



सत्यमेव जयते

भारतसरकार

Government of India

केन्द्रीयलोकनिर्माणविभाग

Central Public Works Department

INDEX

Name of Work: Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical]
 SH-I : Repair and renovation of Rooms with flooring and painting.
 SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.

NIT NO.: 106/NIT/EE-KOL-III/CPWD/2026-2027

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Certified that this Tender contains Page No. 01 to 96 (excluding this index page) and Schedule of Quantity from Page No. SOQ (C)- 1 to SOQ (C)-4 for Civil work and Page No. SOQ(E)-1 to SOQ(E)-4 for Electrical work

This NIT is approved for ₹ 61,21,379.00 (Rupees Sixty-One Lakh Twenty-One Thousand Three Hundred Seventy-Nine) only.

Senior Draughtsman
Kolkata-III, CPWD
Salt Lake, Kolkata-64

Assistant Engineer(P)
Kolkata-III, CPWD
Salt Lake, Kolkata-64

Executive Engineer
Kolkata-III, CPWD
Salt Lake, Kolkata-64

PART – A : General Information

Information and Instruction for Bidders for e-Tendering forming part of Bid Document and to be uploaded on e-Tenders Web Site.

The Executive Engineer, Kolkata-III, CPWD, Salt Lake, Kolkata on behalf of President of India invites on line **percentage rate tenders** from CPWD Enlisted Contractors of appropriate class in composite category for the following work mentioned below: -

Sl. No.	N.I.T No.	Name of work & Location	Estimated Cost put to bid	Earnest Money	Period of Completion	Last date & time of submission of bid, original EMD, copy of receipt or deposition of original EMD and other documents as specified in the Press Notice.	Time & date of opening of bid
1	2	3	4	5	6	7	8
1	106/NIT/EE-KOL-III/CPWD/2026-2027	Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical] SH-I: Repair and renovation of Rooms with flooring and painting. SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.	₹ 41,30,735.00 (Civil work) +Rs.19,90,644.00 + Electrical work) Total Rs. 61,21,379.00	1,22,428.00	03 (Three) Months	Up to 03:00 PM on 21.08.2026	At 3.30 PM on 21.08.2026

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 document.
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 <https://etender.cpwd.gov.in> or <https://eauction.cpwd.gov.in> or <https://www.cpwd.gov.in> **free of cost.**

4. But the bid can only be submitted after depositing processing fee in favour of ITI Limited and uploading the mandatory 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 respective Executive Engineer and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid class-III digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractors can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered; it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, **rate of such item shall be treated as "0" (ZERO)**.
10. The EMD can be paid in the form of Demand Draft or Pay Order or Banker's Cheque or Deposit at call receipt or Fixed Deposit Receipts along with Bank Guarantee of any Scheduled Bank wherever applicable. The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt/Pay Order/Banker's Cheque/Bank Guarantee number, amount and date. As per the new system, the amount of EMD can be paid by multiple Demand Draft/Pay Order/Banker's Cheque/Deposit at Call receipt/Fixed Deposit Receipts along with multiple Bank Guarantee of any Scheduled Bank if EMD is also acceptable in the form of Bank Guarantee.
11. It is mandatory to upload scanned copies of all the documents including GST Registration as stipulated in the bid document. If such document is not uploaded the bid will become invalid and processing fee shall not be refunded.
12. If the contractor is found in eligible after opening of his bids, his bid shall become invalid and processing fee shall not be refunded.
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 contractor, the bid shall become invalid and processing fee shall not be refunded.

13. List of Documents to be scanned and uploaded within the period of bid submission:

1	Enlistment Order of the Contractor.
2	Treasury Challan/Demand Draft/Pay Order or Banker's Cheque/ Deposit At Call Receipt/FDR/Bank Guarantee of any Scheduled Bank against EMD. (Drawn in favour of Executive Engineer, KCD-III, CPWD, Kolkata) (Short name shall not be accepted).
3	Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, CPWD (The EMD document shall be issued from the place in which the office of receiving division office is situated).
4	Contact details of the Contractor in separate sheet: a) Mailing Address – b) Contact phone/mobile No. – c) E-mail ID No. -
5	GST registration certificate , if already obtained by the bidder. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents. "If work is awarded to me, I/we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any Payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard."
6	<i>Valid electrical license in the name of agency or an undertaking to associate an agency having valid electrical license of appropriate voltage in its name issued by the State Government concerned under Section 45 of the Indian Electricity Rules, 1956 as amended from time to time, for execution of work which requires such a license. Such associate agency shall keep valid electrical license throughout the period of execution of work by getting it renewed at suitable intervals. In the event of any default on the part of the contractor in this regard, he/she is liable to be debarred.</i>
7	ERP (Enterprise Resource Planning) training certificate issued by the CPWD Regional Training Institutes (RTIs) of the contractor or his authorized representative.
8.	An affidavit on Rs.100.00(One hundred) rupees stamp paper duly attested by notary is to be uploaded as regard to that "I/we have not been debarred/suspended for tendering in CPWD till the last date of submission of bid"
9	ESIC & EPFO Registration Certificate

Note: If the above-mentioned documents are not scanned and uploaded within the period of bid submission the bid shall be treated as invalid and cancelled.

**Executive Engineer Kolkata-III,
CPWD, Salt Lake, Kolkata**

CPWD-6 FOR e-TENDERING

- 1.1 **Percentage rate bids** are invited on behalf of President of India from CPWD Enlisted Contractors of appropriate class in composite category for the following work mentioned below :-

Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical]

SH-I : Repair and renovation of Rooms with flooring and painting.

SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.
- 1.2 The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
- 1.3 The work is estimated to cost Rs 41,30,735.00 (Civil work) +Rs.19,90,644.00 +Electrical work) Total Rs. 61,21,379.00. This estimate, however, is given merely as a rough guide.
- 1.4 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidder on prescribed Form **CPWD-7**, which is available as a Govt. of India Publication and also available on website <https://etender.cpwd.gov.in> or <https://eauction.cpwd.gov.in> or <https://www.cpwd.gov.in>. Bidders shall quote their rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **03 (Three) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work shall be made available in phased manner.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website <https://etender.cpwd.gov.in> or <https://eauction.cpwd.gov.in> or <https://www.cpwd.gov.in> free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. Earnest money in the form of Treasury Challan or Demand Draft or Pay order or Banker`s Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (**Drawn in favour of Executive Engineer, KCD-III, CPWD, Kolkata**) (**Short name shall not be accepted**) shall be scanned and uploaded to the e-tendering website within the period of Bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, 50% of earnest money or Rs. 20 lac, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any scheduled bank which is to be scanned and uploaded by the intending bidders.

The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected and enlistment of the agency shall be withdrawn by the enlisting authority.

The following undertaking in this regard shall also be uploaded by the intending bidders :-

Interested contractor who wish to participate in the bid has also to make following payments within the period of bid submission.

Copy of Enlistment Order and certificate of work experience and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only along with physical EMD of the scanned copy of EMD uploaded within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited e-Tender Processing Fee with M/s ITI Limited and Earnest Money Deposit and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 03:30 PM on 21.08.2026.

9. The bid submitted shall become invalid and e-Tender processing fee shall not be refunded if :
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload all the documents (including service tax registration/VAT/GST registration **or** proof of applying for obtaining GST registration/Sales Tax registration) as stipulated in the bid document.
 - (iii) 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.
 - (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
11. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the bided amount within the period specified in Schedule F. This guarantee shall be in the form of cash or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (in Case guarantee amount is less than Rs. 1, 00,000/-) or 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 bid 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 & BOCW Welfare Board and Programme chart (time & progress) within the period specified in schedule F.**
12. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil

(so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder 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 bidders 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 bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in 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 officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior 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 bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a **period of 30 (Thirty) days** from the date of opening of bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any Modifications in the terms and conditions of the bid 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 bidder shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates 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.
20. Sales Tax, Purchase Tax, Turnover Tax/VAT/GST on Works Contract tax, VAT/GST or any other tax on materials, statutory charges (except Service Tax), duties, West Bengal Maintenance Worker's Welfare Cess, Education Cess, etc. shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same.
21. Integrity Pact shall be treated in the same manner as other components of the bid document. In e-tendering, the intending bidder does not sign any document physically and entire bid document is submitted through digital signature. Since Integrity Pact is a part of bid document no separate physical submission is required with other documents to be submitted at the office of tender opening authority. In addition to other component of bid document, the Integrity Pact along shall also be signed between Executive Engineer and successful bidder after acceptance of bid.
22. The bid for the works shall remain open for acceptance for a **period of 30 (Thirty) days** from the date of opening of bid. Further
- (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (ii) If any tenderer withdraws his tender or makes any modifications in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
 - (iii) In case of forfeiture of earnest money as prescribed in Para (i) and (ii) above, the bidders shall not be allowed to participate in there-bidding process of the same work.

Executive engineer
KCD-III, CPWD, Kolkata-64

Receipt of Deposition of Original EMD

(Receipt No. Date)

1. Name of work : Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work).
[Civil + Electrical]
SH-I : Repair and renovation of Rooms with flooring and painting.
SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.
2. NIT NO. : **106/NIT/EE-KOL-III/CPWD/2026-2027**
3. Estimated Cost : **Rs 41,30,735.00 (Civil work)
+Rs.19,90,644.00 + (Electrical work) Total Rs. 61,21,379.00**
4. Amount of Earnest Money deposit : **Rs. 1,22,428.00**
5. Last date of submission of bid : **21.08.2026 up to 03.00 P.M. ***

(* To be filled by Executive Engineer)

6. **Name of contractor** :
.....
7. **Form of EMD** :
8. **Amount of Earnest Money deposit** :
.....
9. **Date of submission of EMD** :

**Signature, Name and Designation
of EMD receiving officer (EE/AE/AAO)
along with Office stamp.**

Contact details of the Contractor:

- c) **Mailing Address –**
- d) **Contact phone/mobile No. –**
- c) **E-mail ID No. –**

CPWD-7
CENTRAL PUBLIC WORKS DEPARTMENT

STATE: West Bengal
 BRANCH: B & R

ZONE: CE, KOLKATA

Division: EE-KOL-III
 Sub-Division: **AE-I**

Percentage Rate e-Tender & Contract for Works

Tender for the work of:-

Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical]
 SH-I : Repair and renovation of Rooms with flooring and painting.
 SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.

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.

I/We agree to keep the tender open for **30 (Thirty) days** from the due date of its opening and not to make any modifications in its terms and conditions.

A sum of ₹ **1,22,428.00** is hereby forwarded in cash / in Receipt Treasury Challan/Deposit at Call Receipt of a Scheduled Bank / Fixed Deposit Receipt of a Scheduled Bank/Demand Draft of a Scheduled Bank / Bank Guarantee issued by a Scheduled Bank as **Earnest Money**. 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 his 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 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 rates 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 undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back-to-back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated

Signature of Contractor:

Witness: #

Postal Address: #

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...*.....).

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

*
*
*

For & on behalf of the President of India.

*

Signature:

Dated: *

Designation:

* To be filled by EE

To be filled by the contractor

PROFORMA OF SCHEDULES (Civil)

(Separate proforma for Civil, Elect. & Hort. Works in case of Composite Tenders)
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (as per PWD-3) attached from page No. SOQ- 1 to 4 (Civil) SOQ-1 to 4 (Electrical).

Schedule of materials to be issued to the contractor

Sl.No.	Description of item	Quantity	Rates 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
.....NIL.....			

SCHEDULE 'D'

Extra schedule for specific : Special Conditions, Particular Specifications conditions requirements/documents for the and /documents for the work, if any, attached herewith work, if any. vide Page No. **30-37**.

SCHEDULE 'E'

Reference to General Conditions of contract. : **GCC 2023 For MAINTENANCE WORKS (As modified & corrected up to date).**

NAME OF WORK: Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical]
SH-I : Repair and renovation of Rooms with flooring and painting.
SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.

Estimated cost of work: : **Rs 41,30,735.00 (Civil work) + Rs.19,90,644.00 + (Electrical work) Total Rs. 61,21,379.00**

i) Earnest money : **Rs. 1,22,428.00**

ii) Performance Guarantee : **a) 5% of the tendered value or Estimated cost put to tender (ECPT) whichever is higher.**
b) Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Put to Tender (ECPT), the Performance Guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

iii) Security Deposit : 2.5% of tendered value.
OR
2.5% of tendered value plus 50% of PG for contracts involving MAINTENANCE of the building and

services/ other work after Maintenance of same building and services/other work.

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit Govt. at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount of each running & final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work.

SCHEDULE 'F'

GENERAL RULES & DIRECTIONS:

Officer inviting tender : Executive Engineer, Kolkata-III, CPWD,
Salt Lake, Kolkata – 700064.

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

Definition

- i) Engineer-in-Charge : Executive Engineer, Kolkata- III, CPWD,
Salt Lake, Kolkata – 700064.for Civil work
Executive Engineer (E), Kolkata- I, CPWD,
Nizam Palace, Kolkata – 700020.for Electrical work
- ii) Accepting Authority : Executive Engineer, Kolkata-III, CPWD,
Salt Lake, Kolkata – 700064.
- iii) Percentage on cost of material and labour to cover all overheads and profits. : 15%
- iv) Standard Schedule of Rates : **DSR 2023(Civil) DSR-2022(Electrical)** & MR with up-to-date correction slips
- v) Department : Central Public Works Department.
- vi) Standard CPWD contract Form : **C.P.W.D. FORM 7/8 GCC 2023 For MAINTENANCE WORKS (as modified & corrected up to date).**

Clause 1

- i) Time allowed for submission of Performance Guarantee Programme Chart (Time& progress) and applicable labour licenses, registration with EPFO, ESIC & BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance, in days. : 7 (Seven) days

- ii) Maximum allowable extension : 3 (Three) days
with late fee @ 0.1% per day
of Performance Guarantee
amount beyond the period
provided in (i) above in days.

Clause 2

Authority for fixing compensation : Chief Engineer, Kolkata
under clause-2

Clause 2A

Whether Clause 2A shall be : No
applicable

Clause 5

- (i) Number of days from the : 10 (Ten) days
date of issue of letter of
acceptance for reckoning
date of start.
- (ii) Time allowed for : 03 (Three) Months.
execution of work.

Clause 5.2 Delay due to reasons beyond the control of both parties	
Nature of Hindrance Register	<i>As per OM No. DG / MAN / 394 dated – 28/01/2020 as amendments issued up to last date of submission of bid.</i>

Mile stone(s) of the work as per table given below:

Sl.No	Financial progress	Time Allowed (From date of start)	Amount to be with-held in case of non-achievement of milestone
1	Full work	03 (Three) Months.	In the event of not achieving the necessary progress as assessed from the running payment 5% of the tendered value of work will be withheld for failure of milestone.

Time allowed for execution of work : 03 (Three) Months

Authority to decide :

- i) Extension of time : Executive Engineer, In-charge of work.
- ii) Rescheduling of milestones : Applicable.
- iii) Shifting of Date of Start in case of delay in handing over of site : Executive Engineer, In-charge of work.

Clause 6

: Applicable

[Electronic Measurement Book (EMB)
through CPWD ERP portal]

Clause 7

Gross work to be done together with net : ₹ 20.41 Lac.
 payment/adjustment of advances for material collected if any, since the last such payment for being eligible to interim payment.

Clause 7A**Whether clause 7A shall be 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 are submitted by the contractor to the Engineer-in-charge.

: Yes, applicable.

Clause 10A**List of testing equipment to be provided by the contractor at site Lab :**

-----As required during execution of work.-----

Clause 10B(ii)

Whether Clause 10B (ii) shall be applicable

: Not applicable.

Clause 10 C

: Not applicable.

Clause 10 CA

: Not applicable.

Sl. No.	Materials Covered under this clause :	Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be followed:	Base Price of all the materials covered under clause 10 CA (w.e.f. November, 2023) (Rate without GST)
1	Cement a) PPC		
2	Reinforcement TMT Bars (Fe-500D) a) (Primary Producer)		
3	a) Structural Steel		

Clause 10 CC: Not Applicable.

