) (hereinafter referred to as "Tender/Tender") and intends to award, under laid down organizational procedure, contract for **"Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. ."** herein after referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Tenderer(s) and Contractor(s). AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Tender documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Tenderer(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Tenderer(s) the same information and will not provide to any Tenderer(s) confidential / additional information through which the Tenderer(s) could obtain an advantage in relation to the Tender process or the Contract execution.

I - Nil O - Nil C - Nil

AE(P) /EE

- (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Tenderer(s)/Contractor(s)

- 1) It is required that each Tenderer/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Tenderer(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
- a) The Tenderer(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
- b) The Tenderer(s)/Contractor(s) will not enter with other Tenderer(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of Tenders or any other actions to restrict competitiveness or to cartelize in the Tendering process.
- c) The Tenderer(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Tenderer(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted Electronically.
- d) The Tenderer(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Tenderer(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could Tender in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
- e) The Tenderer(s)/Contractor(s) will, when presenting his Tender, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Tenderer(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

I - Nil O - Nil C - Nil

AE(P) /EE

- 4) The Tenderer(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.
- 5) The Tenderer(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Tenderer(s)/Contractor(s) and the Tenderer/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Tenderer(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Tenderer(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Tenderer/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
- 2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Tenderer(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Tenderer/Contractor.
- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Tenderer or Contractor, or of an employee or a representative or an associate of a Tenderer or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/ Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Tenderer declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Tenderer makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Tenderer/Contractor as deemed fit by the Principal/ Owner.

I - Nil O - Nil C - Nil

AE(P) /EE

- 3) If the Tenderer/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Tenderers/Contractors/Subcontractors

- 1 The Tenderer(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Tenderer/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/ sub-vendors.
- 2 The Principal/Owner will enter into Pacts on identical terms as this one with all Tenderers and Contractors.
- 3 The Principal/Owner will disqualify Tenderers, who do not submit, the duly signed Pact between the Principal/Owner and the Tenderer, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/ Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other Tenderers, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/ determined by the Competent Authority, CPWD.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

I - Nil O - Nil C - Nil

AE(P) /EE

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact. IN WITNESS WHEREOF the parties have signed and executed this Integrity

Pact at the place and date first above mentioned in the presence of following witnesses:

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES :-

1
(Signature, name and address)

2
(Signature, name and address)

Place :

Dated :

I - Nil O - Nil C - Nil

AE(P) /EE

FORM 'J'
AFFIDAVI
T

I/we undertake and confirm that our firm/partnership firm has not been blacklisted by any state/Central Departments/PSUs/Autonomous bodies during the last 7 years of its operations. Further that, if such information comes to the notice of the department then I/we shall be debarred for bidding in CPWD in future forever. Also, if such information comes to the notice of department on any day before date of start of work, the Engineer-in-charge shall be free to cancel the agreement and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee (Scanned copy of this notarized affidavit to be uploaded at the time of submission of bid)

NOTE: Affidavit to be furnished on a 'Non-Judicial' stamp paper worth Rs.100/-

**Signature of Bidder(s) or an authorized
Officer of the firm with stamp**

Signature of Notary with seal

I - Nil O - Nil C - Nil

AE(P) /EE

FORM OF PERFORMANCE SECURITY (GUARANTEE)
BANK GUARANTEE BOND

In consideration of the President of India (hereinafter called "The Government") having offered to accept the terms and conditions of the proposed agreement between.....and.....(hereinafter called "the said Contractor (s)") for the work.....
(Hereinafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs. (Rupees.....only) as 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 Government an amount not exceeding Rs.....
(Rupeesonly) on demand by the Government.

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

3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment therein under 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 the 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 Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We.....further agree with the Government that
(indicate the name of the Bank)
the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forebear or enforce any of the

I - Nil O - Nil C - Nil

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 forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have 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

(Indicate the name of the Bank)

Guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid up tounless extended on demand by Government. Notwithstanding anything mentioned above, our liabilities against this guarantee is restricted to Rs.

...../-(Rupeesonly)and unless a claim in writing is lodged with us within six months of the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Dated theday offor.....(indicate the name of bank)

I - Nil O - Nil C - Nil

AE(P) /EE

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor(Name of contractor) (Hereinafter called “the contractor”) has submitted his bid dated (Date) for the construction of(Name of work) (Hereinafter called “the Bid’)

KNOW ALL PEOPLE by these presents that we(Name of bank) having our registered office at (Hereinafter called “the Bank”) are bound unto (Name and division of Executive Engineer) (Hereinafter called “the Engineer-in-

SEALED with the Common Seal of the said Bank this day of Charge”) in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents20.....

THE CONDITIONS of this obligation are:

If after bid opening the Contractor withdraws, his bid during the period of validity of bid (including extended validity of bid) specified in the Form of Bid.

If the contractor having been notified of the acceptance of his bid by the Engineer-in- Charge. Fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR furnish the Performance Guarantee, in accordance with the provisions of bid document and Instructions to contractor, OR We undertake to pay to the Engineer-in-Charge up to the above amount upon receipt of his first written demand, without the Engineer-in-Charge having to substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date*after the deadline for submission of bid as such deadlines is stated in the Instructions to contractor or as it may be extended by the Engineer-in- Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE SIGNATURE OF THE
BANK WITNESS SEAL

(SIGNATURE, NAME AND ADDRESS)

***Date to be worked out on the basis of validity period of 90 days from last date of receipt of tender. (as per DG/MAN/347 dated 13.4.2017)**

I - Nil O - Nil C - Nil

AE(P) /EE

Guarantee to be executed by contractors for removal of defects after completion in respect of Retro Fitting/ Repairs for RCC works

The Agreement made this.....day ofTwo thousand and betweenson ofof hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called Government of the other part).

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the contract) datedand made between the GUARANTOR OF THE ONE part and the Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely. AND WHEREAS GUARANTOR agreed to give a guarantee to the effect that the said the part of structures will remain intact for ten years from the date of completion of repair / retrofitting to RCC members.

NOW THE GUARANTOR hereby guarantees that repairs/ retrofitting given by him will render the structures completely leak-proof and the minimum life of such retrofitting/ repair to RCC members works shall be ten years to be reckoned from the date after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for damages caused by earthquake or structural defects or misuse of roof or alteration and for such purpose:

(a) The decision of the Engineer-in-charge with regard to damages shall be final.

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found render the building to the satisfaction of the Engineer-in-charge at his cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-charge calling upon him to rectify the defects failing which the work shall be got done by the Department by some other contractor at the GUARANTOR 'S cost and risk. The decision of the Engineer-in-charge as to the cost, payable by the guarantor shall be final and binding.