Clause 11 Specifications to be followed for execution of work. : C.P.W.D. Specifications 2019 Vol-I to II with up-to-date Correction Slips issued up to the last date of receipt of tender and additional conditions and Specifications as attached in the Tender.

Clause 12 **Type of Work:** : **Maintenance Civil & Electrical work**

Clause: 12.2 & 12.3 Deviation limit beyond which clause 12.2 and 12.3 shall apply for building work excluding foundation. : **For all MAINTENANCE Works:**
No limit.

Clause 12.5 (i) Deviation Limit beyond which : --- do ---
 clauses 12.2 & 12.3 shall apply

for foundation work (except earth work)

(ii) Deviation Limit for items in : --- do ---
earth work subhead on DSR or related items.

Gross Value of work done : As per GCC-2023 Maintenance work with up to date correction slip.

Clause 12.6 Labour Rates : Labour rates will be based on latest available circulars issued by Central Govt. or State Govt. whichever are higher as well as applicable for the work.

Clause 16 Competent Authority for deciding reduced rates: **Chief Engineer, Kolkata, CPWD, Nizam Palace, Kolkata – 700020 or successor thereof.**

Clause 18 List of mandatory machinery, tools & plants to be deployed by the contractor at site: -

1	Cube testing machine.	As per requirement and directed by the Engineer-in-Charge
2	Weight balance of required capacity with required brass and iron weight	
3	Mixture Machine for cement concrete or cement mortar.	
4	Slide calipers and screw gauge for measuring thickness	
5	Plumb bob, Steel tape, Vernier Calipers, Spirit level, wire gauge disc, screw driver, Moisture meter.	
6	All T & P required for wood work at site for doors & windows.	

Clause 19 Labour laws to be complied by the contractor as per OM No. DG/CON/Maintenance 2023/07 dated 05-03-2024.

Clause 19C Authority to decide penalty for each default: Executive Engineer-Kolkata - III, CPWD, Salt Lake, Kolkata or successor thereof.

Clause 19D Authority to decide penalty for each default: Executive Engineer-Kolkata - III, CPWD, Salt Lake, Kolkata or successor thereof.

Clause 19G Authority to decide penalty for each default: Executive Engineer-Kolkata - III, CPWD, Salt Lake, Kolkata or successor thereof.

Clause 19K Employment of skilled / semi-skilled workers. **Applicable.**

Clause 25 Constitution of Dispute Redressal Committee (DRC):

(i) Conciliator: **Special Director General (Kolkata) or successor thereof.**

(ii) Arbitrator appointing authority: **Chief Engineer, Kolkata, CPWD, Nizam Palace, Kolkata – 700020 or successor thereof.**

(iii) Place of Arbitration: **Kolkata.**

Clause 32: Requirement of Technical Representative(s) and recovery Rate

Sl. No	Minimum Qualification of Technical Representative	Designation of Technical Staff	Minimum experience	Number (of Major + Minor component)	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 36(i)
1	Graduate Engineer (Civil) Or Diploma Engineer (Civil)	Project Manager cum Planning/ Quality/Site/Billing Engineer	2 years or 5 years respectively	1 No	Rs. 15,000/- per month per person.

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

- Clause 38** (i) (a) Schedule/statement for determining : **D.S.R. 2023** with theoretical quantity of cement and bitumen. correction slips up to day previous to the last date of submission of bids.
- (ii) Variations permissible on theoretical quantities:
- a) Cement
For works with estimated cost put to tender **not** more than Rs.25 lakhs. : 3% plus/minus.
For works with estimated cost put to tender : 2% plus/minus.
more than Rs.25 lakhs.
- b) Bitumen for all works. : 2.5% plus only & Nil on minus side.
- c) Steel Reinforcement and structural steel : 2% plus / minus.
sections for each diameter, section and Category.
- d) All other materials : NIL

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor Base Price in Schedule ‘F’ plus 10%.	
		Excess beyond Permissible variation	Less use beyond the permissible variation
----- Not Applicable -----			

On non-judicial stamp paper of minimum Rs. 100

(Guarantee offered by Bank to CPWD in connection with the execution of contracts)

**Form of Bank Guarantee for Earnest Money Deposit
/Performance Guarantee/Security
Deposit/Mobilization Advance**

As per DG/CON/311 Dated 20.10.2023

1	Where as the Executive Engineer, (name of division) CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT number). dated for (name of work) The Government has further agreed to accept Irrevocable Bank Guarantee for Rs. (Rupees.....only) valid upto .(date)* as Earnest Money Deposit (name and address of contractor) (hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.
	OR'*
	Whereas the Executive Engineer (name of division), CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number with (name and address of the contractor) (hereinafter called "the Contractor") for execution of work (name of work) The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. (Rupees only) valid upto (date) as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.
2	We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees..... only) on demand by the Government within 10 days of the demand.
3	We, (indicate the name of the Bank), do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees.....only)
4	We, (indicate the name of the Bank), further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5	We, (indicate the name of the Bank) further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the

	terms and conditions of the said agreement or to extend time of performance by the said Contractor 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 and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor 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	We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7	This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8	We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.
9	This Bank Guarantee shall be valid up to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. (Rupees only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date:-.

Witnesses:-

1. Signature.....

Name of address

Authorized signatory

Name

Designation

Staff code no.

Bank seal

2. Signature.....

3. Name and address

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.

**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor..... (Name of contractor) (Hereinafter called "the contractor") has submitted his tender dated (date) for the Maintenance of (name of work) (Hereinafter called "the Tender")

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-Charge") in the sum of ` (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 presents.

SEALED with the Common Seal of the said Bank thisday of 20... .

THE CONDITIONS of this obligation are:

(1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;

(2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:

(a) Fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR

(b) Fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor, OR

(c) Fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor, OR

(d) Fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

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 substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him 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 tender as such deadline 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 6 months from last date of receipt of tender.

FORM OF PERFORMANCE SECURITY (GUARANTEE)

BANK GUARANTEE BOND

1. 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 an irrevocable Bank Guarantee for Rs..... (Rupees.....only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

We(hereinafter referred to as "as Bank")
(Indicate the name of Bank)

hereby undertake to pay to the Government an amount not exceeding Rs.....

(Rupees.....only) on demand by the Government.

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

3. We, the said bank further undertake to pay the Government any money so demand 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 unique vocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. We.....further agree that
the(indicate the name of the Bank)

guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till Engineer-in-Charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

5. We..... further agree with
(indicate the name of Bank)the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forebear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any

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 (indicate the name of bank)to revoke this guarantee except with the previous consent of the Government in writing.

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

Dated, theDay of.....

For.....

(Indicate the name of the Bank).

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of CPWD.]

INTEGRITY AGREEMENT

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

BETWEEN

President of India represented through Executive Engineer,
(Name of Division)

CPWD,, (Hereinafter referred as the
(Address of Division)

'**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)
"**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No.) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for.....

.....
(Name of work)

Hereinafter 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 Bidder(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/Bid 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 Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(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 Bidder(s)/Contractor(s)

1) It is required that each Bidder/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 Bidder(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 Bidder(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 Bidder(s)/Contractor(s) will not enter with other Bidder(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 bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(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 Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(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 bid 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.

d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) 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 Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Bidder(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 Bidder(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 Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(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 Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/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 Bidder(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 Bidder/Contractor.

3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption 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 Bidder 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 Bidder 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 Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/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 Bidders/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/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 Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, 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 bidders, 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 he 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.
- 5) 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.**

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:

.....
(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 :

ANNEXURE - 38
(Refer SOP No. 5/30)
GUARANTEE BOND TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS
AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS

The Agreement made this day of two thousand and between son of of (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) dated and 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 water and leak-proof.

AND WHEREAS GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof **for five years** from the date of giving of water proofing treatment.

NOW THE GUARANTOR hereby guarantees that water proofing treatment given by him will render the structures completely leak-proof and the minimum life of such water proofing treatment shall be five years to be reckoned from the date after the MAINTENANCE period prescribed in the contract.

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

- (a) Misuse of roof shall mean any operation which will damage proofing treatment, like chopping of firewood and things of the same nature which might cause damage to the roof;
- (b) Alteration shall mean Maintenance of an additional storey or a part of the roof or Maintenance adjoining to existing roof whereby proofing treatment is removed in parts;
- (c) The decision of the Engineer-in-Charge with regard to cause of leakage 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 water-proof 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 thereunder 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 presents have been executed by the Obligorand by and 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 by in the presence of

PART –B : Civil & Electrical **Work**

SPECIAL CONDITIONS

The agency is advised to inspect the site before tendering.

Unless otherwise provided in the Schedule of quantities the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centring, shuttering, however if required to be done for floor-to-floor heights greater than 3.5 m. shall be admissible at rates arrived at in accordance with clause-12 of the agreement if not already specified.

The contractor shall make his own arrangements for obtaining electrical service connection if required and make necessary payments directly to the department concerned.

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 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.

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 restriction/instructions and nothing extra shall be payable on this account.

(a) The building work will be carried out in the manner complying in all respects with the requirements of relevant by-laws 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.

(b) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should conform to bye-laws 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.

(c) 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 charges which he may be liable.

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.

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 shall be payable (or) extra cement considered in consumption on this account.

Testing of materials:

(a) Samples of various materials required for testing shall be provided free of charge by the contractor. Testing charges, if any, shall be borne by the department. However in case samples fail in testing, the testing charges if any shall be borne by the contractor. All other expenditure required to be incurred for taking the samples; conveyance, packing etc. shall be borne by the contractor himself.

The structural and architectural drawings shall at all times be properly co-related before executing any work. Any discrepancy noticed shall be brought to the notice of Engineer-in-Charge for his decision. 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.

The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department or procured by the contractor and nothing extra shall be payable to the contractor on their accounts.

The full nomenclature of items shall be adopted in preparing abstract of final bill in the measurement book and also in the bill form for final bill.

In compliance of Clause 5.1 of GCC The contractor shall be responsible for any activity authorized or unauthorized going on within the site area handed over to him by the department for Maintenance , development/MAINTENANCE or for any other purpose.

Within 15 days of award of work, the agency shall submit the method statement as how he proposes to execute the work with quality and specification, sequencing of Item including Quality assurance plan for approval of Engineer-in Charge.

A detailed program in the form of precedence network diagram is to be submitted to the Engineer –in-Charge within 15 days of award of work. The programme chart should comply the milestone given in Schedule F

16. (i) The contractor shall submit shop drawings of staging and shuttering arrangement and fire-fighting works for approval of Engineer-in-Charge. The contractor shall also submit bar bending schedule for approval of Engineer-in-Charge before execution and the Engineer-in-Charge shall be competent to approve bar bending schedule.

The contractor, through his engineer, shall ensure quality Maintenance in a planned and time bound manner. Any sub-standard Material/Work beyond set out tolerance limits shall be summarily rejected by the Engineer-in-Charge.

17.The work shall be executed as per the programme approved by the Engineer –in- Charge and it shall be so arranged as to have full co-ordination with other agencies executing building work. No claim for idle labour shall be entertained, nor, any claim on account of the delay in completion of the building work shall be liable.

18.Contractor shall be allowed 15 days mobilization from the date of issue of letter of award for the work. During this period contractor will mobilize plant & equipment and complete other preliminaries like approval of quarry, mix design, trial mix etc. No concreting shall be done until the mix-design is approved by the Engineer –in-Charge. In case of change of source or characteristic properties of the ingredients used in the concrete mix-design during the work, a revised concrete mix-design conducted by laboratory approved & shall be submitted by the contractor as per the direction of the Engineer –in-Charge. Nothing extra shall be paid on this account.

19. The contractor or his authorized representative should always be available at the site of work to take instructions from department officers, and ensure proper execution of work.

20.No work shall commence in the absence of contractor's Engineers and they shall certifying writing about the correctness of layout alignment of structure.

21. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on all the boulders, metas, shingle, earth sand, bajri etc. collected by him for the execution of the work directly to the concerned Revenue Authority of the State or Central Government. His rates are deemed to include all such expenditure and nothing extra shall be paid.

22.No payment will be made to the contractor for damage caused by rains, or other natural calamity during the execution of the works and no such claim on this account will be entertained.

23. The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants of adjacent properties and to the public in general and to prevent any damage to such properties.

24. All materials which are specified to be tested at the manufacture's works shall satisfactorily pass the test in presence of the authorized representative of Engineer-in-Charge before being used in the work.

25. The work of electrification, horticulture and other internal and external services may be carried out simultaneously by other agencies with the work being tendered for against the enclosed contract documents. The contractor shall afford necessary facilities for the same.

26. Supervision of work :

All Maintenance work shall be supervised by the contractor including his duly authorized engineers/representatives. Contractor shall provide materials and workmanship to the best of their representative kind, and shall be fully responsible for executing the work as per prescribed specifications, latest BIS Codes of Practice and Drawings

27. Quality Control :

(a) Contractor shall be fully responsible for quality of work to be executed as per prescribed specification, relevant BIS codes and drawings.

(b) The Engineer-in-Charge will examine the work executed from the point of view of scope of work, inventory of fittings and fixtures and specifications for the various items before the work is finalized. If during any of the visit, use of sub-standard material or improper workmanship is noted by the Engineer-in-Charge or his superiors, the same shall also be promptly rectified on getting a written notice to do so.

28. Should there be any discrepancy due to incomplete description/ambiguity or omission in the drawings and other documents, whether original or supplementary, forming the contract either found on completion or during currency of the installation work, the contractor shall immediately, on discovering the same, draw the attention of the Engineer-in-Charge, whose decision shall be final and binding on the contractor.

29. The contractor will not have any claim in case of any delay by the Engineer-in-Charge for removal of trees, shifting, raising, removing of telegraph, telephone or electrical lines overhead or underground, water and sewer line and other structures etc. if any, which may come in the way of the work. However, suitable extension of time can be granted to cover such delays.

30. Factory made materials & Items shall be procured only from reputed & approved manufacturer or their authorized dealers.

31. The contractor will have to work according to the programme of the work, decided by the Engineer-in-Charge. The contractor shall also construct a sample unit complete in all respect within time specified by the Engineer-in-charge and this sample unit shall be got approved from the Engineer-in-charge before mass Maintenance is taken up. No extra claim what so ever beyond the payments due at agreement rates will be entertained from the Contractor on this account.

32. 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 over areas where other buildings, roads, services of compound walls are to be constructed.

33. If as per municipal rules the huts for labour are not to 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.

34. Cement bags shall be stored in separate godown to be constructed by contractor at his own cost as per sketch which is only indicative and actual size will depend on the site requirements as per CPWD Specification 2009 (Vol.I to II). With up to date C.S and revised CPWD Specification 2002 for cement concrete, cement mortar and R.C.C. work in pursuance (IS: 456-2000) with weather proof roof and walls. Each go down shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-Charge of work and that of the other lock with the authorized agent of the contractor at the site of work so that the cement is removed from the go down according to the daily requirement with the knowledge of both the parties and proper account maintained in standard proforma.
35. The contractor shall be fully responsible for the safe custody of the materials even if the materials are under double lock system.
36. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials and shall construct suitable go downs, yards at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.
37. All materials shall be got checked by the Junior Engineer-in-Charge of the works on receipt of the same at site before use.
38. **The agency has to follow up time frame for attending the complaints:**

Sl. No.	Complaint Description	Time
1	Emergency (blocked drains, no power, no water, etc.)	06 hours.
2	Minor (cleaning of drains, water overflow, faulty switches, etc.)	03 days.
3	Major (repairs to doors, windows, plumbing, internal wiring, etc)	30 days.
4	Periodical (white washing, painting, cleaning water tanks, etc.)	60 days.
5	Upgradation (Type-I, II, III, and IV quarters)	60 days.
6	Upgradation (Type-V and higher type quarters)	75 days.

39. The agency has to execute the work in following sequences

1. Work out the quantity of dismantling, Bricks, Tiles, Wood, Plumbing, painting/colour, plastering, work etc. should be intimate the Engineer-in-charge.
2. Shade of the colour has to be get approved from the Engineer-in-charge.
3. Agency has to submit the drawing of pattern of different shaded tiles as per choice of client department and as per direction of Engineer-in-charge after taken over the site
4. 60% of theoretical quantity of the required materials including colour of approved shade has to be brought at site after taken over the site.

The actual dismantling of Brick/Tiles/rubbing of old colour/plastering etc have to be started duly after the compliance of above-mentioned para.

40. **The vendor should take prior permission from NITTTR, Kolkata for availing electricity, water or any other facility. The same wood be informed to CPWD by NITTTR, Kolkata. During final payment, 2% of the Tender value of the project will be deducted for electricity (1%) and water (1%) respectively. For any other requirement proper prior approval should be taken.**

CONDITIONS FOR CEMENT

(a) The contractor shall procure Portland Pozzolona Cement (PPC) (conforming to IS 1489 (Part 1) 1991), as required in the work, from reputed manufacturer of cement having a production capacity of one million tons per annum or more, such as Ultra tech, ACC, Vikram, Shree Cement, Ambuja, Jaypee Cement, J. K. Cement, Century Cement etc. as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from 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 taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does 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.

(b) In addition to Portland Pozzolona cement(PPC) as specified above, use of Portland slag cement conforming to IS: 455 (Latest edition) is permitted for foundation work. Portland slag cement will also be permitted for super structure works subjected to enhancement of striping time of " form work" as per provision of para 11.3.1 of IS: 456-2000 vis-à-vis the curing time as per the decision of the Engineer-in-Charge which shall be final and binding on the contractor. However, no extra payment will be made on this account.

Portland Pozzolona Cement (PPC)conforming to IS 1489 (Part 1) 1991 is permitted for foundation work and super structure works subjected to enhancement of striping time of "form work" as per provision of para 11.3.1 of IS: 456-2000 vis-à-vis the curing time as per the decision of the Engineer-in-Charge which shall be final and binding on the contractor.

The cement shall be brought at site in bulk supply as decided by the Engineer-in-Charge. The cement godown of the capacity to store a minimum of 800 bags of cement shall be constructed by the contractor at site of 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 & ward and safety of the cement go down. The contractor shall facilitate for the inspection of the cement go down by the Engineer-in-Charge at any time.

The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor / Department in the manner indicated below.

- (i) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
- (ii) 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 clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by the conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.

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 damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

The change of the brand of cement depending upon availability in local market, if needed shall be got approved by competent authority prior to use.

CONDITIONS FOR USING PORTLAND POZZOLONA CEMENT (PPC)

1.0 General:

1.1 IS:456-2000 Code of Practice for Plain and Reinforced Concrete (as amended up to date) shall be followed in regard to Concrete Mix Proportion and its production as under:

The concrete mix design shall be done as "Design Mix Concrete" as prescribed in clause-9 of IS: 456 mentioned above.

1.1.2 Concrete shall be manufactured in accordance with clause 10 of above mentioned IS:456 covering quality assurance measures both technical and organizational, which shall also necessarily require a qualified Concrete Technologist to be available during manufacture of concrete for certification of quality of concrete.

1.2 Minimum M25 grade of concrete shall be used in all structural elements made with RCC both in load bearing and framed structure.

1.3 The mechanical properties such as modulus of elasticity, tensile strength, creep and shrinkage of flyash mixed concrete or concrete using flyash blended cements (PPCs) are not likely to be significantly different and their values are to be taken same as those used for concrete made with OPC.

1.4 To control higher rate of carbonation in early ages of concrete both in flyash admixed as well as PPC based concrete, water/ binder ratio shall be kept as low as possible, which shall be closely monitored during concrete manufacture.

If necessitated due to low water/ binder ratio, required workability shall be achieved by use of chloride free chemical admixtures conforming to IS: 9103. The compatibility of chemical admixtures and super plasticizers with each set OPC, fly ash and/ or PPC received from different sources shall be ensured by trials.

1.5 In environment subjected to aggressive chloride or sulphate attack in particular, use of flyash admixed or PPC based concrete is recommended. In cases, where structural concrete is exposed to excessive magnesium sulphate, flyash substitution content shall be limited to 18% by weight. Special type of cement with low C3A content may also be alternatively used. Durability criteria like minimum binder content and maximum water/binder ratio also need to be given due consideration in such environment.

1.6 Wet curing period shall be a minimum of 10 days.

CONDITIONS FOR STEEL

The contractor shall procure TMT bars of Fe 500D grade from primary producers such as SAIL, Tata Steel Ltd, RINL, Jindal Steel & Power Ltd. And JSW Steel Ltd or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 Million tonnes per annum and above.

In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from steel producers having Integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Million tonnes per annum and more. A separate list of producers for this category shall be approved by the ADG concerned for their sub region under intimation to the Directorate, CPWD/CE, CSQ.

In case of non-availability of steel from Primary producers as well as ISPs then the NIT approving authority may also permit use of TMT reinforcement bars procured from secondary producers. In such cases following conditions should be followed-

- a) The grade of the steel Fe500 to be procured shall be specified as per BIS 1786-2008.
- b) The secondary producers must have valid BIS licence to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS licence, the secondary producer must have valid licence from either of the firms Tempcore, Thermex, Evcon, Turbo& Turbo Quench to produce TMT Bars.
- c) The TMT bars procured from primary producers and ISPs shall conform to manufacture's specifications.
- d) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon, Turbo& Turbo Quench as the case may be.
- e) TMT bars procured either from primary producers or secondary producers, the specifications shall meet the provisions of IS 1786 ; 2008 pertaining to Fe 500D grade of steel as specified in the tender.

2. The contractor shall have obtained and furnish test certificate 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 as defined under para (1) (d) & (1)(e) above, 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 shall be brought to the site in bulk supply of 10 tonnes or more as decided by Engineer-in-Charge.

5. Steel reinforcement (TMT bars) shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bar of different sizes and length shall be store separately to facilitate easy counting and checking.

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

Size of bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia bars	One sample for each 25 Tonnes or part thereof	One sample for each 40 Tonnes or part thereof
10mm to 16 mm dia bars	One sample for each 35 Tonnes or part thereof	One sample for each 45 Tonnes or part thereof
Over 16 mm dia bars	One sample for each 45 Tonnes or part thereof	One sample for each 50 Tonnes or part thereof

7.The contractor shall supply free of charge the steel required for testing including its transporting cost 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 condition laid therein.

9.Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

PARTICULAR SPECIFICATIONS

1.0 GENERAL

The work shall be executed and measured as per metric dimensions given in the Schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).

The following modifications in the above specifications and some additional specifications shall however apply:

All stone aggregate and stone ballast shall be of hard stone variety to be obtained from quarries approved by the Engineer-in-Charge.

Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality. Sand shall be obtained from the source to be got approved from the Engineer-in-Charge and screened as required. The same shall consist of hard siliceous material. It shall be clean sand.

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 their to revision thereof if, any, up to the date of receipt of tenders.

Unless otherwise specified in the schedule of quantities the rates for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source, such as rains, floods, and sub-soil water level being high due to any other cause whatsoever. However, payment for pumping/bailing out of water for one time will be made as per Agreement item if ponding of water is found at site at the time of start of work.

3.1 BRICK WORK.

Bricks shall be obtained from kilns approved by the Engineer-in-Charge and shall be of size 10"x5"x3" instead of 22.9 cmx11. 4cm.x7.00cm. nominal mentioned in CPWD specification for works 2009 Vol.- I to II with correction slips. Consequently, the thickness of brick walls will be measured in multiple of 5" or 125 mm.

4.0 R.C.C. WORK.

4.1 In respect of projected balconies, projected slabs at roof level and projected verandah, the payment for the RCC work shall be made under the item of RCC Slabs, the payment for centering and shuttering of such, items shall similarly be paid under the item of centering and shuttering of RCC slab. Nothing extra shall be paid for the side shuttering at the edges of these projected balconies and projected verandah. All the edges shall however be finished as per specifications and nothing extra shall be paid for this.

4.2 FORM WORK

Basically, only steel shuttering shall be adopted in general. However, a combination of steel and shuttering ply conforming to I.S: 848-1974 and I.S: 5539 may be allowed by the Engineer-in-Charge in consideration of the special request of the contractor to maintain quality and speed of the work. In such cases the use of shuttering ply shall be permitted only for circular columns, beam sides and bottom and in other locations wherever it is felt necessary on account of difficulty in using steel shuttering in such locations. But in other areas like slab, rectangular/square columns etc. steel shuttering shall be invariably used. However, no extra payment or deduction will be admissible or made for use of shuttering ply.

4.2.1 To maintain the quality and speed the contractors have to arrange and bring the shuttering materials at site for execution of the works of one floor at a time.

5.0 WOOD WORK

The samples of species of timber to be used shall be deposited by the contractor with the E.E. before commencement of the work. The contractor shall produce cash vouchers and certificate from standard kiln seasoning chemically pressure treatment plant operators about the timber section to be used on the work having been kiln seasoned chemically pressure treated by them, failing which it would not be to accept as kiln seasoned & chemically pressure treated.

5.1 Factory made shutter, as specified shall be obtained from factories to be approved by the Engineer-in-Charge and shall conform to IS: 2202 (Part-I) 1977. The contractor shall inform well in advance to the Engineer-in-Charge the names and address of the factory where from the contractor intends to get the shutters manufactured. The contractor will place order for manufacture of shutters only after written approval of the Engineer-in-Charge in this regard is given. The contractor is bound to abide by the decision of the Engineer-in-Charge and recommend a name of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutters will, however, be accepted only, if this meet the specified tests. The contractor will also arrange stage-wise inspection of the shutters at factory by the Engineer-in-Charge or his authorized representative. Contractor will have no claim if the shutters brought at site are rejected by Engineer-in-charge in full lot due to bad workmanship/quality. Such shutters will not be measured and paid and the contractor shall remove the same from the site of work within 7 days after the written instructions in this regard are issued by Engineer-in-charge or his authorized representative.

6.0 STEEL WORK:

6.1 The steel doors, windows, ventilators and composite units shall be got fabricated in workshop approved by the Chief Engineer concerned.

6.2 The M.S. plate clamps 15x6mm. thick for holding arrangements are to be provided and added as per site conditions. The rate is inclusive of the cost of such clamps.

6.3 All welded steel work shall be tested for quality of weld as laid down in IS: 822 1970 before actual erection, unless otherwise specified in the nomenclature of the item.

7.0 WATER SUPPLY SANITARY INSTALLATION

7.1 The S.C.I pipe and G.I pipe wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs and nothing extra shall be paid for this.

7.2 The contractor shall be responsible of the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferages and breakage during the period of installation and thereafter until the building is handed over.

7.3 Sunken Flooring: The rate of items of flooring is inclusive of providing sunk flooring in W.C, bathrooms, kitchen etc. and nothing extra on this account is admissible.

VARIATION IN CONSUMPTION OF MATERIALS:

The variation in consumption of material shall be governed as per CPWD specification and clauses of the contract to the extent applicable. The following specific clauses shall govern the variation in consumption of pig lead.

VARIATION IN CONSUMPTION OF PIG LEAD :

- 9.1 The pig lead for caulking of joints of SCI pipes shall be issued as per theoretical consumption for SCI pipes of size 100mm, 75mm, 50mm at 0.98kg, 0.88kg, and 0.77 kg. per joint respectively. Over and above the theoretical quantities of lead as worked out, variation of 5% shall be allowed for wastage etc. Any difference between the actual consumption of pig lead and theoretical consumption worked out on the above basis i/c the authorized variation shall be recovered at rates in schedule 'B' plus 10% in case material issued by department. Where the pig lead is arranged by the contractor, in case variation is on higher side 5% will be allowed. In case the variation is on lower side, the quantity of pig lead used less shall be recovered from the contractor at market rate to be determined by Engineer-in-Charge whose decision in the matter will be final.

The theoretical quantity of cement to be utilized in item of concrete involving use of single aggregate and mixed by volume batching shall be computed on the basis of the co-efficient for cement to be used in different items of the work provided in DSR 2012 reducing each of the co-efficient by 5%. However, where the concrete is mixed by weight batching no such reduction shall be made from theoretical co-efficient given in DSR -2014 for concrete with crushed stone aggregate.

10. TESTING OF MATERIAL:

- (a) The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work.
- (b) In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compression strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same proper curing and carriage up to the laboratory where the test is to be performed. The cube tests can be performed at any laboratory approved by the Engineer-in-Charge.
- (c) Time allowed for execution of the work provided in clause 5 of Schedule 'F' is inclusive of the time required for any kind of testing of materials and preparation of Design mix of cement concrete for all R.C.C. work, time required for initial load testing / routine load testing of piles and time required for testing of weld etc.

11.0 WARRANTY CARD WHEREVER APPLICABLE:

- 11.1 Wherever applicable, the product which comes with manufacturer's warranty/guarantee shall be availed by the agency and such warranty / guarantee should be handed over to the Engineer – in – Charge.

12.0 INTEGRAL WATER PROOF FINISHING:

12.1 The contractor must associate himself with the specialised firm to be approved by the Engineer-in-Charge in writing, for integral cement-based water proofing treatment for sunken floors and on roofs. 10 years guarantee in prescribed proforma to be supplied by the Engineer-in-Charge must be given by the specialised firm, which shall be countersigned by the contractor, in token of his overall responsibility. In addition, 10% (ten percentages) of the cost of these items would be retained as guarantee to watch the performance of the work done. However, half of this amount (withhold) would be released after five years. If the performance of the work done is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days and if not attended to the same will be got done by another agency at the risk and cost of the contractor. However, this security deposit can be released in full, if bank guarantee of equivalent amount valid for 10 years is produced and deposited with the department. Before execution of the items of integral water proofing treatment/finishing work, the contractor must submit the following details and get the same approved by the Engineer-in-charge.

- a) The name of the specialised firm
- b) The trade names of the product which could be used.
- c) List of works where this treatment has been used.
- d) Quantity of chlorides and sulphides used in the product.
- e) Rate/Rates quoted by the contractor shall include for all leads & lifts.

13.0 Condition by Water Proofing Treatment (APP)

- (a) Laying of APP membrane shall be got done through authorized applicator of the manufacturer of membrane duly approved by the Engineer-in-Charge in writing and as per direction of the Engineer in Charge.
- (b) The contractor must produce 5 years **guarantee** in prescribed proforma, and must be signed by the contractor in token of his overall responsibility. In addition, 10% (Ten percentages) of the cost of **item No. —** would be retained as guarantee to watch the performance of the work done.
- (c) However, half of this amount (withhold) would be released after 3 years, if the Performance of the work done is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days and if not attended to, the same will be got done by another agency at the risk and cost of the contractor.

PREFERRED MAKES FOR CIVIL WORK

- (1) The Contractor shall obtain approval from the Engineer-In-Charge before placing order for any specific material or engaging any of the specialized agencies.
- (2) Wherever applicable. The Engineer-In-Charge may approve any material equivalent to that specified in the tender subject to proof being offered by the Contractor for equivalence to his satisfaction.
- (3) Unless otherwise specified, in the tender document all the materials which are ISI Marked shall be used in the work and if the ISI marked materials are not available, materials conforming to IS shall be used, and for the materials which are neither ISI marked nor conform to IS, the manufacturer's Specification shall be followed.