That if Guarantor fails to execute the water proofing or commits breach there under then the Guarantor will indemnify the Principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement. As to the amount of loss and / or damage and / or cost incurred by the Government the decision of the Engineer-in-charge will be final and binding on the parties.

IN WITNESS WHEREOF these present have been executed by the Obligor.....and byand for and on behalf of the PRESIDENT OF INDIA on the day, month and year first above written.

SIGNED, SEALED and delivered by OBLIGOR in the presence of –

- 1.
- 2.

SIGNED for and on behalf of THE PRESIDENT OF INDIA byin the presence of-

I - Nil O - Nil C - Nil

AE(P) /EE

GUARANTEE FOR THE WORK OF REPAIRS TO RCC MEMBERS :

Guarantee for the work of repairs to RCC members: Ten years guarantee in prescribed proforma attached shall be given by the contractor for the repairs to RCC work using renderac, non shrink plaster, anti corrosive coat to reinforcement and epoxy coat to concrete

work. In addition 10% (ten percent) of the cost of these items of repairs to RCC members shall be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after five years from the date of completion of the work, if the performance of the retrofitting works is satisfactory. The remaining withheld amount shall be released after completion of ten years from the date of completion of work, if the performance of the retrofitting work is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialist agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the department.

I - Nil O - Nil C - Nil

AE(P) /EE

SPECIAL CONDITIONS

1. Before tendering, the contractor shall inspect the site of work and shall fully acquaint himself about the conditions prevailing at site, availability of materials, availability of land and suitable location for construction of godowns, stores and camp, transport facilities, the extent of lead and lifts involved in the work (over the entire duration of contract) including local conditions, as required for satisfactory execution of the work and nothing extra whatsoever shall be paid on this account.
2. The contractor shall at his own expense and risk arrange land for accommodation of labour, setting up of office, the storage of materials, erection of temporary workshops, and construction of approach roads to the site of the work including land required for carrying out of all jobs connected with the completion of the work. However, the departmental land, to the extent available may be allowed to be used for the purpose free of rent without accepting any responsibility for the delay, if any, on this account. The contractor shall have to abide by the regulations of the authorities concerned and the directions of the Engineer-in-charge for the use of the land available at the site of work. If during construction it becomes necessary to remove or shift the stored materials shed workshop, access roads, etc. to facilitate execution of any other work by any other agency, the contractor shall do as directed by the Engineer-in-charge and no claim whatsoever, shall be entertained on this account.
3. It shall be deemed that the contractor shall satisfied himself as to the nature and location of the work, transport facilities, availability of land for setting up of camp etc. The department will bear no responsibility for lack of such knowledge and the consequences thereof.
4. The contractor shall have to make approaches to the site, if so required and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-charge. Nothing extra shall be paid on this account.
5. The contractor shall be responsible for the true and proper setting out of the work in coordination with the Engineer-in-charge or his authorized representatives and for the correctness of the positions, levels, dimensions and alignments of all parts of the structure and for the provisions of all necessary instruments appliances and labour in connection therewith. If at any time, during the progress of work, any error appears or arises in the position, levels, dimensions or alignment of any part of the work, the contractor on being asked to do so by the Engineer-in-charge, shall rectify such error to the entire satisfaction of Engineer-in-charge. The checking by the Engineer-in-charge or his authorized representative shall not relieve the contractor of his responsibility for the correctness of any setting out of any line or level. The contractor shall carefully protect and preserve all bench marks pegs and pillars provided for the setting out of works.
6. All setting out activities concerning establishment of benchmarks, theodolite stations centre line pillars etc. including all materials, tools, plants, equipments, theodolite and all other instruments, labour etc. required for performing all the functions necessary and ancillary thereto at the commencement of the work, during the progress of the work and till the completion of the work shall be carried out by the contractor and nothing extra shall be paid on this account.
7. The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of the Engineer-in-charge. Subsequently, the materials to be used in the actual execution of the work shall strictly conform to the quality of samples approved by the Engineer-in-charge and nothing extra shall be paid on this account. The acceptance of any sample or material on inspection shall not be a bar to its subsequent rejection, if found defective.

I - Nil O - Nil C - Nil

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8. The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the contractor. The contractor or his authorized representative shall remain in contact with the Engineer-in-charge or his authorized representative associated for all such contact with the Engineer-in-charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the contractor.

All testing charges shall be borne by the contractor / department in the manner indicated below.

By the contractor, if the results show that the material does not confirm to relevant specifications and BIS codes or any other relevant code for which confirmatory test is carried out.

By the Department, if the results show that the material conforms to relevant BIS codes or any other relevant code for which confirmatory test is carried out.

9. The necessary tests shall be conducted in the laboratory approved by the Engineer-in-charge. The samples for carrying out all or any of the tests shall be collected by the Engineer-in-charge or on his behalf by any other officer of CPWD. The contractor or his authorized representative shall associate himself in collection, preparation, packing and forwarding of such samples for the prescribed tests and analysis. In case he or his authorized representative is not present or does not associate himself, the results of such tests and consequences thereon shall be binding on the contractor.
10. Materials used on work without prior inspection and testing (where testing is necessary) and without approval of Engineer-in-charge are liable to be considered unauthorized, defective and not acceptable. The Engineer-in-charge shall have full powers to require removal of any or all of the materials brought to site by contractor which are not in accordance with the contract, specifications or do not conform in character or quality to the samples approved by the Engineer-in-charge. In case of default on the part of the contractor in removing rejected materials, the Engineer-in-charge shall be at liberty to have them removed at the risk and cost of the contractor.
11. The contractor shall make his own arrangement for the required for execution of work and get the water tested at his own cost with regard to its suitability for use in the works and get written approval from the Engineer-in-charge before he proceeds with the use of same for execution of work. Nothing extra shall be paid to the contractor on this account.
12. The work shall be carried out in such a manner so as not to interfere/or effect or disturb other works being executed by other agencies, if any.
13. Any damages done by the contractor to any existing work or work being executed by other agencies shall be made good by him at his own cost.
14. The work shall be carried out in the manner complying in all respects with the requirement of relevant rules and regulations of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
15. For completing the work in time, the contractor might be required to work in two or more shifts and no claims whatsoever shall be entertained on this account, notwithstanding the Fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and/or extra amount for any other reasons.