SL. NO.	MATERIALS	APPROVED MAKE
1.	Portland Pozzolana Cement	ACC / ULTRATECH / AMBUJA / JK CEMENT / BIRLA
2.	White Cement	BIRLA WHITE / J. K WHITE
3.	Reinforcement Steel	SAIL / TATA STEEL LTD. / RINL / JINDAL STEEL & POWER LTD / JSW
4.	Parallel Threaded Couplers	DEXTRA / G-TECH / SANFIELD
5.	Re-barring Chemical	HILTI / 3M INDIA
6.	Structural Steel	TATA/ JSW STEEL LTD/ SAIL/ JINDAL STEEL & POWER LTD./ RINL
7.	T- Section	SILHOUETTEE
8.	Plasticizer, Super Plasticizer, Admixtures, Other Maintenance chemicals	M.C. BAUCHEMIE / FOSROC / SIKA / BASF/ PIDILITE / CRYSO / ECMAS / STP LIMITED
9.	AAC Block	ULTRATECH / AEROCON / BILTECH / JK LAXMI / MAGICRETE / XTRALITE
10.	AAC Block Adhesive	ULTRATECH / FERROUS CRETE / BAL ENDURA / AEROCON / J K LAXMI / SIKA BLOCK JOINTING MORTAR
11.	Polymer modified cementitious grout	BAL ENDURA / WEBER / MYK LATICRETE / FERROUS-CRETE
12.	List of RMC producers	ULTRATECH / ACC / LAFARGE (NUVOCO) / L&T
13.	Curing Compound	FOSROC / SIKA / PIDILITE / STP / CICO / BASF
14.	Expansion Joint- modular	HERCULES / Z-Tech / SANFIELD/KANTA FLEX (INDIA) PVT. LTD.
15.	Shuttering Ply	MERINO/GREENLAM/CENTURY / ARCHIDPLY /KITLAM
WATERPOOFING :		

SL. NO.	MATERIALS	APPROVED MAKE
16.	Waterproofing Self Adhesive (HDPE) Membrane	GRACE / FOSROC / MYK SCHOMBURG / STP LIMITED
17.	Single Component Liquid PU Elastomeric Membrane (spray applied) for Deck Waterproofing	BASF / SIKA / FOSROC/ MYK SCHOMBURG/ GRACE / STP LIMITED / PIDILITE
18.	Two component liquid Elastomeric Polyurea Polyurethane hybrid membrane	BASF / SIKA / FOSROC/ MYK SCHOMBURG/ GRACE / STP LIMITED / PIDILITE
19.	Waterproofing Compound (Crystalline) and Swellable Bar	XYPEX / KRYTON / PENETRON / BASF / SIKA / FOSROC / MYK SCHOMBURG / GRACE/VENDEX / STP LIMITED
20.	Polymeric Cementitious Coating	BASF / FOSROC/ GRACE/ STP LIMITED / PIDILITE
21.	Elastomeric Acrylic UV resistant liquid applied coating	BASF/ FOSROC/ SIKA / GRACE / STP LIMITED
DOOR, WINDOWS & WOOD WORK :		
22.	Laminated Particle Board / Particle board / Laminates / Plywood	MERINO / GREENLAM / CENTURY / EUROPLY
23.	Veneered Particle Board	MERINO / DURO / GREENLAM
24.	SS Mesh	GKD / WMW
25.	Flush door shutters	GREENPLY / DURO / MERINO / KUTTY / JAYNA / CENTURY / JAIN DOORS PVT. LTD.
26.	Glass wool Insulation	UP TWIGA / POLY GLASS / LLOYDS/OWENSCORNING
27.	Rock Wool Insulation	LLOYDS / ROXUL ROCKWOOL
28.	Polycarbonate Sheet	GE LEXAN / DANPALON/ GALLINA
29.	Decking Steel sheet	TATA STEEL / LLOYDS / JSW
30.	Natural wood veneer	SONEAR / GREEN PLY / TRUWOOD
31.	Anti-static high-pressure laminate	FORMICA / BAKELITE HYLAM / DECOLAM / MERINO / KITMICA
32.	Fire Sealant	HILTI / 3M INDIA / FISCHER
33.	Extruded Polystyrene Board	STP/SUPREME/ OWNESCORNING / SHALIMAR
34.	Wooden / Metal / Glazed / Acoustic - Fire Rated Door Shutters	NAVAIR / KUTTY / SHAKTIMAT / SAINT GOBAIN / PACIFIC / BHAWANI FIRE

SL. NO.	MATERIALS	APPROVED MAKE
35.	UPVC Doors & Windows	ALUPLAST / ENCRAFT / REHAU / FENESTA / LG-HAUSYS / DUROPLAST
36.	Fire rated glass (2 hours fire rating)	SAINT GOBAIN / PYROGUARD / SCHOTT / ASAHI
FINISHING :		
37.	Melamine Polish	ASIAN PAINTS/PIDILITE INDUSTRIES / DULUX / BERGER
38.	Polyester Powder Coating Shades	NEROLAC/BERGER/ AKZONOBEL (DULUX)
39.	Wall Putty	BIRLA WHITE / JK WHITE
40.	Oil Bound Washable Distemper	ASIAN PAINTS / BERGER / NEROLAC / ICI / AKZONOBEL (DULUX)
41.	Acrylic Distemper	BERGER / ASIAN / DULUX / NEROLAC
42.	Cement Primer	BP WHITE (BERGER) / DECOPRIME WT (ASIAN) / NEROLAC / AKZONOBEL(DULUX)
43.	Steel / Wood Primer	AKZONOBEL (DULUX)/ NEROLAC / BERGER / ASIAN PAINT / JENSON & NICHOLSON
44.	Adhesives	ANCHOR / DUNLOP / PIDILITE-FEVICOL
45.	Premium Acrylic Emulsion paints	AKZONOBEL (DULUX)/ NEROLAC / ASIAN PAINTS / BERGER
46.	Textured Exterior Finish	ASIAN (ULTIMA) / BERGER (WEATHER COAT ALL GUARD) / DULUX AKZONOBEL (ULTRA CLEAN) / NEROLAC (EXCEL TOTAL)
47.	Synthetic Enamel Paint	ASIAN / BERGER / NEROLAC / AKZONOBEL (DULUX)
48.	Epoxy Paint	AKZONOBEL (DULUX) / NEROLAC / ASIAN PAINTS / ICI / BERGER
49.	Fire Paint	ASIAN PAINT / BERGER PAINTS / SHALIMAR / JOTUN / AKZONOBEL (DULUX)
50.	Gypsum Plaster	FERROUSCRETE / ULTRATECH / INDIA GYPSUM / ELITE (90) OF GYPROC
51.	Cement based Ready Mix Plaster	FERROUSCRETE / ULTRATECH / SAINT GOBAIN
52.	Pre-Cast GRC Jali	UNISTONE / KERAKROME GRC
53.	Polysulphide sealant	FOSROC / SIKA / TUFFSEAL / PIDILITE / WACKER / DOW CORNING / GE / STP

SL. NO.	MATERIALS		APPROVED MAKE
54.	Silicone / Weather Sealant		WACKER / DOW CORNING / GE
55.	Wall Paper		EGO / VESCOM / ASIAN PAINTS / MURASPEC / MARSHALLS
56.	Vinly Graphic		3M, AVERY DENNISION, LUMAR
STEEL & ALUMINIUM WORKS:			
57.	Stainless Steel		SALEM STEEL / JINDAL ALLOYS / SAIL
58.	Welding Electrodes		ADVANI-OERLIKON / MODI
59.	Dash / Anchoring Fasteners		HILTI / FISHER / BOSCH / AXEL
60.	Anodised Aluminium Hardware (Heavy Duty)		HARDIMA / ALUALPHA / PULSE OFLGF / SYSMAC / HINDALCO / EVERITE
61.	Aluminium Structural Members – Windows, Glazing and Partitions		JINDAL / HINDALCO / NALCO /INDALCO
62.	Stainless Steel Railing, Accessories etc. (Grade SS 316)		OZONE / GEZE / KICH / DORMA / HETTICH
63.	G. I Steel door frame		SYNERGY THRISLINGTON / SHAKTIMET / NAVAIR
CEILINGS:			
64.	False ceiling Grid system		GYPROC / GRIDLINE / RK / GRIDSYSTEM
65.	False Ceiling – Gypsum Board and Sections		SAINT GOBAIN GYPROC / INDIA GYPSUM /AMF / USG BORAL
66.	Metallic / Wooden Modular False Ceiling		ARMSTRONG / DURLUM / HUNTER DOUGLAS / SAINT GOBAIN
67.	Acoustical Tile False ceiling		ARMSTRONG / SAINT GOBAIN / ECOPHON / DEXUNE / ANUTONE / AMF
68.	Calcium silicate ceiling tiles / Board		HILUX / ARMSTRONG (MYLAR) / EVEREST / NCL
69.	Aluminum Composite Panel		ALUCOBOND / ALPOLIC / ALUDECOR / REYNOBOND
70.	Acrylic Solid Surfaces		HANEX / L.G-HIMAC / DUPONT
FLOORING/ WALL TILES:			
71.	Glass Mosaic Tiles		BISAZZA / MRIDUL / OPIO / PALLADIO / ITALIA GLASS
72.	Floor & Wall Tiles:		
	(a)	Ceramic tiles	KAJARIA / H&R JOHNSON / SOMANY/ RAK / ASIAN (AGL)
	(b)	Vitrified tiles	KAJARIA / H&R JOHNSON / SOMANY/ RAK / ASIAN (AGL)

SL. NO.	MATERIALS	APPROVED MAKE
73.	PVC Flooring	ARMSTRONG / TARKETT / LG HAUSYS
74.	Laminated flooring	ACTION / TESA / PERGO
75.	Engineered stone - Marble / Quartz	ASIAN / JOHNSON / KALINGA / QUTONE
76.	Chequered Tiles, Paver Block & Kerb Stone (of Non-Recycled C&D Waste)	OVILITE / UNISTONE / HINDUSTAN / KK / ULTRA / DALAL TILES / NITCO
77.	Tile / Stone Adhesive / Tile Grout	PIDILITE / FERROUSCRETE / BALLENDURA / MYK LATICRETE
78.	Floor hardener	PIDITOP 333 BY PIDILITE / FOSROC / SIKA / IRONITE / FERROK / HARDONITE
79.	Epoxy Flooring	FOSROC / SIKA / CICO / LATICRETE / BASF
80.	Heat Resistant Tiles	THERMATEK / NATIONAL / THERMAX / JOHNSON
81.	Floor Trap	JAYNA / CHILLI / NIRALI
GLAZINGS:		
82.	Glazing Structural / Suspended / Skylight / clear / float / frosted	SAINT GOBAIN / PYROGUARD / ASAHI
83.	Clear / Float / Frosted Glass / Mirror	ASAHI / MODIGUARD / SAINT GOBAIN
84.	Glass Spider Fittings	DORMA / HAFELE / OZONE
85.	Toughened Glass / Hermetically sealed performance glass	SAINT GOBAIN / MODIGUARD/ ASAHI / SCHOTT
HARDWARE:		
86.	Nuts / Bolts & Screws	GKW / HILTI / ATUL
87.	Clamp system for dry stone cladding	HILTI / FISCHER / BOSCH / AXEL
88.	Hinges & Brassware	EARL BIHARI / KICH / ASSA-ABLOY / HAFELE / GEZE / DORMA
89.	MDF Board	NUWOOD / DURATUFF
90.	Vitreous Chinaware	HINDWARE / JOHNSON / CERA / PARRYWARE
91.	All type of hardware and fitting for all type of glazing / doors/ windows etc. including mortise latch & lock, tower bolt, ball bearing butt hinges, friction stay	DORMA / HAFELE / GEZE / GODREJ / BACKEN / HETTICH

SL. NO.	MATERIALS	APPROVED MAKE
	hinges, sliding door bolts, lever handle, magic eye door closer etc.	
92.	Toilet Cubicles	MERINO / GREENLAM / DORMA
93.	Hardware for Fire Check Door / panic bar / panic trim / door closer / hinges/ mortise lock / dead lock etc.	DORMA / GEZE / HAFELE / BACKEN
94.	EPDM Gasket	HANU / ANAND / OSAKA
PLUMBING & SANITARY:		
95.	Stainless Steel Pipes	JINDAL / RAMPART / G-PRESS / REMI
96.	HDPE/HDPE DWC pipes	JAIN / KAISTA / RELIANCE
97.	Polypropylene pipes	REHAU / POLOPLAST / HULIOT / ASTRAL
98.	GI Pipes	JINDAL (HISAR) / TATA / SURYA PRAKASH
99.	GI Fittings	UNIK / ZOLOTO / SURYA
100.	DI Pipes	ELECTROSTEEL (VEDANTA) / JINDAL / TATA DUCTURA
101.	DI Fittings	ELECTROSTEEL (VEDANTA) / KALINGA / TATA DUCTURA
102.	CI Double flanged sluice valve	KIRLOSKAR / SONDHI / KEJRIWAL
103.	Float Valve	LEADER / ZOLOTO / KSB
104.	Centrifugally Cast (Spun) Iron Pipes & Fittings	JAYSWAL NECO / RIF / SKF / HEPSCO / BIC
105.	Centrifugally Cast (Spun) Iron (Class LA) Pipes	JAYSWAL NECO / ELECTRO STEEL / TATA
106.	CI Manhole covers, Frames & GI Gratings	JAYASAWAL NECO / RIF / SKF / HEPSCO / BIC
107.	SFRC Manhole Covers & Gratings	KK / OCR / PARGATI / T-CON
108.	Stoneware Pipes and Gully Traps	PERFECT / PARRY / BURN / ANAND / RK / HIND
109.	RCC Manhole covers & Frames	KK MANHOLE / GRATING CO. (P) LTD
110.	Gun Metal Valves, Globes	ZOLOTO / CASTLE / KARTAR
111.	Sanitary CP Fittings & Accessories	JAQUAR / ROCA / KEROVIT/ KOHLER / CERA / JOHNSON
112.	Vitreous Chinaware	HINDWARE/ JAQUAR / ROCA / KOHLER / KEROVIT / CERA / JOHNSON
113.	Water Meter	PRIMA / ZOLOTO / LEADER / CAPSTAN
114.	Brass Stop & Bib Cock	ZOLOTO / SANT / L&K / LEADER / ASTRAL

SL. NO.	MATERIALS	APPROVED MAKE
115.	UPVC / CPVC Pipe & Fittings	AKG / ASTRAL / SUPREME / FINOLEX / SFMC
116.	Non-Return Valve (Check valve) and other kind of Valves	ZOLOTO / SANT / LEADER
117.	Brass Ferrules	DHAWAN SANITARY UDYOG / KALSI / ANNAPURNA
118.	Insulation for hot water pipes	KAIFLEX / ARMAFLEX / CAREFLEX / LLOYD
119.	Insulation for external / exposed hot water pipes	KAIFLEX / ARMAFLEX / CAREFLEX
120.	Pipe protection for external water supply pipes	PYPKOTE / ARMAFLEX / MAKPOLYKOTE
121.	Stainless Steel Sink	NEELKANTH / NIRALI / CERA / JAYNA / KINGSTON
122.	RCC Pipes	LAKSHMI / SOOD & SOOD / JAIN & CO. / PRAGATI CONCRETE

All fitting shall have ISI marked on its body wherever applicable.

Note :- Chief Engineer, CPWD, Kolkata reserves the right to add or delete any materials and Brands in the list of approved materials/brands on the recommendations of Engineer-in-charge. Unless otherwise specified in the tender document, , all the materials which are ISI marked shall be used in the work and if the ISI marked materials are not available, materials confirming to ISI shall be used, and for materials which are neither BIS marked nor confirm to BIS , the manufacturers specification shall be used with prior approval of Engineer-in-charge.

ADDITIONAL CONDITIONS OF CONTRACT FOR THE WORK (Electrical)

General

- 1.1. The work shall be generally carried out in accordance with schedule of quantities and the following specifications and conditions.
 - a. CPWD general specifications for electrical work Part-I internal- 2013, as amended upto date.
 - b. CPWD general specifications for electrical work Part-II external – 2005, as amended upto date.
 - c. Commercial and additional conditions for this work.
 - d. The Indian electricity Act, 2003 as amended upto date.
 - e. Indian electricity rules 1956 amended upto date.
- 1.2. The Department shall not issue any T & P and nothing extra shall be paid on account of this.

Rates:

The rates quoted by the tenderer, shall be firm and inclusive of all taxes (Including works contract tax, labour welfare cess) GST , Octroi, duties and levies and all charges for packing, forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site i/c temporary Maintenance al storage, risks, over head charges, general liabilities / obligations and clearance from local authorities.

Completeness of tender:

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections, and all other items which are use full and necessary for efficient assembly and installation of equipment and components of the work shall be deemed to have been included in the tender irrespective of the fact whether such items are specifically mentioned in the tender documents or not.

Storage and Custody of Materials:

The agency has to make his own arrangement for storage, watch and ward of the stores. Their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

Care of the Building:

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

Completion period:

The completion period indicated in the tender documents is for the entire work of supplying, installation, testing, commissioning and handing over of the entire installation to the satisfactory of the Engineer-in-Charge.

Performance Guarantee:

- The tender shall guarantee among other things, the following visa-a-vis specifications.
- a. Quality, strength and performance of the materials used.
 - b. Satisfactory operation during the MAINTENANCE period.

Defect Liability Period:

- a) The entire installation in general shall be guaranteed for a period of 12 months from the date of completion. Any defective materials and equipment shall be replaced free of cost at the direction of the Engineer-in-Charge.

b) All the LED bulbs/ LED Fittings shall be Guaranteed for a period of 5 years from the date of completion of work and handing over. A letter from the manufacturer of the LED luminaries regarding the back to back arrangement for performance of this guarantee clause shall be submitted at the time of supply of LED fittings.

b/i) 50% of the performance guarantee shall be refunded to the contractor soon after the completion of the work and recording of the completion certificate.

b/ii) 50% of the Performance Guarantee shall be retained as Security Deposit.

b/iii) 50% of the Performance Guarantee retained as Security Deposit plus 2.5% Security Deposit already deducted from each running bill (Total 2.5 + 2.5 =5%) shall be refunded year wise proportionately.

Power Supply:

No power supply for the purpose of carrying out the work, except for testing and commissioning, shall be provided by the department.

Data and Programme to be furnished by the tenderers:

The Contractor shall prepare the programme chart for the execution of the work showing clearly all activities from the start of work to the completion required for the completion of the work within the stipulated period and submit the same to the Engineer-in-Charge within fifteen days after the issue of letter for commencement of the work. The contractor shall also submit monthly programme and progress report and update / re-schedule the same every month. These shall be submitted by the contractor in soft copy also besides forwarding hard copy of the same.

Extent of work:

- 1.3. The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning as may be requirement by the department.
- 1.4. Micor building works necessary like making of opening in walls or in floors and restoring to their original condition, finish and necessary grouting etc as required to be undertaken.

Compliance with Regulations and Indian Standards

- 1.5. All works shall be carried out in accordance out in accordance with relevant regulation, both statutory and those specified by the Indian Standards related to this work. In particular, the equipment and installation shall comply with the following:
 - a. Factories Act.
 - b. Indian Electricity Rules.
 - c. IS & BS Standards as applicable.
 - d. Workmen's compensation Act.
 - e. Statutory norms prescribed by local bodies.

Indemnity:

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the department shall not be responsible for any accident or damage incurred or claims arising there from during the period of erection, Maintenance and putting into operation the equipments and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be

necessary to cover the risk. No extra payment would be made to the successful tenderer due to the above.

Co-operation with Other Agencies:

The successful tender shall co-ordinate with other contractors and agencies engaged in the Maintenance of the building and exchange freely all technical information so as to make the execution of this works contract smooth. No remuneration should be claimed from the department for such technical operation. If any unreasonable hindrance is caused to other agencies and any existing portion of the building has to be dismantled and re-done for want of cooperation and coordination by the successful tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the successful tenderer himself. Water proofing of pits shall not be damaged under any circumstances.

Verification of Correctness of Material at Destination:

The contractor shall have to produce all the relevant records to certify that the genuine material from the manufacturers has been supplied and erected.

Order of Preference:

Should there be any difference or discrepancy between the description of items as given in the schedule of quantities, technical specifications for individual items of work (Including additional and commercial conditions) and IS codes etc, the following order of preference shall be followed:

- a. Schedule of quantities.
- b. Commercial and additional conditions for this work.
- c. General conditions of contract for CPWD works.
- d. Drawings
- e. CPWD General Specifications.
- f. Relevant IS or any other International code in case is not available.
2. The main contractor shall also enter into a 'Memorandum of understanding' with the approved associated contractor on Non-Judicial Stamp Paper as per the enclosed proforma and submit this 'MOU' duly completed (Duly Signed by him and the associated Contractor) before commencement of work.
3. Executive Engineer (Elect.) shall be the Engineer-in-Charge as far as electrical works are concerned. Separate tender form for electrical component is appended with this tender. It will be obligatory on part of the main contractor to sign the tender documents for all the components.
4. The main agency shall be responsible for all acts of omissions and submission of the electrical contractor or sub-contractor engaged by him, even with approved of department.
5. Approval of the Engineer-in-charge shall be taken well in advance for all the materials to be supplied and used in all the works by the contractor.
6. The contractor has to make his own arrangements for stores and watch and ward and no extra claim for this will be entertained.
7. Running payment for electrical / mechanical components shall be made by the EE (E) directly to the main contractor. The main contractor shall make the payment to associated contractor within 15 Days of receipt of each running account payment.

Payments Terms:

On account payments for part work (After stipulated and statutory deductions) as assessed by the Engineer-in-Charge for the applicable items in the contract shall be payable at part rate not exceeding the percentage indicated against the stages of work.

A] Items connected with point wiring, circuit wiring, sub-main wiring, power point wiring and light plug wiring.

S. N	Stage of work	Percentage of Rate
A	On laying of conduits with accessories, switch boxes, etc.	40%
B	On drawing of wires i/c terminations, switches, sockets, cover plates etc.	40%
C	On completion of installation, testing and commissioning.	15%
D	At the time of payment of final bill.	5%

B] Items of Lighting Fixtures, MV Panels, MCBs, MCB DBs, Rising Main etc

S. N	Stage of work	Percentage of Rate
A	On initial inspection of material and delivery at site in good condition on pro-rate basis.	70%
B	On completion of installation on pro-rata basis.	15%
C	On completion of testing and commissioning.	10%
D	At the time of payment of final bill.	5%

For other items, the part rates will be decided by the Engineer-in-Charge of the work and shall be binding on the contractor.

8. The main contractor shall be responsible for coordinating the activities of all works and will ensure progress of works as per laid down program.
9. The main contractor and / or his associated electrical contractor or his representative is bound to sign the site order books as and when required by the Engineer-in-charge and will comply with the remarks therein.
10. The contractor shall make his own arrangement at his own cost for electrical / general tools and plants required for the work.
11. The connections, interconnections, earthing and loop earthing shall be done by the contractor when ever required to be done for energisation of the installation and nothing extra shall be paid on this account.
12. The contractor must be able to work on concrete slabs / walls as and when required and in complete coordination with the civil works. Cutting of chases in the plastered wall shall in no case be allowed. The contractor shall fix conduits and boxes in the walls soon after the brick work is completed and finish the case to rough surface with proper cement sand mixture. Only in exceptional cases e.g. where cutting of plastered surface can not be avoided it will be contractor's responsibility to ensure that plastering is done to match the original finish at no extra cost.
13. The contractor shall remove all the debris due to the electrical works from the site as soon as the work is completed.
14. The wiring and conduit route shall be marked by the contractor in the drawing first, and shall be got approved from Engineer-in-Charge.
15. Some light points in lobby / corridors / stair case / lift shaft etc are group controlled which will be measured as per specifications.

16. The rupturing capacity of the MCB's shall be 10KA. The MCB's shall have ISI mark. Quantities of MCBs of different rating of 6 amps to 32 amps shall be brought in consultation and after obtaining approval from the Engineer-in-Charge.
17. All the MCCB's shall be rated for $I_{cs}=I_{cu}$
18. The copper wires to be used on this work shall be FRLS type and ISI marked.
19. The make of switch boxes shall be the same as that of switches. Only the required knockouts of the switch boxes are to be removed for terminating the conduit pipes with PVC glands / check nuts.
Make of MCB / MCCB shall be the same as the make of MCB DB.
All the switch boxes, MCB DBs are to be covered with plastic sheet / petroleum gelly when installed in brick work till the plastering / painting is done to avoid sticking of cement plaster / splashes of the paint. Cement plaster / paint are to be cleaned immediately after plaster to avoid rusting of switch boxes and MCB DBs. The plastic sheet is to be removed at the time of handing over.
All pin 15 amp and 6 pin 15/16 amps power sockets, fan regulator shall be of 2/3 module type.
20. The electrical works shall be carried out by the contractor, side by side with the progress of the civil works.
21. The contractor shall on demand by the Engineer-in-charge, furnish the proof to the satisfaction of Engineer-in-charge regarding purchases of wires, modular switches & accessories, MCB's MCB DB, fittings, accessories and other items, from the manufacturer's authorization outlets.
22. All PVC conduits accessories shall be of the same make as conduits. The conduits shall be terminated at switch boxes / metallic junction boxes with suitable PVC glands / check nuts.
23. Cutting of brick walls shall be with chase cutting machine only. All repairs and patch works shall be neatly carried out to match the original finish and to the entire satisfaction of the Engineer-in-charge.
24. All the sub main and circuit wiring includes loose wire for connections inside switch boxes and MCB DB's No payment for these wires shall be made. However wires within the cubical panel will be measured and paid under relevant item of work. All the circuit/sub main wiring are to be suitably numbered with stickers/marker pen at LT panel, MCB DB's switch boards (ON backside of cover plate) for ease of MAINTENANCE . Nothing shall be paid extra on this account.
25. The contractor shall submit the completion plan separately in triplicate on blue print with one set on tracing "Cloth" as per clause-8 of the contract within 30 days of the completion of work. In case, the contractor fails to submit the plan, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 25, 000.00.
26. To facilitate drawing of wires, 18 SWG GI fish wire shall be provided along with laying of recessed conduit for which no extra payment shall be made. Conduits laid for other services, like fire alarm, PA etc, where wiring is not done along with EI works, fish wire shall be invariably drawn.
27. The connection between incoming switch / isolator and bus bar shall be made with suitable size of thimble and cable at no extra cost.
28. Copper conductor of insulated cables of size 1.5 Sq.mm and above shall be stranded and terminals provided with crimped lugs.
29. All MS junction box cover should be of phenolic laminated / good quality plastic sheet of thickness not less than 3 mm and for which nothing extra shall be paid on the account.
30. All sub-main/power/light wiring shall be terminated in the main board as well as in the switch boards/socket outlets with suitable copper lugs / thimbles for which nothing extra shall be paid on this account.

31. All hardware items such as screw, thimbles, GI wire etc which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
32. All hardware items such as nuts / bolts / screws / washers etc to be used in work shall be zinc / cadmium plate iron.
33. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
34. While laying conduit, suitable size junction boxes shall be provided for pulling the wire as per the decision of the Engineer-in-Charge.
35. Materials to be used in work are to be ISI marked. The make of the materials have been indicated in the list of acceptable makes. No other makes will be acceptable. The materials to be used in the work shall be got approved by the Engineer-in-Charge / his representative before use at site. The Engineer-in-charge shall reserve the right to instruct the contractor to remove the materials which, in his opinion, is not acceptable.
36. Where switches / sockets / regulator / telephone / TV / internet outlets are to be provided the same shall be of only one make.
37. While laying conduits for fire alarm system, sufficient junction outlets are to be provided as per the direction of the Engineer-in-charge for detectors as reqd.
38. Wherever light fittings are proposed to be provided on the false ceiling, the respective light / fan point wiring will have to be brought up to the terminal of the light fittings / fans by the contractor. Flexible metal conduits shall be used for drawing wires from ceiling to fittings on false ceiling and nothing extra shall be paid to the contractor for the same.
39. Rate Rationalization shall be applicable in case the same item appears more than once in the schedule of work under the same sub-head or among the different subhead of works. Accordingly the lowest rate quoted for that item among all the sub-heads shall be considered for all similar items for evaluation of tender and making payment.
40. All statutory deductions like WCT, labour welfare cess etc. shall be made from the bills.

Technical Conditions

Fire Alarm Control Panel

General: -

1. The panel shall be fabricated from 16 gauge (1.6 mm) CRCA sheet, completely dust and vermin proof with neoprene gasket, wall mounting and front openable type with hinged door.
2. The Panel shall have glass door enclosure with lock and key arrangement.
3. Suitable knockouts shall be provided for terminations of conduits and cable gland.
4. The Panel shall be powder coated.
5. All components and their wiring shall be arranged so as to be conveniently attached to from the front of the panel.
6. All indicating lamps shall be LED type and following colors. The zone indicator indicating FIRE should consist of two LEDs.
 - a) FIRE warning indicator should be clearly labeled and colored red.
 - b) FAULT warning indicator should be clearly labeled and colored amber with provision for identifying open/short separately.
7. The feather touch switches and indicating lamps shall be located in the front fascia of the panel and shall be unambiguously labeled.
8. The primary alarm circuit shall be solid state.
9. The PCBs shall be easily removal. The connections to the PCBs shall be through interface cord of plug-in-type.
10. An audible signal along with its silencing switch shall be provided on the control panel.
11. The earthing terminal shall be provided on the frame of control panel.

Features: -

1. The control panel shall continuously monitor OPEN, SHORT leads in each zone, Fire detectors/Manual call point with audio alarm distinct for FIRE and FAULT and shall visually FIRE/FAULT in corresponding zone.
2. For multistoried building separates panel may be installed on each floor with individual power supply and batteries to reduce the interdependence of one panel over the other panel. However a repeater panel may be provided at the ground floor with sounder to indicate the FIRE/FAULT condition at various floors.
3. The panel shall be available in 2, 4 and 8 zone version.
4. The manual controls for switching OFF/ON, MAINS / STANDBY power provided shall not be accessible to outsiders.
5. The panel shall have the following visual indications for
 - a) System ON – Green
 - b) Stand by ON – Green
 - c) Charger ON – Green
 - d) Isolator of a zone for testing purpose.
6. Audio-Visual indication shall be provided for the following :-
 - I. The operation of Fire detector in any zone.
 - II. Short circuit of disconnection of leads in any zone.
 - III. Failure or disconnection of normal power supply.
 - IV. Failure or disconnection of standby power supply.
 - V. Failure or disconnection of battery charging equipment.
 - VI. Battery Voltage Low.
 - VII. Common indication for Earth fault in the panel / zone.
7. The panel shall have the following supervisory facilities.
 - I. Switch for acknowledgement.
 - II. Switch for manual reset of panel after normal of Fire condition.

8. Means shall be provided in the panel to prevent battery from discharging through the charging equipment in the event of its breakdown or failure.
9. (i) Facilities shall be provided to test the zones individually by simulating Fire and Fault condition. On test mode the panel shall automatically reset after a predetermined time, once the fault (or) fire is cleared. The testing authority shall be able to test continuously all the zones without the necessity or resetting the panel every time.
(ii) Each zone shall be capable of isolator for MAINTENANCE (or) purposes leaving the remaining zones in healthy condition so that fire and fault detection in other zones is not affected.
(iii) Facilities for testing all the LEDs shall also be available.
10. Fuse shall be provided for AC, DC and Charger circuit as close to the source of supply in an easily accessible place.
11. The user shall be able to acknowledge the Fire/Fault audio visual alarm and reset the panel directly without the use of any password or key.
12. Only on test condition, Fire and Fault shall reset automatically. On actual conditions also Fault shall reset after clearance automatically. The FIRE alarm should not be silenced automatically. The operation of the silencing switch should automatically result in an audible / visual signal being given in the panel until the FIRE alarm reset.
13. Silencing the sounder shall not prevent fire alarm being activated in any other zone simultaneously.
14. Any fault signal including fault testing which the panel might be experiencing shall not prevent the fire alarm being given if any detector activities at the same time in other zones.
15. When Fire is detected, the corresponding zone LEDs shall flash when the alarm is first signaled and will glow steadily after the silence button is passed.
16. Three 'NO' and 'NC' contacts shall be provided for remote monitoring.
17. When a Fire is detected, all alarms in all zones will give continuous dual tone for Evacuate condition.
18. It shall be possible to program on the panel for isolating the power supply to zones for MAINTENANCE purpose.