I - Nil O - Nil C - Nil

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16. There is no electric power supply at the site of work. The contractor will have to make his own 'arrangement for obtaining electric connection from the state electricity board and make necessary payments directly to the department concerned and/or install generators at the site of work, if required and nothing extra whatsoever will be payable on this account.
17. The drawings for the work attached in the document relating to this contract and all other drawings that will be issued by the Engineer-in-charge during the execution of work shall at all times be properly correlated before executing any work and no claim whatsoever shall be entertained on this account.
18. The contractor shall maintain in good condition all work executed till the completion of the entire work entrusted to the contractor under this contract and nothing extra shall be paid on this account.
19. No payment will be made to the contractor for damage caused by rain, floods and other natural calamities whatsoever during the execution of the works and any damage to the work on this account shall have to be made good by the contractor at his own cost and nothing whatsoever ' shall be paid on this account.
20. The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour materials, de-watering and other inputs involved in the execution of the items.
21. Unless otherwise provided in the schedule of quantities or CPWD specifications the rates tendered by the contractor shall be all-inclusive and shall apply to all heights, depths, leads and lifts.
22. No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc. would be entertained under any circumstances.
- 23 For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provisions of CPWD safety code and directions of the Engineer-in-charge make all arrangements to provide facility as per the provisions of Indian Standard Specifications (Codes) listed below and nothing extra shall be paid on this account.
 1. IS 3696 Part I Safety Code for scaffolds and ladders
 2. IS 3696 Part II Safety Code for scaffolds and ladders Part II ladders
 3. IS 764 Safety Code for excavation work
 4. IS 4081 Safety Code for Blasting and Drilling operations,
 5. IS4138 Safety Code for working in compressed air.
 6. IS 7293 Safety Code for working with construction machinery
 7. IS 7969 Safety Code for storage and handling of building materials
24. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.
25. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor, on all the boulders, metal single, earth, aggregates, sand, bajri, Brick bats etc. collected by him for the execution of the work direct to the concerned Revenue Authority of the State or Central Government and the amount paid shall not be reimbursed in any form whatsoever.
26. In case of specifications the following hierarchy will be followed:
 - I - Nil O - Nil C - Nil

- (1) Nomenclature of the item.
- (2) Additional Specifications, particular specifications, special / additional condition if any as defined in the contract documents.
- (3) Drawings
- (4) CPWD Specification.
- (5) BIS Specification (Latest version) if CPWD specification not available.
- (6) Manufacturers specifications if BIS specification not available.
- (7) Sound engineering practices. Standard text books.
- (8) If none of the above is available decision of Engineer-in-Charge will be Final.

27. All Stone aggregates, sand, stone dust, etc shall be obtained only from the quarry or other source approved by the Engineer in charge before they are actually procured and used in the work. The rate for the items mentioned in the schedule of quantities includes all charges and nothing-extra payable on any account.

28. The additional specifications given below are not substitute to C P W D specifications or I S specifications. These shall be read along with C P W D specifications or I S specifications.

The work shall be carried out using metric dimensions only and shall be measured and paid in metric dimensions. F P S units, if any, mentioned in drawings etc are for guidance only.

Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revision there of if any, up to the date of receipt of tenders.

Unless otherwise specified in the schedule of quantities the rate for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.

The tenderer shall study the item description, the relevant drawings and satisfy him self the item of work to be carried.

The contractor shall produce the copy of the current validity of the BIS certification of the agency from whom materials was procured by the contractor. BIS marked materials shall also be got tested. The materials and the quantity for which tests to be conducted shall be decided by the Engineer-in-charge.

The rate shall be for all heights and locations and shall include all material, labour etc unless specified in the item description.

29. Labour Cess 1% etc., as applicable shall be borne by the contractor himself. **Any recovery towards GST is notified by the competent authority, the same shall be effected and no claim what so ever shall be entertained by CPWD. The contractor shall quote his rates accordingly.**

I - Nil O - Nil C - Nil

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The rate for providing and fixing water supply and sanitary fittings, the rate is inclusive of cost of removing the existing damaged ones, unless otherwise specified separately.

30. For the item of providing and laying granite / vitrified tile flooring, the rate quoted shall be inclusive of protective coat of plaster of paris of required thickness, if necessary.
31. The rate quoted for tile flooring is inclusive of any hacking of base slab for better bonding of cement mortar as directed by the Engineer-in-Charge.
32. GST @ 2% to be recovered in each running/final bill.

I - Nil O - Nil C - Nil

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ADDITIONAL CONDITIONS

1. The contractor shall make his own arrangements for obtaining electric connections if required and make necessary payments directly to the department concerned.
2. Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work of pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
3. Some restrictions may be imposed by the security staff etc., on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
4. The building work will be carried out in the manner complying in all respects with the requirements of relevant byelaws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
5. The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal Corporation or such local body-by-laws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.
6. Water tanks, taps sanitary, water supply and drainage pipes, fittings and accessories should conform to byelaws and specifications of the Municipal Body/Corporation where C P W D specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/ Corporation authorities wherever required at his own cost.
7. The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charge, which he may be liable.
8. The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
9. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra should be payable (or) extra cement considered in consumption on this account.
10. The structural and Architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.

I - Nil O - Nil C - Nil

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11. The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services compound walls are to be constructed.
12. If as per Municipal / Local body rules the huts for labour are not be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
13. Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand and bajri etc., collected by him for the execution of the work direct to the Revenue authority or authorised agent of the State Government concerned or Central Government.
14. Wherever Hindi version also exists, and if there be variations between Hindi and English version in any part of the tender documents, the English version alone shall prevail.
15. The Rate for RCC works include cost of concreting in sloped & curved roof, chajjas & beams and no extra rate shall be payable on any account.
16. The Rate for Centering & shuttering under concrete items include cost of centring and shuttering in curves & arches up to 20 degrees.
17. The Contractor should construct proper mortar bands of lean mix with adequate depth & smaller size over the curved roof for flooding with water & proper curing. In case of Arches, wet gunny bags shall be used for a period of two weeks.
18. Contractor has to make his own arrangement of water at site of work. If Government water is used by contractor recovery for the same @1% on gross work done will be effected from R/A Bills and Final Bill respectively.

I - Nil O - Nil C - Nil

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ADDITIONAL SPECIFICATIONS

The additional specifications given below are not substitute to C P W D specifications or I S specifications. These shall be read along with C P W D specifications or I S specifications.

A. GENERAL

1. The work shall be carried out using metric dimensions only and shall be measured and paid in metric dimensions. F P S units, if any, mentioned in drawings etc are for guidance only.
2. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revision thereof if any, up to the date of receipt of tenders.
3. Unless otherwise specified in the schedule of quantities the rates for the various items are for all heights and locations.
4. Unless otherwise specified in the schedule of quantities the rate for the items of the work shall be considered, as inclusive of pumping out or bailing out water, if required, for which no extra payments will be made. This will include water encountered from any source, such as rains, floods, sub-soil water table being high or due to any other cause whatsoever.
5. The tenderer shall study the item description, the relevant drawings and satisfy himself the item of work to be carried.
6. The contractor shall produce the copy of the current validity of the BIS certification of the agency from whom materials was procured by the contractor. BIS marked materials shall also be got tested. The materials and the quantity for which tests to be conducted shall be decided by the Engineer-in-charge.