Power Supply

1. The entire system shall be suitable to operate on 230V $\pm$ 10%, 50 Hz single phase AC Supply with 12/24 V DC sealed MAINTENANCE free battery as secondary source.
2. The power supply unit shall consist of solid state power rectifier of adequate capacity so as to provide 12/24 V stabilized DC Power as output while receiving 230 volts $\pm$ 10%, 50Hz signal phase AC supply.
3. Battery Voltage Low alarm shall be activated at 10.5 V for 12 V batteries and vice versa.
4. The battery shall be housed inside the control panel itself.
5. Battery charging voltage shall not be greater than 13.6 V for 12 V batteries and 27.2 V for 24 V batteries.
6. The Battery shall be isolated from MS sheet enclosure by means of rubber pad.

Detector

The detector shall have a low mass thermostat heat sensor and operate at a fixed temperature.

Continually monitor the temperature of the air in its surroundings to minimize thermal lag to the required to process an alarm. The integral microprocessor shall determine if an alarm condition initiate an alarm based on the analysis of the data. Systems using central intelligence for alarm decisions shall not be acceptable.

Heat Detector shall have a normal alarm point rating of 135 degree F (57 degree C). The heat detector shall be ceiling installation at a minimum of 70 ft (21.3m) centre and be suitable for wall mount installations.

Temperature / Rate of Rise Heat Detector

Heat Detector shall have a low mass thermistor heat sensor and operate at a fixed temperature and at a temperature rate-of-rise.

Detector continually monitor the temperature of the air in its surrounding minimize thermal lag to the required process and alarm. The integral microprocessor shall determine if an alarm condition exists initiate an alarm based on the analysis of the data. System using central intelligence for alarm installation shall not be acceptable.

Intelligent heat detector shall have a normal fixed temperature alarm point rating of 135 degree F (57degree C) and rate-of-rise alarm point of 15 degree F (9 degree C) per minute.

The heat detector shall be rated for ceiling installation at a minimum of 70 ft (21.3m) centre.

Ionization Smoke Detector

The Analogue ionization detector shall utilize a unipolar ionization smoke sensor to sense change in air temples from its surroundings.

The integral microprocessor shall dynamically examine values from the sensor and initiate an alarm based on the analysis of data. System using central intelligence for alarm decisions shall not be acceptable.

The detector shall continually monitor any changes in sensitivity due to the environmental effects of dirt, smoke, temperature, ageing and humidity. The information shall be stored in the integral processor and transferred to the Analogue loop controller for retrieval using a laptop PC or a hand – held programming tool.

The ion detector shall be rated for ceiling installation at a minimum of 30 ft (9.1m) centers and be suitable for wall mount applications.

The percent smoke obscuration per foot alarm set point shall be field selectable to any of five sensitivity setting ranging from 0.7% to 1.6%.

The ion detector shall be suitable for operation in the following environment:

- Temperature: 32 degree F to 120 degree F (0 degree C to 49 degree C).
- Humidity: 0-93% RH, Non-Condensing.
-

Photoelectric Smoke Detector.

Analogue photoelectric detector shall utilize a light scattering type photoelectric smoke sensor to be changes in air samples its surroundings.

The integral microprocessor shall dynamically examine values from the sensor and initiate an alarm based the analysis of data. System using central intelligence for alarm decisions shall not be acceptable.

The detector shall continually monitor any changes in sensitivity due to the environmental affects of dirt, smoke, temperature, ageing and humidity. The information shall be stored in the integral processor and transferred to the Analogue loop controller for retrieved using a laptop PC hand-held programming tool.

The photo detector shall be rated for ceiling installation at a minimum of 30 ft (9.1m) centers and be suitable for wall mount applications.

The percent smoke obscuration per foot alarm set point shall be field selectable to any of five sensitivity settings ranging from 1.0% to 3.5%. The photo detector shall be suitable for operation in the following environment:

- Temperature: 32 degree F to 120 degree F (0degree C to 49 degree C)

- Humidity: 0-93% RH, Non-Condensing.

Standard Detector Mounting Base

Mounting base shall, contain no electronics and shall support all intelligent detectors types

Removal of the respective detector shall not affect communications with other detectors.

Terminals connections shall be made on the room side of the base. Bases which must be removed to gain success to the terminals shall not be acceptable.

The base shall be capable of supporting one (1) Intelligent Remote Alarm LED Indicator. Provide remote LED alarm indicators where shown on the plans.

Intelligent Modules- General Operation

General shall be possible to address each Intelligent module.

The personality of multifunction modules shall be programmable at site to suit conditions and may be changed at any time using a personality code downloaded from the Analogue Loop Controller.

The module shall have a minimum of 2 diagnostic LEDs mounted behind a finished cover plate. A green LED shall flash to confirm communication with the loop controller. A red LED shall flash to display alarm status.

The module shall be capable of storing different diagnostic codes with can be retrieved for troubleshooting assistance. Input and output circuit wiring shall be supervised for open and ground faults.

The module shall be suitable for operation in the following environment:

- Temperature: 32 degree F to 120 degree F (0degree C to 49 degree C)
- Humidity: 0-93% RH, Non-Condensin

LIST OF ACCEPTABLE MAKES - IEI WORK

If any make stated below does not comply with the technical specifications and or IS Standards then such a make shall not be used in the work.

ITEM / EQUIPMENT	ACCEPTABLE MAKES
Ceiling Fans	Usha/Orient/Atombarg/Havells/CG
Exhaust Fans	Usha/Orient/Havells/CG
MCCBs / MCB DBs / MCBs / RCCBs / Ind Sockets/SDF	Legrand / Hager / Siemens / Schneider Electric / L&T/ Havells /ABB/C&S
Connectors / Terminal Blocks	Elmex / Connectwell / Essen
PVC Insulated (FRLS) Copper conductor multi stranded cables	Finolex / RR Kabel / KEI / Polycab / Havells/Gloster
DLP U PVC Trunking / Under Floor GI Trunking	Legrand / Schneider/ MK/OBO
LED Luminaries	Philips/LT/Wipro/Trilux/K-Lite//Havells /Bajaj/Jaquar
CAT 6 / Telephone / TV Cable	Systimax / Legrand / Mollex / Avaya
PVC Conduits	BEC / Precision / AKG/Anchor/Astral of Medium Class, ISI marked
Medium Class GI pipes	Tata / Jindal / Zenith
Anchor Fasteners	Hilti / Fischer / Wurth
Modular Switches & Accessories	Legrand / Panasonic - / ABB / Crabtree-Athena/ C&S -Primo Plus
Ceiling Roses (3 Plate)	Anchor / Cona / Leader / Havells
MV Panels	Electro Allied Products, OPG, Technomac, Pristine, Masstech, Amit Project & Control, Green Galaxy. The manufacturer must have CPRI test certificate of appropriate rating not older than 5 years from the date of call of tender.
LT UG Cables	Finolex / Havells / Polycab / RR Kabel /Gloster
LIFT	OTIS / Schindler / KONE / Mitsubishi.
Split/Casste AC M/c	Daikin/ O-General/ Mitsubishi Electric/LG/Carrier/ Hitachi
Copper Pipe	
MS Conduits with all Accessories	AKG / BEC / RMCON , ISI marked
Multifunction / Digital meters	Conzerv / AE / Neptune / L&T/Risabh/ Slect
Cable Trays	Legrand / OBO / Hager
DWC HDPE Pipe	Alom/Astral /Duoline/Suprim
Fire Sealant/Smoke Seal strip	Wurth /Promat /Hilti
Anchor Fastener, Rebar Chemical/ Mechanical Fastner, Core- cutting, Expandable fastners	Wurth /Promat /Hilti
Main Fire Panel	NOTIFIER (HONEYWELL) / EDWARDS (UNITED TECHNOLOGIES) / CERBERUS (SIEMENS) / BOSCH/GST

ITEM / EQUIPMENT	ACCEPTABLE MAKES
MCP/ UL approved Fire alarm detector (smoke / heat / optical / multi function etc.)/Sounder/Response Indicator/Fault Isolator	NOTIFIER (HONEYWELL) / EDWARDS (UNITED TECHNOLOGIES) / CERBERUS (SIEMENS) / BOSCH/GST

केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/02

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 08.12.2023

Subject: Modifications in Conditions of Contract, Clause 5 and schedule F in clause 5 of GCC 2023 Maintenance Works

The following amendments are made in the GCC 2023 for Maintenance works.

Existing Provision	Modified Provision
CONDITIONS OF CONTRACT Definitions 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (xvii) (xviii) No provision	CONDITIONS OF CONTRACT Definitions 2. No change:- (i) to (xvii) No Change (xviii) Concurrent delay: Concurrent delays are those delays occurring in the work concurrently in any combination or combination of all delay fall under different sub clauses 5.2, 5.3 and 5.5.
Clause 5 Time and Extension for Delay The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, the performance guarantee shall be forfeited by the Engineer in Charge and shall be absolutely at the disposal of the Government without prejudice to any other right or remedy available in law.	Clause 5 Time and Extension for Delay The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the work shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site, notified by the Engineer-in-Charge, whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid and such default continues even after time period specified in the notice in writing by the Engineer-in-Charge then the performance guarantee shall be forfeited by the Engineer-in-Charge and shall be absolutely at the disposal of the Government without prejudice to

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	any other right or remedy available in law. The contract shall stand determined when such decision of forfeiture of the performance guarantee is issued to the contractor.
5.1 As soon as possible but within 7 (seven) working days of award of work and in consideration of a. Schedule of handing over of site as specified in the Schedule 'F' b. Schedule of issue of designs as specified in the Schedule 'F', i. the Contractor shall submit a Time and Progress Chart for each mile stone. The Engineer-in-Charge may within 7 (seven) working days thereafter, if required modify, and communicate the program approved to the contractor failing which the program submitted by the contractor shall be deemed to be approved by the Engineer-in-Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents. ii. In case of non-submission of construction programme by the contractor, the program approved by the Engineer-in-Charge shall be deemed to be final.	5.1 The contractor as soon as possible but within 7 (seven) days of issue of letter of award of work shall submit a time and progress chart to the Engineer-in-Charge. Such chart shall be made in due consideration of a. Schedule of handing over of site as specified in the Schedule 'F' b. Schedule of issue of design(s) and drawing(s) as specified in the Schedule 'F', i. The Contractor shall submit a Time and Progress Chart for each milestone. The Engineer-in-Charge may within 7 (seven) days of receipt of such chart, make modifications thereafter, if any, and communicate the approved chart to the contractor, failing which the chart submitted by the contractor shall be deemed to be approved by the Engineer-in-Charge. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and the Contractor within the limitations of time imposed in the Contract documents. ii. In case of non-submission of time and progress chart by the contractor, the chart prepared by the Engineer-in-Charge shall be deemed to be final.

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iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract. iv. The contractor shall submit the Time and Progress Chart and progress report using the mutually agreed software or in other format decided by Engineer-in-Charge for the work done during previous month to the Engineer-in-charge on or before 5th day of each month failing which a recovery as per Schedule F to be decided by the NIT approving authority shall be made on per week or part basis in case of delay in submission of the monthly progress report v. No provision	iii. The approval by the Engineer-in-Charge of such programme shall not relieve the contractor of any of the obligations under the contract. iv. The contractor shall submit the Time and Progress Chart containing upto date progress of work using the mutually agreed software or in the format decided by Engineer-in-Charge. Such chart shall be submitted by the contractor on or before 5th day of each month failing which a recovery as mentioned in Schedule 'F' shall be made at the earliest from running account bill without any notice in this regard. v. While recording the hindrances in the progress of the work, due consideration should be given to the cause of hindrance. The hindrances shall be segregated in following categories : a) delays due to reasons beyond the control of both parties (sub-clause 5.2) b) delays attributable to the Department and concurrent delays (sub-clause 5.3). c) delays solely attributable to the contractor (sub-clause 5.5)
5.2 If the work(s) be delayed by:- i. force majeure, or ii. abnormally bad weather, or iii. serious loss or damage by fire, or iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or v. delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in	5.2 Delays due to reasons beyond the control of both parties: If the work(s) delayed by:- i. force majeure, or ii. abnormally bad weather, or iii. serious loss or damage by fire, or iv. civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or v. delay on the part of other contractors or tradesmen engaged by Engineer-in- Charge in

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executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control	executing work not forming part of the Contract, or vi. any other cause like above which, in the reasoned opinion of the Engineer-in-Charge is beyond the Contractor's control.
Then upon the happening of any such event causing delay, the contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.	Then upon the happening of any such event causing delay, the contractor shall within 03 (three) days give online notice thereof through ERP Portal to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the work(s). The contractor shall have no claim on account of any hindrance in case notice(s) are not given by the contractor through ERP portal. The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s) In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency. The decision of Engineer-in-Charge with regard to nature of event causing delay, its start date and end date, as has been finalized during acknowledgement of notice, shall be final and binding. The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice. In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five)


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	days of occurrence of hindrance on ERP portal provided further that not recording of events causing delay by the Engineer-in-Charge does not ipso facto entitle the contractor for any hindrance.
The contractor shall have no claim of damages for extension of time granted or rescheduling of milestone/s for events listed in sub clause 5.2.	No change.
5.3 In case the work is hindered in the opinion of the contractor, by the Department or for any reason / event, for which the Department is responsible, the authority as indicated in Schedule 'F' shall, if justified, give a fair and reasonable extension of time and reschedule the mile stones for completion of work.	5.3 Delays attributable to the department In case the work is hindered, in the opinion of the contractor, by the Department or for any reason / event, for which the Department is responsible, then upon the happening of such event causing delay, the Contractor shall within 3 (three) days give online notice there of through ERP Portal to the Engineer-in-Charge but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the work. The contractor shall not be entitled for any hindrance in case notice(s) are not given by the contractor through ERP portal. The Engineer-in-Charge, on receipt of such notice(s) after considering the factual ground situation, shall either acknowledge or reject the notice(s). In case of rejection, the reason(s) for rejection shall be communicated by Engineer-in-Charge to the agency. The decision of Engineer-in-Charge with regard to nature of event causing delay, its start date and end date, as has been finalized during acknowledgement of notice, shall be final and binding.

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	The end date of such events shall be recorded by Engineer-in-Charge either during acknowledgment of notice or subsequent to acknowledgement if end date of hindrance is after the date of acknowledgement of notice. In absence of notice by the contractor, Engineer-in-Charge or his representative(s) may record the events causing delay within 05 (five) days of occurrence of hindrance on ERP portal provided further that not recording of events causing delay by the Engineer-in-Charge does not ipso facto entitle the contractor for any hindrance.
Such extension of time or rescheduling of milestone/s shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delays under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2 the contractor shall be entitled to only extension of time and no damages.	Such extension of time or rescheduling of milestone(s) shall be without prejudice to any other right or remedy of the parties in contract or in law, provided further that for concurrent delay(s) under this sub clause and sub clause 5.2 to the extent the delay is covered under sub clause 5.2, the contractor shall be entitled to only extension of time and shall have no claim of damages.
5.4 Request for rescheduling of Mile stones or extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed forms i.e. Form of application by the contractor for seeking rescheduling of milestones or Form of application by the contractor for seeking extension of time (Appendix - XVI) respectively to the authority as indicated in Schedule 'F'. The Contractor shall indicate in such a request the period by which rescheduling of milestone/s or extension of time is desired. With every request for rescheduling of milestones, or if at any time the actual progress of work falls behind the approved programme by more than 10% of the stipulated period of completion of contract, the contractor shall produce a revised programme without causing any delay in execution	5.4 Rescheduling of milestone(s) and 'extended date of completion' The request for rescheduling of Milestone(s) and extension of time, shall be made by the Contractor through ERP Portal once in a month on the basis of hindrances accepted by Engineer-in-Charge under sub-clause 5.2 and sub-clause 5.3. The Contractor shall indicate in such a request number of days by which rescheduling of milestone(s) and/or extension of time is desired. Deleted

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of the work. A recovery as specified in Schedule 'F' shall be made on per day basis in case of delay in submission of the revised programme.