B. WOOD WORK

1. The timber to be used in the work should be best quality specified.
2. All glass panes used for doors and windows shall be single sheet.

C. RCC WORK:

1. The Mixing of Concrete shall be done in the mechanical mixer. Besides the mixer should also have arrangement for weighing water so that, water cement ratio can be controlled more effectively.
2. For all RCC works only factory made round type cover blocks shall be used instead of pre cast cover blocks as per 5.3.2.2 of CPWD Specification 2002. The CPWD specification stands modified to the extent.

D. ALUMINIUM WORK

1. The aluminium doors, windows, ventilators, fixed glazing etc shall be manufactured as per architectural drawings. Section manufactured by standard manufactures shall be used. The name of the manufacturers shall be got approved from the Engineer – in – charge in advance.
2. The contractor shall submit necessary drawings, based on the architectural drawings supplied to him, indicating the section numbers as per manufacturers catalogue, their unit weight, total weight of each unit, method of jointing the various members including details of hinges, rollers, handles etc to the Engineer – in – Charge for his approval. Only after the drawings are approved the required material shall be procured. The Engineer – in – Charge may modify the drawings and the work should be executed as per the modified drawings .
3. The weight of the doors, windows etc shall be calculated considering the length and weight per unit length of various aluminium members only. The weight of gaskets, glazing, rollers, stoppers etc shall not be considered.

I - Nil O - Nil C - Nil

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4. The anodic coating of the aluminium section shall be as per the thickness specified in the schedule of quantities. The thickness of anodic coating shall be got tested in a reputed laboratory. Method of sections shall be employed for finding the thickness. The anodic coating shall confirm to IS 1868: 1982.
5. The various tests on aluminium sections shall be conducted in accordance with relevant I S codes.
6. The weight of aluminium section shall be least of the following
 - i) Actual weight per unit length.
 - ii) Weight as mentioned in the catalogue of the manufacturer.
7. The fabricated aluminium sections shall be given a lacquer coating which shall be maintained during the construction period to prevent damage to the aluminium sections. The same shall be cleaned and polished before handing over the building.
8. The doors, windows, ventilators etc shall be provided with glass of specified type and thickness. Weather sealing neoprene gaskets shall be provided while fixing the glass.
9. If the thickness of glass is not mentioned then the same shall be as per C P W D specifications as per area of opening.
10. The sliding shutters of windows shall be provided with superior quality nylon / metal rollers , aluminium stoppers and special type locking arrangements. The arrangements shall be got approved from the Engineer – in – Charge before procuring them.
11. The aluminum sections shall be connected to each other, wherever needed, using extruded aluminium angles of suitable size and thickness not less than 6 MM using stainless steel screws. Such connecting angles shall not be measured for payment.
12. Wherever aluminium doors, windows etc are to be fixed touching the soffit of beams a clear gap of min 6 mm may be left between the bottom of beam and top of aluminium member and the same shall be filled with silicon sealant of approved quality.

The rate shall be for all heights and locations and shall include all material, labour etc unless specified in the item description.

E. EARTH FILLING:

In respect of Item no. --- ie filling in foundations, plinth and the area wherever required with available earth and earth carted from outside, the rate is inclusive for all lifts and leads of filling and nothing extra shall be payable.

F. STANDARD OF ACCEPTANCE

Standard of acceptance shall be as specified in CPWD Specification 2009 Field laboratory: The contractor shall at his own cost, equip and establish a field laboratory at the site of work with requisite man power for carrying out all mandatory tests for RCC works. The apparatus, instrument and equipment to be provided in the laboratory, is as per the drawings and directions of the Engineer – in – Charge as detailed below

I - Nil O - Nil C - Nil

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F 1. List of equipments for field testing laboratory

1. Balances
 - (i) 7 kg to 10 kg capacity, semi-self indicating type – accuracy 10 gm.
 - (ii) 500 gm capacity, semi-self indicating type – accuracy 1 gm.
 - (iii) Pan balance – 5 kg capacity – accuracy 10 gm.
2. Ovens-electrically operated, thermostatically controlled up to 110^oC – sensitivity 1^oC
3. Sieves: as per IS 460 - 1962
 - (i) I.S. sieves – 450 mm internal dia, of sizes 100 mm, 80 mm, 63 mm, 50 mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, complete with lid and pan.
 - (ii) I.S. sieves – 200 mm internal dia (brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
- 4 Sieve shaker capable of 200 mm and 300 mm diameter sieves, manually operated with timing switch assembly.
5. Equipment for slump test – slump cone, steel plate, tamping rod, steel scale, and scoop.
6. Dial gauges, 25 mm travel – 0.01 mm/division least count – 2 nos.
7. Graduated measuring cylinders 200 ml capacity – 3 Nos.
8. Enamel trays (for efflorescence test for bricks)
 - a. 300 mm x 250 mm x 40 mm – 2 Nos.
 - b. Circular plates of 250 mm dia – 4 Nos.

F 2. Field Testing Instruments

1. Steel tapes – 3 m
 2. Vernier calipers
 3. Micrometer screw 25 mm gauge
 4. A good quality plump bob
 5. Spirit level, minimum 30 cm long with 3 bubbles for horizontal vertical
 6. Wire gauge (circular type) disc
 7. Foot rule
 8. Long nylon thread
 9. Rebound hammer for testing concrete
 10. Dynamic penetrometer
 11. Magnifying glass
 12. Screw driver 30 cms long
 13. Ball pin hammer, 100 gms
 14. Plastic bags for taking samples
 15. Moisture meter for timber
 16. Earth resistance tests: for Electrical Divisions
 17. Meggar: for Electrical Divisions.
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I - Nil O - Nil C - Nil

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CONDITION FOR CEMENT & STEEL TO BE BROUGHT BY THE CONTRACTOR

1. Cement

The contractor shall procure 43 grade (conforming to IS: 8112) ordinary Portland cement as required in the work, from reputed manufacturers of cement having a production capacity of one million tones per annum or more, such as ACC, Ultra Tech, J.P.Rewa, Vikram, Shree Cement, Birla Jute, Coromondal, Deccan, Dalmia, Ramco and Cement Corporation of India, etc., as approved by the Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from the Engineer-in-Charge. Supply of cement shall be taken in 50 kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be got tested in accordance with provisions of relevant BIS codes. In case, test results indicate that the cement arranged by the contractor do not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

The cement shall be brought at site in bulk and of approximately 50 tonnes or as decided by the Engineer-in-Charge.