No provision

The authority as indicated in Schedule 'F', after examining the request, shall give a fair and reasonable extension of time for completion of work and simultaneously reschedule the milestone(s), if required so. The authority shall consider all the hindrances accepted as per sub-clauses 5.2, 5.3 and 5.5.

The authority shall decide rescheduling of milestone(s) and extension of time within 21 (Twenty One) days of the request submitted by the contractor through ERP portal. In event of no request by the contractor for rescheduling of milestone(s) and extension of time, the authority as indicated in Schedule F, after affording opportunity to the contractor, may give fair and reasonable extension of time based on hindrances accepted by Engineer-in-Charge and reschedule the milestone(s) once in a month. Such justified extension of time shall determine the 'extended date' of completion of work.

5.4.1 In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time for completion of work or reschedule the mile stones.

5.4.1 Provided that the end date of any event causing delay shall not fall beyond the date of request for extension of time or rescheduling of milestone(s) by the contractor. In case end date of event falls beyond the date of submission of said request, then period for extension up to date of application shall be considered in the said request for events eligible for consideration and remaining period shall be applied in subsequent request of extension of time or rescheduling of milestone(s).

E-in-C shall finalize/ reschedule a particular mile stone before taking an

Engineer-in-Charge shall finalize/ reschedule a particular mile stone

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action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 days of the date of receipt of such request from the Contractor in prescribed form. In event of non-application by the contractor for extension of time E-in-C after affording opportunity to the contractor, may give, supported with a programme (as specified under 5.4 above), a fair and reasonable extension within a reasonable period of occurrence of the event.	before taking an action against subsequent mile stone. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 21 (twenty one) days of the date of receipt of such request from the Contractor on ERP Portal.
5.5 In case the work is delayed by any reasons, in the opinion of the Engineer- in-Charge, by the contractor for reasons beyond the events mentioned in clause 5.2 or clause 5.3 or clause 5.4 and beyond the justified extended date, without prejudice to right to take action under Clause 3, the Engineer-in-Charge may grant extension of time required for completion of work without rescheduling of milestones. The contractor shall be liable for levy of compensation for delay for such extension of time.	5.5 Delays attributable solely to the contractor In case the work is delayed by reasons solely attributable to the contractor, then Engineer-in-Charge or his representative(s) may record the event causing delay within 05 (five) days of occurrence of delay in the ERP portal. Contractor shall take the notice of the same for necessary action. He may submit his version, if any within 05 (Five) days. Engineer-in-Charge, considering the version of the contractor, will take decision on such recording of the event and the decision of the Engineer-in-Charge shall be final and binding. The contractor shall be liable for levy of compensation for such delays (i.e. for the period beyond the justified extended date of completion as determined in sub clause 5.4 and this default of contractor shall be dealt in conjunction with clause 2 of the contract. In case the work is delayed, due to hindrances attributable solely to the contractor, beyond the justified extended date (as stated in sub clause 5.4), the authority indicated in Schedule 'F', without prejudice to provisions to take action under Clause 3, may grant extension of

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	time required for completion of work without rescheduling of milestone(s) and extend the date of completion.
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) SCHEDULE 'F' Clause 5 Authority to decide: i. Extension of time (Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be) ii. Rescheduling of mile stones (Superintending Engineer/ PM/CPM in Charge or Superintending Engineer/ PM/CPM in Charge of Major Component in case of Composite Contracts, as the case may be) iii. Shifting of date of start in case of delay in handing over of site (Superintending Engineer/ PM/CPM in Charge or Superintending Engineer in Charge of Major Component in case of Composite Contracts, as the case may be)	PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect. & Hort. Works in case of Composite Tenders) SCHEDULE 'F' Clause 5 i. Authority to convey the decision of shifting of milestone and extension of time (Engineer-in-Charge or Engineer-in-Charge of Major Component in case of Composite Contracts, as the case may be) ii. Authority to decide rescheduling of milestone and extension of time (SE/SE&PD/CE/ CE&ED). iii. Shifting of date of start in case of delay in handing over of site (SE/SE&PD/CE/ CE&ED).

This OM is applicable for all NITs uploaded after date of issue of this OM.

This is issued with the approval of DG CPWD.


 08.12.2023
 (वी. पी. साहू)

अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file 9161772

के.लो.नि.वि. तथा लो.नि.वि. दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु (के.लो.नि.वि.वेबसाईट के माध्यम से)।


 R.K. JAIN
 (EE (Contact))

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केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/03

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 18.12.2023

Subject: Modifications in Conditions of Contract, Clause 12 and Schedule E and F of GCC 2023 for Maintenance Works

The following amendments are made in the GCC 2023 Maintenance Works:

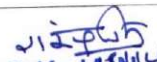
Existing provision	Modified provision
CONDITIONS OF CONTRACT	CONDITIONS OF CONTRACT
Definitions 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (x)(a)	Definitions 2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:- (i) to (x) (a) No change
(x) (b) Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued upto the date of receipt of the tender.	(x) (b) Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender documents or the standard Schedule of Rates of the government mentioned in Schedule 'F' hereunder, with the amendments thereto issued previous day of the last date of submission of the tender.
(xi) to (xv)	(xi) to (xv) No change
(xvi) No provision	(xvi) Extra items are those items which are not available in the contract. a. Non Schedule Extra Items are those items which are not available in the Standard Schedule of Rates specified in Schedule F. b. Scheduled Extra Items are those items which are available in the Standard Schedule of Rates specified in Schedule F.
(xvii) No provision	(xvii) Completion cost: The completion cost includes gross amount of work done, amount of extra item(s) and deviation(s) and escalation amount admissible as per agreement etc.


 R.K. JAIN
 (EE (Contact))

(xviii) No provision	(xviii) Maintenance work: Maintenance work(s) are those work(s) which includes upgradation, aesthetic improvement, special repair, addition/ alteration, annual repair, comprehensive maintenance work etc.
Clause 12 Deviations/ Variations Extent and Pricing The Engineer-in-Charge shall have power (i) to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for other reasons and the contractor shall be bound to carry out the works in accordance with any instruction given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.	Clause 12 Deviations/ Variations Extent and Pricing No change
The completion cost of any agreement for maintenance works including works of upgradation, aesthetic, special repair, addition/ alteration should not exceed two times the contract amount. Deviation upto 1.25 times of contract amount shall be approved by Engineer-in-Charge with recorded reasons. Deviation beyond 1.25 times upto 1.50 times of contract amount shall be approved by SE/CE (as applicable) with recorded reasons. In exceptional case, ADG/SDG (as applicable) shall have power to approve the deviation beyond 1.50 times upto 2.0	The completion cost shall, in no case, exceed 1.5 times the contract amount. Contractor will devise a system to keep a watch on quantum of work taken up vis-a-vis balance items required to complete defined scope of work and will give the alerts to Engineer-in-Charge before taking up extra item(s), deviation(s) so that completion cost does not exceed above limit. Work executed beyond above limit will neither be recorded nor be paid.


 R.K. JAIN
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times of contract amount with recorded reasons and take suitable corrective action.	Engineer-in-Charge will verify and confirm the alerts before assigning deviation(s) and / or extra item(s) to the contractor. If additional work(s) is required to complete defined scope of work beyond above limit then Engineer-in Charge may take up such work(s) separately. The contractor will not have any claim(s) whatsoever on this account.
12.1 The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows : (i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus (ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge	12.1 The time for completion of the works shall, in the event of any deviation(s) and extra item(s) resulting in additional cost over the contract amount will be extended, if requested by the contractor, as follows : (i) In the proportion to the additional cost of work, bears to the original contract amount plus (ii) 25% of the time calculated in (i) above.
12.2 Deviation, Extra Items and Pricing Extra items are those which are not available in the contract. For percentage rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule F, shall be paid as per the said schedule rate plus cost index (considered in the estimated cost put to tender) plus/minus percentage above/below quoted on estimated cost put to tender. For item rate tenders, the extra item(s) which are available in the standard schedule of rates specified in Schedule F, shall be paid as per the said schedule rate plus cost index (considered in the	12.2 Deviation, Extra Items and Pricing Deleted Deleted


 R.K. JAIN 463
 (EE (Contact))

estimated cost put to tender) plus/minus percentage above/ below worked out on the basis of overall contract amount and estimated cost of the work put to tender.

In the case of extra item(s) which are not available in the standard schedule of rates specified in Schedule F, the contractor may within fifteen days of the receipt of order or occurrence of the item(s), submit claim for market rate(s), supported with proper analysis of rate and manufacturer's specification for the work, invoices, vouchers, etc. (as applicable),

failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.

(a) **Non Schedule Extra Item(s)** - The contractor, shall within fifteen days of the receipt of order to execute extra item(s) or occurrence of the item(s), submit analysis of rate of extra item(s) based on the rate(s) of material(s) available in basic rate of Standard Schedule of Rate mentioned in schedule F and rate(s) of the material(s) based on tax paid bills which are not available in standard Schedule of Rate mentioned in schedule F. For this purpose, the basic rate of material(s) available in Schedule of Rate(s) mentioned in Schedule F will be enhanced or reduced by the applicable cost index, as the case may be.

The rate(s) of the material(s) which are not available in Standard Schedule of Rates, mentioned in Schedule F, shall be based on, tax paid bill(s) for the material(s) as defined in manufacturer's specification.

Material rate(s) from Standard Schedules of Rate(s) shall be given priority in the analysis of rate(s). The rate of extra item will be

- i. Analyzed rate(s) as above multiplied by (Contract amount divided by estimated cost put to tender), if tendered amount is below the estimated amount put to tender.
- ii. Analyzed rate, if the Contract amount is above the estimated amount put to tender.

Failing which the rate(s) approved later by the Engineer-in-Charge shall be final and binding.


R.K. JAIN
(EE (Contact))

Where the contractor submits claim for market rate(s) in the manner prescribed above, the Engineer-in-Charge shall, within 45 days of the receipt of the claims, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.	Where the contractor submits analysis of rate(s) of extra item(s) in the manner prescribed above, the Engineer-in-Charge shall, within 60 days of the receipt of the analysis of rate, after giving consideration to the analysis of rates and other documents submitted by the contractor, determine the rate(s) of extra item(s). The contractor shall be paid in accordance with the rate(s) so determined. However provisional rate(s) on the basis of invoice will be allowed by the Engineer-in-Charge. Invoice shall be accepted only for material(s) not available in the Standard Schedule of Rates mentioned in Schedule F. The contractor while submitting the tax paid bill of purchased material(s) shall ensure that rate(s) of the materials are reasonable and lowest available in the market. If Engineer-in-Charge feels rates in tax paid bill(s) submitted by contractor are not reasonable then he can modify the rate(s) after giving a notice to the contractor. Engineer-in-Charge is the final authority to decide applicable rate(s) of material(s).
(b) No Provision	(b) Scheduled Extra Items - For percentage rate tender, the extra item(s) shall be paid as per the Standard Schedule of Rates, mentioned in Schedule F, enhanced or reduced by the applicable cost index and further enhanced or reduced by percentage above/ below quoted by the contractor on estimated cost put to tender. - For item rate tender, the extra item(s) shall be paid as per the said schedule rate enhanced or reduced by the applicable cost index and multiplied by (Contract amount divided by estimated cost put to tender).

R.K. Jain
R.K. JAIN
 (EE (Contact))

The rate(s) of extra items so determined by the Engineer-in-Charge shall be final and binding on the contractor, and shall not be arbitrable.	The rate(s) of extra item(s) so determined by the Engineer-in-Charge shall be final and binding on the contractor.
12.3 Deviation, Deviated Quantities, Pricing All the deviated quantities shall be paid at agreement rates	12.3 No change
12.4 The case of any operation incidental to or necessarily has to be in contemplation of tenderer while quoting filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.	12.4 No Change
12.5 No provision	12.5 Cost index Latest available Cost index at the time of beginning of execution of extra item(s) shall be used in sub-clauses 12.2 (a) and 12.2 (b) for calculation of rate(s) of extra item(s).
12.6 No provision	12.6 Labour rates Labour rates will be based on latest available circulars issued by Central Govt. or State Govt. whichever are higher as well as applicable for the work.
PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) SCHEDULE 'E' Reference to General Conditions of Contract	PROFORMA OF SCHEDULES (Separate Performa for Civil, Elect.& Hort. Works in case of Composite Tenders) SCHEDULE 'E' Reference to General Conditions of Contract : (GCC EPC Projects 2022/ GCC Maintenance Works 2023/ GCC Construction Works 2023)


R.K. JAIN 4/20/23
 (EE (Contact))

	Applicable GCC is as modified & corrected upto previous day of the last date of submission of the tender. (NIT approving authority to mention one GCC in the space provided above)
SCHEDULE 'F' GENERAL RULES & DIRECTIONS: Officer inviting tender Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. See below	SCHEDULE 'F' GENERAL RULES & DIRECTIONS: No Change Deleted
9 (ii) Standard CPWD contract Form GCC 2020, CPWD Form 7/ 8 as modified & corrected upto	9(ii) Standard CPWD contract Form General Conditions of Contract Maintenance Works 2023 , CPWD Form 7/ 8 as modified & corrected upto previous day of the last date of submission of the tender.
Clause 12 12.2 Deviation Limit beyond which clauses 12.2 shall apply for building work	Clause 12 Deleted

This issues with the approval of DG CPWD.


18.12.2023
(वी. पी. साहू)

अधीक्षण अभियंता(सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9163323

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)


R.K. JAIN
(EE (Contact))

**Central Public Works Department
Office Memorandum**

No. DG/CON/Maintenance 2023/07

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 05.03.2024

Subject: Modifications in Clause 19 of GCC 2023 for Maintenance Works

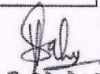
The following amendments are made in the GCC 2023 for Maintenance Works.

Existing provision	Modified provision
Clause 19 Labour Laws to be complied by the Contractor The contractor shall comply with the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971. The contractor shall also obtain a valid licence under the said Act before the commencement of the work, and continue to have a valid licence until its completion. The contractor shall also comply with provisions of the Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979. The contractor shall also abide by the provisions of the Child and Adolescent Labour (Prohibition and Regulation) Act, 1986, amended by Amendment Act No. 35 of 2016 and thereafter time to time. The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.	Clause 19 Labour Laws to be complied by the Contractor No change No change No change No change. No change

21/03/24
R.K. JAIN
(EE (Contact))

No provision	The contractor shall also comply with the provisions of Sexual Harassment of Women at Workplace (Prevention Prohibition and Redressal) Act, 2013 and amendment thereafter time to time.
Any failure to fulfill these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.	Any failure to fulfil these requirements shall attract the penal provisions of the relevant act and in this contract
Clause 19 M No Provision	Clause 19 M Sexual Harassment of Women at Workplace The contractor shall comply with all provision(s) and guideline(s) of Sexual Harassment of Women at Workplace (Prevention Prohibition and Redressal) Act, 2013 and amendment thereafter time to time or any other rules framed under any labour law affecting women worker(s).

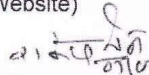
This issues with the approval of DG CPWD.