The cement go-down of the capacity to store a maximum of 2000 bags of cement shall be constructed by the contractor at site or work for which no extra payment shall be made. Double lock provision shall be made to the door of the cement go-down. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement go-down. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

The contractor shall supply free of charge the cement required for testing. The frequency and the details of the tests shall be decided by the Engineer-in-Charge depending on the quantum of supply in each batch. The cost of tests shall be borne by the contractor/Department in the manner indicated below:

- a) By the contractor, if the results show that the cement does not conform to the relevant BIS codes.
- b) By the Department, if the results show that the cement conforms to relevant BIS codes.

The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in the contract and shall be governed by conditions laid therein. Items for which standard coefficients for cement consumption are not available in DSR 2014, the same shall be decided by the Engineer-in-Charge.

Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

The cement bags shall be stacked on proper floors consisting of two layers of dry bricks laid on well-consolidated earth at a level of at least one foot above ground level. The stacks shall be in rows of 2 and 10 bags high with minimum of 0.60 m clear space around. The bags should be placed horizontally

I - Nil O - Nil C - Nil

continuous in each line. Actual size/shape of godown shall be as per site requirements and nothing shall be paid on this account. The decision of Engineer-in-Charge regarding capacity shall be final.

Cement register for the cement shall be maintained at site. The account of daily receipts and issues of cement shall be maintained in register in the pro forma prescribed and signed daily by contractor or his authorized agent.

2. Special conditions for steel reinforcement bars:

(1) The CPWD/Contractor shall procure TMT bars of various grades from primary steel producers such as SAIL, TATA Steel ltd, RINL, Jindal Steel ltd and JSW steel ltd., or any other manufacturers listed in the list of JPC Kolkata having valid BIS license for IS: 1786-2008.

(2) The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.

(3) Samples shall also be taken and got tested by the Engineer-in -Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications. the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer in Charge to do so.

(4) The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or more as decided by the Engineer.

(5) The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

(6) For checking nominal mass, tensile strength, bend test, re-bend test, elongation etc. specimens of sufficient length shall be cut from each size of the bar random, and at frequency not less than that specified below:

Size of bar	For consignment below 100 tonnes	For consignment above 100 tonnes
Under 10 mm dia bars	One sample for each 25 tonnes or part there of	One sample for each 40 tonnes or part there of
10 mm to 16 mm dia bars	One sample for each 35 tonnes or part there of	One sample for each 45 tonnes or part there of
Over 16 mm dia bars	One sample for each 45 tonnes or part there of	One sample for each 55 tonnes or part there of

I - Nil O - Nil C - Nil

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(7) The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor.

(8) The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

(9) The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer in charge.

I - Nil O - Nil C - Nil

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LABOUR CONDITIONS

1. The Agency should Process the certificate of atleast 10 Employees are covered under the EPF & ESIC Act
2. The Agency has to inspect the premises & the area under this contract & quote rates accordingly for effective maintenance and nothing extra payable. The contractor shall make his own arrangements for equipment like Tools & plants for skilled and unskilled labours and trolleys, Black Plastic Carry bags to dispose the waste materials up to dust bin and other tools on his own arrangement, and Department will not issue any materials.. Under No circumstances the materials, debris to be thrown from different floors to ground floor directly. All the Debris to brought down by manually through stair case & lift shall not be used under any circumstances.
3. Some restrictions may be imposed by the security staff etc., on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
4. The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charge, which he may be liable.
5. The Agency has to arrange one supervisor to monitor the laboures deployed in different works under this contract and will report the day to day event to the JE/AE in-charge of work. The wages of supervisor to be loaded in proportion and nothing extra shall be payable on this account..
6. The work has to be carried out in the occupied Office premises. Hence, due care shall be taken not to disturb the existing installation and the occupancy. No extra shall be allowed on account of the above.
7. 1% Labour welfare cess will be recovered on total value of work done in each bill.
The cleaning work to be done to the satisfaction of Engineer - in – Charge after completion of day work.
8. The tenderer shall have to pay minimum wages to the labourer as prescribed / issued by the Deputy Chief Labour Commissioner (Central), Ministry of Labour and employment, , Government of India from time to time. Any tenderer quoted below the prescribed minimum wages shall have to give an undertaking to the Department for ensuring the minimum wages to the labourers. Minimum wages for unskilled person and skilled person and the payment to be made only by ECS or through Cheque. The wages shall be paid in the presence of junior / Asst. Engineer and every bill should accompany the wage register duly counter signed by the Junior Engineer / Asst. Engineer –in-charge. in order to verify the minimum wages are being paid by the agency. Unless the Wage register is submitted along with the bill no payment shall be made. The Same to be uploaded in WPMS on weekly basis.
9. Minimum wages to be ensured to workers as per latest minimum wages act. prevailing then. The wages are to be paid as per the minimum wages act circulated by the DLC, Government of India.
10. Whenever the repair works are on at the end of the periodical cleaning of surroundings, and staircase area shall be duly entered in the register and got signed by the authorized official from the service center / JE /AE in charge of

I - Nil O - Nil C - Nil

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the work, daily. In case of non satisfaction of cleaning the same will be recorded in the register on the respective day and recovery will be made

11. All safety measures in respect of labours deployed by the agency rest with the contractor and in case of any accident 100% responsibility lies with the contractor for any compensation payable to the worker.
12. Passport size of the photograph of the labours deployed by the agency along with the address proof mentioning name of the labours duly countersigned by the agency to be submitted by the agency to the Asst. Engineer in charge of the work at the time of commencement of work. Whenever labour deployed are changed the ID proof mentioned above to be submitted to Asst. Engineer in charge in order to update the database of the labour deployed in upkeeping the campus.

Executive Engineer

I - Nil O - Nil C - Nil

AE(P) /EE

**LIST OF APPROVED MAKE OF MATERIALS
(FOR CIVIL WORKS)**

Sl.No.	Materials	Vendors
1	Earth work	
1.1	Chlorpyriphos (Pre-construction treatment)	DE-NOCIL , Bayer
1.2	Damp proof material	Impermo, Duraseal, ACCO-proof
2	Concerte works	
2.1	Cement (OPC/PPC)	ACC, Ultratech, Coromandel
2.2	White cement	ACC, Birla , J.K white
2.3	Chemical Admixtures	MC Bauchemie, Pidilite , Sunanda chemicals, Sika , FOSROC, Choksey Chemicals
2.4	Expansion joint board	Supreme Industries, SIL FILL or equivalent
3	RCC Works	
3.1	Reinforcement steel	SAIL , TATA(TISCO) , RINL
4	Steel work	
4.1	Structural Steel	SAIL , TATA(TISCO), RINL, Jindal
4.2	M.S. Pipe, Tubes, Bar, Flats, Angle, Tee Sections	SAIL, TATA (TISCO)
5	Brick works	
5.1	AAC blocks	Xtralite from Ultratech, Aerocon from HIL, Siporex India limited,
5.2	Concrete blocks	
6	Wod & PVC Work	
6.1	Wooden Flush Doors	Kutty, Green ply, Century, Kit ply, Ravella door, Kailash, Shakthi
6.2	Water proof Ply	Green Ply, Garnet, Century, Kit Ply, Anchor
6.3	Commercial Ply.	Archidply, Century, Donear, Green Ply, Kitply, Anchor
6.4	Laminate	Greenlam Century, Merino, Royal Touch, Kitply, Formica, Decolam
6.5	Pre-laminated particle board-Exterior grade	Novopan/Merino/Green Lam/ Kittlam, Ecoboard Associated/Arclid ply/Century
6.6	Gypsum board	Saint Gobain, Lafarge, Boral Board, Armstrong
6.7	Melamine Polish	Asian paints, melamine Gold wood fin of Pidilite

I - Nil O - Nil C - Nil

AE(P) /EE

		Industries, Timbertone of ICI Dulux.
6.8.	Door Hardware	Dolma, Kich , Classic, Haffle, Ozone, Geze.
6.9.	Hydraulic door closers / Floor springs	Godrej, Hardwyn, Dolma, Everite.
6.10.	Locks / Latches	Dorset, Godrej, Harrison, plaza, yale
6.11.	Metalic Steel Fire Door	Shakti Met Door, Promat, Godrej
6.12.	Fire smoke Seal	Hilti, Raven
6.13.	Fire Rated Hardware	Dorma, Ingersolrand, Geze
6.14.	Non Metalic Fire Door	Shakti Met Door, Naviar / Promat, Godrej
6.15.	Stainless steel screws for fabrication and fixing of windows.	Kundan/puja/Atul
6.16.	Butt Hinges openable Window shutters	Haffle , Alu Alpha
6.17.	Mild Steel Butt Hinges/ Piano Hinges	Jolly, Garg, AMIT,Jyoti
6.18.	Nuts Bolts/ Screws	Kundan, Puja, Atul
6.19.	Concealed Tower Bolt	Dorma, Ingersolrand, Alu Alpha
6.20.	Acoustic Insulation	U.P. Twiga Ltd, Lloyd Insulation, Saint Gobain,
6.21.	Glass/ reflective Glass	Saint Gobain, Asahi, Pilkington, Glaverbel
6.22.	Clear Float Glass	Saint Gobain, Asahi, Pilkinton
6.23.	Source for tempering Refl.Glass / Clear	FUSO, Saint Gobain, Gurind, Impact Safety
6.24.	Fire rated Glass	Pyoswiss of Saint Gobain, pyran of schott, pilkington
7	Flooring	
7.1	Vitrified Tiles	As;ian, NITCO, RAK, Restile, Kajaria, Somany
7.2	Glazed Ceramic Tiles	NITCO, RAK, Kajaria, Somany, Asian
7.3	Synthetic sports flooring	Armstrong, LG, Wonder floor
7.4	Linoleum sports flooring	Armstrong, Forgo, Gerflo
7.5.	False Floor	Hewetson, Unifloor, Unitile, kebao, Pinnacle
7.6	Engineered wood flooring	Armstrong, wernel, Pergo
7.7	Floor Springs(for Non-DSR items)	Dorma , Ingersoland , GEZE
7.8	Cement Concrete Parking tiles	NITCO, Poddar, Eurocon, Dazzle ultra.
7.9	Interlocking Concrete Blocks	Ultra, Shree, Hindustan Tiles, Vyara Tiles Pvt., Ltd. Nitco
7.10.	High Density fibre (HDF) Pre-Laminated board	Pergo, Armstrong
7.11.	Synthetic Carpet Tiles	TOLI, Hollitex, Standard Carpets

I - Nil O - Nil C - Nil

AE(P) /EE

8	Finishing	
8.1	Paint/primer/oil bound distemper Acrylic paint	Asian Paints, ICI Dulux, Nerolac, Berger, Jotun
8.2	Water proof cement paint	Snowcem India Ltd, Asian Paints, Berger,
8.3	Synthetic enamel paint	Berger, Nerolac, Asian, ICI
8.4	Cement based wall putty	JK wall putty, Birla wall case, Asian Paints, Altek.
8.5	Acrylic textured plaster	Asian Paints, Spectrum paints, Heritage.
8.6.	Ready mix Cement plaster	Wall plast, Ultretech, Madras cement Ltd.
8.7.	Melamine polish	Asian paints, wodfin Timberstone, Polycure
8.8	Fire Retardant paint	Jotun, Hilti, Akzonobel
8.9	Mirror Glass	Modi Guard, Saint Gobain, Asahi, Atul
8.10.	Anti Corrosive Bitumastic Paint	Asian / Berger / Shalimar
8.11.	Epoxy Paint	Asian /Berger /Shalimar
8.12.	Epoxy Coating	BASF , Forsoc , Laticrete
8.13.	Silicon coating	Dowcorning, BASF, GE, Wecker
9	Aluminium Work	
9.1	Aluminium Systems / Anodized aluminum fittings for doors / windows / windows	Schueco, Bhoruka, Kawneer, Hardima, Everite, Sigma
9.2	Aluminium Fittings	Classic, crown, Jyoti
9.3	Aluminium Sections	Hindalco / Jindal / Bhoruka / Indal
9.4	Friction stay hinges	Earl-Bihari
9.5	E.P.D.M. Gaskets	Anand / Roop / Bohra / Hanu / Ameer Rubber
9.6	Silicon Gaskets	Sree Gaurav, Roop
10	Water Proofing	
10.1	Water proofing compound	Fosroc, Sika, Pidilite, CICO, Impermo, Acco proof
10.2	Membrane Waterproofing system	BASF, STP limited, Texsa, WR Grace, Pidilite, Hydro tech ltd.
10.3	Chemical Waterproofing system	BASF, MC-Bauchemie, Sika, Sunanda Specialty Coatings, Perma Construction Aid Pvt. Ltd. Forsoloc, Pidilite
10.4	Water stops	Hydrotite, BASF, Hydrowell
11.1	PVC Perforated Pipes	Rex Polyextrusion Ltd, Akash Enterprises, Zenplas Pipes Pvt. Ltd
11.2	Play equipments	Koochie Play, Playworld Systems
12	Miscellaneous	

I - Nil O - Nil C - Nil

AE(P) /EE

12.1	Structural Sealant	Dow Corning, Wacker, GE, Fowroc, BASF
12.2	Polysulphide sealant	Pidilite, Chemetall-Raj, Fosroc, choksey chemicals, Tuff seal
12.3	Bitumen Impregnated Board	Shalitek or equivalent
12.4	Polyethylene backer rod	Supreme Ind. Ltd. Or equivalent
12.5	Epoxy	Fosroc / STP / CICO / Ardex
12.6	False Ceiling Members(Perimeter, ceiling section, intermediates, angles etc.)	Armstrong, Gyp. Steel of India Gypsum Ltd (Saint Gobain)
12.7	Welding rod	ADVANI, Esab
12.8	Metal Deck sheet	TATA, SAIL
12.9	Shear Stud / Connector	KOCO or equivalent
12.10.	Clamp. Rebar, Chemical fastener	Hilti, Fischer, Wurth
12.11.	Anchor Fasteners / bolts	Hilti, Fischer, Halfen
12.12.	Masking Tapes	3M, Sun Control, Wonder Polymer
12.13.	Dash Fasteners	Hilti, Fischer, Anchor, Kundan.
12.14.	Stainless Steel Bolts, Washers and Nuts	Kundan / Puja / Atul , Hilti
12.15.	Stainless Steel Pressure Plate Screws	Kundan / Puja / Atul
12.16.	Stainless Steel Friction Stay hinges	Hetich , Haffle , Securistyle , Earl Bihari, ROTO
12.17	Weather Silicon make and grade	Dow Corning / Momentive (GE)
12.18	Structural Silicon	Dow Corning / Momentive (GE)
12.19.	GRC Jali	Terraforma , Ecovision & Mahesh GRC
12.20.	Stainless Steel	Salem , Jindal , SAIL
12.21.	Polycarbonate Sheet	Danpalon , Alcox , Polygal , V.A. Corporation , Joy Fab, Yadav Engineering
12.22.	Post tensioning system	CRUX , VSL , Utracon , BBR
12.23	PT Strands	DP Wires , Tata , Usha Martin
12.24	Adhesive	Dunlop, Vamorganic, Sika, Forsoloc
12.25	Grouts	Balendura, Lativete, Kerakoll, Weber
12.26.	Solar studs / Median markers	3M, Avery Dennision, Nikkalite
12.27.	Polycarbonate Convex Mirrors, Rubberised road hump	Unique safety solutions
12.28.	Air transfer grills	Cool grills Pune, Systemair India
13	Public Health Engg.	

I - Nil O - Nil C - Nil

AE(P) /EE

13.1	Vitreous Commodes / wash basin	Hindware, Roca, Parryware, Kohler
13.2	Water supply fixtures / fittings like bib cocks, shower panels	Jaguar, Parryware, Kohler
13.3	GI Pipes	TATA, Zenith, Jindal.
13.4	GI pipe fittings	Zoloto, Unik, HB, ICS
13.5	RCC Pipes	Indian Hume Pipe, Al-Hume pipe , Madurai spun pipes, Jain & Co.,
13.6	Ductile Iron covers & gratings	Neco or approved equivalent
13.7	Ductile Iron pipes	Lanco, Jindal, Kesoram, Electrosteel,
13.8	DI fittings	Electrosteel, Kartar
13.9	SCI pipes	Neco Kesoram, electrosteel
13.10.	SWR PVC pipes and fittings	Supreme, Astral , Finolex, Prince.
13.11	CPVC pipe and fittings	Supreme, Astral , Finolex, Prince.
13.12	UPVC pipes	Supreme, prince, Finolex
13.13	Water supply valves	Zoloto, RB Leader , ARCO
13.14	Kitchen sinks	Nirali or Hindware , Johnson , Franki Diamond
13.15	CI Manhole cover	Neco , BIC
13.16.	SFRC Cover and grating	Kutty , KK , Advent , Newtech
13.17.	Air release valves	Kirloskar, RBM, Kartar
13.18	CI double flange sluice valve	Kirloskar , RBM , Kartar
13.19.	Plastic Encapsulated Foot Rest	KK India , KGM , Accurate Buildcon
13.20.	Gun Metal valves	Zolto , leader , sant , Andco India
13.21.	CI Double flanged sluice valves	Kirloskar , IVS , BURN , Zoloto , Leader
13.22.	CI Double flanged Non-return valves	Kirloskar
13.23.	Thermal insulation treatment	Pidilite, BASF
13.24	Glass mosaic tiles	Italia, Palladio, Bisazza
13.25	Sandwich PUF paneled roofing sheets	Lloyd Insulation (India) Ltd., Zindal Mectec Pvt Ltd.

I - Nil O - Nil C - Nil

AE(P) /EE

Receipt for deposition of Original EMD

(Receipt No..... / date))

NAME OF WORK: **Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai.**

- 1. N.I.T. No : **75/2018-19/CCD-I/Chennai**
 - 2. Last date of submission of bid : **14 .12.2018**
-

- 1. Name of Contractor.....
- 2. Form of EMD.....
- 3. Amount of EMD Deposit.....
- 4. Date of submission of EMD.....

Signature of EMD receiving Officer along with Office Stamp

I - Nil O - Nil C - Nil

AE(P) /EE

SCHEDULE OF QUANTITIES					
Name of work:-Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai.					
Sl.No.	Description of Items	Qty	Unit	Rate	Estimated Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1	All kinds of soil.	2	cum	218.60	437
2	Supplying and stacking of good earth at site including royalty and carriage upto 5 km complete (earth measured in stacks will be reduced by 20% for payment).	65	cum	436.87	28397
3	Supplying and filling in plinth with Quarry dust under floors, including watering, ramming, consolidating and dressing complete.	32	cum	1185.85	37947
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
4.1	1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size).	30	cum	5529.43	165883
5	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				

I - Nil O - Nil C - Nil

AE(P) /EE

5.1	1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	0.50	cum	9183.29	4592
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	6	cum	9709.29	58256
7	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
7.1	Suspended floors, roofs, landings, balconies and access platform	15	sqm	554.78	8322
7.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	30	sqm	450.47	13514
7.3	Columns, Pillars, Piers, Abutments, Posts and Struts	30	sqm	614.61	18438
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
8.1	Thermo-Mechanically Treated bars of grade Fe-500 D or more.	600	Kg	74.36	44616
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
9.1	Cement mortar 1:6 (1 cement : 6 coarse sand)	16	cum	6957.30	111317
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 5 in superstructure above plinth level up to floor V level.				
10.1	Cement mortar 1:4 (1 cement :4 coarse sand)	50	sqm	855.74	42787

I - Nil O - Nil C - Nil

AE(P) /EE

11	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
11.1	Second class teak wood	0.15	cum	121836.54	18275
12	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
12.1	Second class teak wood				
12.1.1	35 mm thick shutters	10	sqm	3347.50	33475
13	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick :				
13.1	Second class teak wood	10	sqm	2676.07	26761
14	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
14.1	Fixed to steel windows by welding	640	kg	137.48	87987
15	Providing and fixing bright finished brass butt hinges with necessary screws etc. complete :				
15.1	125x85x5.5 mm (heavy type)	16	each	270.56	4329
16	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :				
16.1	250x10 mm	6	each	411.45	2469

I - Nil O - Nil C - Nil

AE(P) /EE

17	Providing and fixing bright finished brass night latch of approved quality including necessary screws etc. complete.	2	each	1043.80	2088
18	Providing and fixing bright finished brass handles with screws etc. complete:				
18.1	125 mm	8	each	224.91	1799
19	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	4	each	112.78	451
20	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	2	each	510.24	1020
21	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc.				

I - Nil O - Nil C - Nil

AE(P) /EE

	Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately) Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.				
21.1	Two track two panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm upto 2.50 sqm).	40	sqm	7653.68	306147
22	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
22.1	Hot finished welded type tubes	1000	kg	118.56	118560
23	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	25	kg	89.33	2233
24	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
24.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	500	kg	86.44	43220

I - Nil O - Nil C - Nil

AE(P) /EE

25	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
25.1	Light shade pigment using white cement	20	sqm	1191.20	23824
26	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
26.1	Size of Tile 600x600 mm	225	sqm	1470.56	330876
27	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	70	metre	135.71	9500
28	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer- in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	350	sqm	723.06	253071

I - Nil O - Nil C - Nil

AE(P) /EE

29	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
29.1	Ridges plain (500 - 600mm)	35	metre	473.52	16573
29.2	Flashings/ Aprons.(Upto 600 mm)	70	metre	437.20	30604
30	12 mm cement plaster of mix :				
30.1	1:6 (1 cement: 6 coarse sand)	45	sqm	221.03	9946
31	15 mm cement plaster on rough side of single or half brick wall of mix:				
31.1	1:6 (1 cement: 6 coarse sand)	160	sqm	255.65	40904
32	6 mm cement plaster of mix :				
32.1	1:3 (1 cement : 3 fine sand)	50	sqm	188.91	9446
33	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
33.1	Water thinnable cement primer	300	sqm	48.54	14562
34	Finishing walls with Acrylic Smooth exterior paint of required shade :				
34.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	300	sqm	126.18	37854
35	Applying priming coat:				
35.1	With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	30	sqm	45.91	1377
36	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :				
36.1	Two or more coats on new work	300	sqm	110.94	33282
37	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
37.1	Two or more coats on new work	180	sqm	102.99	18538

I - Nil O - Nil C - Nil

AE(P) /EE

38	French spirit polishing :				
38.1	Two or more coats on new works including a coat of wood filler	30	sqm	275.55	8267
39	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	500	sqm	114.75	57375
40	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	450	sqm	14.19	6386
41	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In- Charge.	20	sqm	484.62	9692
42	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
42.1	In cement mortar	4	cum	1107.12	4428
43	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
43.1	Of area beyond 3 sq. metres	24	each	284.28	6823
44	Dismantling wood work in frames, trusses, purlins and rafters up to 10 metres span and 5 metres height including stacking the material within 50 metres lead :				
44.1	Of sectional area 40 square centimetres and above	6.10	cum	2525.52	15406

I - Nil O - Nil C - Nil

AE(P) /EE

45	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:				
45.1	Asbestos sheet	320	sqm	43.16	13811
46	Providing and fixing glazing in UPVC door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
46.1	With float glass panes of 5 mm thickness	45	sqm	1166.30	52484
47	Filling the gap in between aluminium/ UPVC frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
47.1	Upto 5mm depth and 5 mm width	150	metre	82.04	12306
12.52	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm				
	made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel				

I - Nil O - Nil C - Nil

AE(P) /EE

	<p>to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>				
	<p>GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece.</p>	210	sqm	1529.02	321094
49	<p>Disposal of building rubbish / malba/dry leaves similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 15 Km lead, for all leads including all lifts involved.</p>	50	cum	260.61	13031

I - Nil O - Nil C - Nil

AE(P) /EE

50	Deduct for taking away dismantled G.I/PVC pipe, Door and windows shutter etc., all complete as per direction of Engineer in Charge. The dismantled material shall be the property of the contractor and including grill . (The doors/windows of area upto 3.0sqm shall be considered as one number and above 3.0sqm upto 6.0sqm as two numbers and part thereof)				
50.1	AC sheet	320	sqm	-30	-9600
50.2	Wood frames	6.10	cum	-2000	-12200
50.3	Door & window shutters	24	each	-200	-4800

Contractor

EXECUTIVE ENGINEER
CCD-I/CPWD/CHENNAI.6

I - Nil O - Nil C - Nil

AE(P) /EE



Central Public Works Department



N.I.T. No: 75/2018-19/CCD-I/CHENNAI

Name of work:- Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .

SCHEDULE = QUANTITY O

Name of the Contractor					
Sl.No.	Name of component	Estimated cost (Rs)	Percentage above or below the estimated cost	% in Figures	Total Cost (Rs)
1	2	3	4	5	6
1	Renovation of shed opposite to account section for packing materials and diluents of vaccine at GMSD, Periamet, Chennai. .		At par		

1. The Column Nos 4&5 are mandatory to be filled by the bidders/ tenderers. If all these columns are left blank, the tender become invalid.

2. The amount in figures in column No.6 shall appear automatically corresponding to the percentage quoted in column No.4 & 5.

3. The tenderer is need to quote the percentage only above or below or at par with the estimated cost to cover all the rates of item covered under the respective packages.

I - Nil O - Nil C - Nil

AE(P) /EE

4. The percentage shall be written in 2 (two) place of decimal.
5. If the percentage selection in column No 4 is " At Par", by default the percentage will be considered as " Zero" only. In other words if "At par" is selected in column No.4, then no need to fill column No.5
6. The rate for the payment of each item will be - measured quantity x estimated cost of that particular item x tender percentage corresponding package respectively.

Signature of Contractor

Executive Engineer, CCD-I

I - Nil O - Nil C - Nil

AE(P) /EE