05.03.2024
(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023 e-file no. 9163323

To all the concerned officers of CPWD/PWD for information and necessary action please. (Through CPWD Website)


21/03/2024
R.K. JAIN
(EE (Contact))

Central Public Works Department

Office Memorandum

No. DG/CON/Maintenance 2023/08

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 03-06-2024

Subject: Modifications in Clause 36 of GCC 2023 for Maintenance Works

The following amendment is made in the Clause 36 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 36 If relative working in CPWD then the contractor not allowed to tender The contractor shall not be <u>permitted</u> to tender for works in the CPWD circle <u>(Division in case of contractors of Horticulture/Nursery categories)</u> responsible for award and execution of contracts in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the <u>Superintending Engineer</u> and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working <u>with him in any capacity</u> or are subsequently employed by him and who are near relatives to any <u>Gazetted Officer in the C.P.W.D. or in the Ministry of Housing and Urban Affairs</u>. Any breach of this condition by the contractor would render him liable to be <u>removed from the approved list of contractors of this Department</u>. <u>If however the contractor is registered in any other department, he shall be debarred from tendering in CPWD for any breach of this condition.</u> NOTE: By the term "near relatives" is meant <u>wife, husband, parents, and grandparents, children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws</u>	Clause 36 If relative working in CPWD then the contractor is not allowed to participate in the tendering process The contractor (enlisted or non-enlisted in CPWD) shall not be allowed to participate in the tender for work(s) in the CPWD Zone/circle /Division/Sub-Division responsible for award and/or execution of contract(s) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of the Chief Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working or are subsequently employed by him and who are near relatives to any Officer working in the CPWD. Any breach of this condition by the contractor would render him liable to be debarred for a period upto two years from tendering in CPWD as decided by the accepting authority mentioned in Schedule F and his decision will be excepted from clause 25.
	No change.

This issues with the approval of DG, CPWD.

03.06.2024
(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file 9135972

All CPWD and PWD officers for information and necessary action (Through CPWD website)

17.07.2024
R.K. JAIN
EE (Contract)

**Central Public Works Department
Office Memorandum**

No. DG/Enlist. Rules-2023/ 07

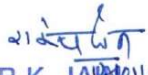
**ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD
Nirman Bhawan, New Delhi** **Dated: 12.01.2024**

Sub: Modification for enlistment under rule 12.0 in ER-2023.

Ref:- OM No. DG/ Enlst. Rules-2023/03 dated 20.09.2023

Following modification is made in the Enlistment Rules 2023.

Existing Provision	Modified Provision
12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below: (a) to (d) (e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit at of CPWD before 31.12.2023. Training will be valid only when participants are registered and certificate issued through LMS (Learning Management System) in ERP. From 01.01.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of above training.	12.0 Enlisted contractor's obligations The contractor shall fulfill all his obligations under these Rules in the prescribed manner, failing which he shall be liable for disciplinary action as mentioned therein. Some of the obligations are summarized below: No Change (e) The existing enlisted contractor either himself or his authorized representative shall take compulsory ERP training through any of the CPWD Regional Training institutes (RTIs) at Delhi, Mumbai, Chennai and Kolkata, National CPWD Academy (NCA) Ghaziabad, Training arranged by Graduates of ERP "Train the Trainers Programme" conducted by NCA, Ghaziabad or through any other special training arranged by ERP unit at of CPWD before 31.03.2024. Training will be valid only when participants are registered and certificate issued through LMS (Learning Management System) in ERP. From 01.04.2024, the enlisted contractor will not be allowed to participate in tendering process without uploading the certificate of above training.


R.K. JAIN
 (EE (Contact))

(f) The newly enlisted contractor or his authorized uploading the training certificate.	(f) No change.
The enlisted Headquarter for training purpose.	No change

This issues with the approval of DG CPWD.


12.01.2024
(V.P. Sahu)

Superintending Engineer (C&M)

Issued from file No. CSQ/CM/18(4)/2023, e- file 9161361

All CPWD and PWD officers for information and necessary action.(Through CPWD website)


R.K. JAIN 12/01/2024
(EE (Contact))

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/10
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 09.10.2024

Subject: Modifications in Clause 10A of GCC 2023 for Maintenance Works.

The following amendment is made in the Clause 10A of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 10A Materials to be provided by the contractor The contractor shall as specified in Schedule F. No Provision	Clause 10A Materials to be provided by the contractor (i) No Change (ii) Maintenance of Material at Site (MAS) Register (a) MAS register of the key materials including Cement, Steel Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical Water proofing compound material and other items as required by Engineer-in-Charge, and shall be maintained as per proforma in Appendix-XX of GCC. All the entries in the MAS registers are made by the designated staff of the contractor and same is reviewed weekly by the authorized representative and fortnightly by the Engineer-in-Charge. However, contractor is responsible for maintenance and safe custody of MAS registers.
(b) No provision	(b) The self-attested copies of tax paid bill of all the materials entered in the MAS register shall be submitted by the contractor at the time of review by representative of Engineer-in-Charge. In case of any doubt, genuineness of the tax paid bills; it can be verified by the representative of the Engineer-in-Charge or the Engineer-in-Charge, however, onus of genuineness of tax paid bills rest with the contractor.

R K SINGH
EE(Manual)

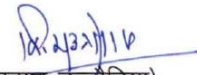
1/2

Appendix-XX
REGISTER OF MATERIAL AT SITE (MAS)

1. Division/Sub-division
2. Name of Work
3. Name of Article/Item
4. Estimated Requirements

S. No.	Date of Receipts (Details of Challans/ Bills, Specific location where Plants and Materials received/ Vehicle No.	Received from/ Issued to	Quantity Received	Date of issue	Specific location where Plants & Materials Displayed / Delivered / issued	Quantity Issued	Balance Quantity	Signature of authorized representative of contractor	Signature of authorized representative of Engineer -in-Charge/ AE/EE/	Remarks
1	2	3	4	5	6	7	8		9	10

This issues with the approval of DG, CPWD.


 (दिनेश कुमार उज्जैनिया)
 अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/ Maintenance/2024
e-file 9184028 (DFA/9301389)

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)


 R.K. SINGH
 EE (Manual)



केन्द्रीय लोक निर्माण विभाग

कार्यालय ज्ञापन

No. DG/CON/Maintenance-2023/11

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Nirman Bhawan, New Delhi

Dated: 29.10.2024

Subject: Modifications in Conditions of Contract, Clause 10A of GCC Maintenance Works 2023.

Following amendments are made in the GCC Maintenance Works 2023 :-

Existing Provision	Modified Provision
Clause 10A: Materials to be provided by the Contractor (i) The contractor shall, thereof and in case of default, the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor. The contractor shall at his own expense, provide a material testing lab at the site for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in schedule F. No Provision	No Change Field Laboratory: The contractor shall at his own expense, setup a material testing lab equipped with the testing equipment as specified in schedule F at site for conducting routine field test. External Laboratory: Letter for submitting sample(s) for testing of material shall be sent through e-mail to the Lab by authorized representative of Engineer-in-Charge or Engineer-in-Charge of the work along with name(s) of test(s) to be done on the material. The contractor shall collect the sample(s) from the site and submit it to the lab; make necessary payment for the testing charges. He will inform on the same day through email to


 R K SINGH
 EE(Manual)

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No Provision	authorized representative of Engineer-in-Charge and Engineer-in-Charge regarding submission of sample (s) and payment made to the lab. If he either fails to collect or submit the sample(s) to the lab within 03 days or in time as prescribed in the specifications, whichever is earlier, the Engineer-in-Charge shall collect and submit the sample(s) and make necessary payment for testing charges to the lab. In such case, Engineer-in-Charge shall make recovery on account of collection and submission of sample(s) to the lab and paid testing charges etc. from the next R/A bill / Final bill of the contractor. This action of Engineer-in-Charge shall be final and binding. If the contractor fails three times in collection and/or submitting sample(s) and/or fails to make payment for testing charges, the contractor shall be debarred from tendering in CPWD for a period of two years.
Sl. no. (ii) (a) and (b)	No change

This OM is applicable for all NITs uploaded after date of issue of this OM.

This is issued with the approval of DG CPWD.

(दिनेश कुमार उज्जैनिया)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/2024/Maintenance e-file- 9184436 (DFA/9303295)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनवि वेबसाइट के माध्यम से)

R K SINGH
EE(Manual)

**केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन**

No. DG/CON/Maintenance 2023/12

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 03.01.2025

Subject: Modifications in General Rules and Directions of GCC 2023 for Maintenance Works.

The following amendments are made in the General Rules and Directions of GCC 2023 for Maintenance Works:

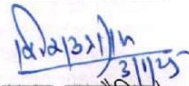
Existing provision	Modified provision
Applicable for Item Rate Tender only (CPWD - 8) 4 The rates rupee one. In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer. If the revised their tenders. In case of any be forfeited. In case all lowest contractors. Contractor of the work.	Applicable for Item Rate Tender only (CPWD - 8) 4 No change In case the lowest tendered amount (worked out on the basis of quoted rate of Individual items) of two or more contractors is same, then such lowest contractors may be asked to submit revised price bid online using e-tender website, quoting rate of each item of the schedule of quantity for all sub sections/sub heads as the case may be, on the revised template which has been sent to them by the Tender Inviting Authority (TIA), but the revised quoted rate of each item of schedule of quantity for all sub sections/sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer. No change
Applicable for Percentage Rate Tender only [CPWD- 7] 4B In case the lowest tendered amount (estimated cost + amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning	Applicable for Percentage Rate Tender only [CPWD- 7] 4B In case the lowest tendered amount (estimated cost $\pm$ amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit revised price bid online quoting percentage above/


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percentage above/ below on estimated cost of tender including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.	below on estimated cost of tender including all sub sections/sub heads as the case may be on the revised template which has been sent to them by the Tender Inviting Authority (TIA), but the revised percentage quoted above/below on tendered cost or on each sub section/ sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.
In case of any be forfeited.	
If the revised their tenders.	No change
In case all process of the work.	

This issues with the approval of DG, CPWD.


(दिनेश कुमार उज्जैनिया)
अधीक्षण अभियंता (सी.एंड एम.)

Issued from file No. CSQ/CM/17(1)/ Maintenance/2024
e-file 9185053 (DFA/9307326)

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाईट के माध्यम से)


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केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/Maintenance 2023/13

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 31.01.2025

Subject: Modifications in Clause 7A of GCC 2023 for Maintenance Works

The following amendments are made in the Clause 7A of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7A 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 are submitted by the contractor to the Engineer-in-Charge.	Clause 7A (a) No Running Account Bill/Final Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable are submitted by the contractor to the Engineer-in-Charge. (b) The following documents shall also be part of the bill submitted by the contractor (these documents shall be owned by the contractor) before making payment:- 1. Details of person employed with date of their employment up to previous month. 2. Documents of payment made to the employees directly into their bank accounts up to previous month. 3. Documents of attendance through biometric attendance or other mode up to previous month. 4. Documents of deposition of EPF and ESI deductions in the employee's accounts up to previous month. 5. Any penalty imposed on the agency for delay in disbursing payment and deposition of EPF and ESI deductions in the employee's accounts up to previous month. 6. Any other document(s) required as per statutory requirements and/or as directed by Engineer-in-Charge. (c) In case, any of the documents submitted by the contractor is found false/forged at a later date, action for debarment of contractor will be taken by the SE/CE concerned.

This issues with the approval of DG, CPWD.

Issued from file No. CSQ/CM/17(1)/2023/Maintenance e-file 9184028 (DFA/9313089)
केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनिवि वेबसाइट के माध्यम से)

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EE(Manual)

Central Public Works Department
Office Memorandum
No. DG/CON/Maintenance 2023/14
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 10.02.2025

Subject: Modifications in Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clauses 7, 8, 9 and Schedule F of clause 8 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 7 Existing provisions No provision	Clause 7 No change In case of correction / rejection / short documents, it will be mandatory for Engineer-in- Charge to give recorded reasons for correction / rejection / submission of additional documents within seven days after submission of running bill by the contractor.
Clause 8 Completion Certificate Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within thirty days of the receipt of such notice, the Engineer-in-Charge shall inspect the work and if there is no defect in the work, shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate sum actually realized by the sale thereof.	Clause 8 Completion Certificate Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and the Engineer-in-Charge within seven days of receipt of intimation of completion from contractor will inspect the work and satisfy himself about completion of work, then intimate to the concerned authorities as mentioned in Schedule F for issuance of completion certificate. The concerned authorities will inspect the work and issue completion certificate within thirty days of the receipt of such intimation. The Engineer-in-Charge shall furnish to the contractor a final certificate of completion as the case may be, indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates. No change.

R K SINGH
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EE(Manual)

Page 1 of 3

Clause 9 Payment of Final Bill

The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period of three months the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized Asstt. Engineer, complete with account of materials issued by the Department and dismantled materials.

R K SINGH
10.2.25
EE(Mandali)

Clause 9 Payment of Final Bill

- i. The final bill shall be submitted by the contractor **to the Engineer-in-Charge** in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final **completion** certificate furnished by the Engineer-in-Charge whichever is earlier. **At the time of submission of the final bill, receipt will be given by the O/o Engineer-in-Charge.**
- ii. **In case of correction / rejection / short documents, it will be mandatory for Engineer-in-Charge to give recorded reasons for correction / rejection / submission of additional documents within fifteen days after submission of final measurement and/or final bill by the contractor.**
- iii. **Final bill will be accepted with all pre-requisite documents such as sanctioned copies of extra items and deviation in quantities, escalation statements, recovery statement, theoretical statement, completion certificate, final extension of time case, mandatory tests statement, dismantled materials account and other documents as mentioned in clause-7 A etc.**
- iv. **An undertaking along the final bill will be submitted by the contractor that "I / we hereby under take that all the measurements/claims payable under this contract have been included in the final bill and will not submit any other bill/claims in future under this agreement thereafter".**
- v. No further claims shall be entertained from the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer in

केन्द्रीय लोक निर्माण विभाग
कार्यालय झापन

No. DG/CON/ Maintenance 2023/15
ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 03.03.2025

Subject: Modifications in Clause 14 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clause 14 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 14 Carrying out part work at risk & cost of contractor If contractor: (iii) The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to : (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor.	Clause 14 Carrying out part work at risk & cost of contractor If contractor: (iii) The Engineer- in-Charge without invoking action under clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Government, by a notice in writing to take the part work / part incomplete work of any item(s) out of his hands and shall have powers to : (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or (b) Carry out the part work / part incomplete work of any item(s) by any means at the risk and cost of the contractor. The contractor, from whom a part work / part incomplete work of any item(s), has been taken out of his hands, shall not be allowed to participate in the tendering/quotation process of part work / part incomplete work of any item(s).

This issues with the approval of DG, CPWD.

(आर. के. सिंह)

कार्यपालक अभियन्ता (एम.)

Issued from file No. CSQ/CM/17(1)/2023/ Maintenance e-file-9184028 (DFA/9319526)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।
(केलोनवि वेबसाईट के माध्यम से)

R K SINGH
EE(Manual)

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/CON/ Maintenance 2023/16

ISSUED BY AUTHORITY OF DIRECTOR GENERAL, CPWD

NIRMAN BHAWAN, NEW DELHI

Dated: 16.06.2025

Subject: Modifications in Clause 25.2(b) and 25.6 of GCC 2023 for Maintenance Works.

The following amendments are made in the Clause 25.2(b) and 25.6 of GCC 2023 for Maintenance Works:

Existing provision	Modified provision
Clause 25.2 (b) Qualification of Arbitrators: It is a term of this contract that each member of the Arbitral Tribunal shall be Graduate Engineer with experience in execution of public works engineering contracts, and he should have worked earlier at a level not lower than the Chief Engineer (equivalent to level of Joint Secretary to the Government of India). The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator. The age of Arbitrator at the time of appointment shall not exceed 75 years. An Arbitrator may be appointed notwithstanding the total number of active arbitration cases with him. Clause 25.6 Fee payable to Arbitrator(s): The fee payable to the arbitral tribunal shall be as per CPWD OM No.2/2006/SE(TLC)/CSQ/137 dated 19.11.2019 (or latest amendment), and shall be shared equally by both the parties.	Clause 25.2 (b) Qualification of Arbitrators: It is a term of this contract that each member of the Arbitral Tribunal shall be Graduate Engineer (in Civil or Electrical or Mechanical Engineering) with experience in execution of public works engineering contracts and he should have worked earlier at a level not lower than the SAG (Level 14 of 7th CPC) of the Government of India). The aforesaid educational qualification and work experience shall be mandatory for appointment as Arbitrator. The age of Arbitrator at the time of appointment shall not exceed 70 years. Clause 25.6 Fee payable to Arbitrator(s) for arbitration cases, shall be as per the fee given in the fourth schedule of the Arbitration & Conciliation Act, 1996 (or latest amendment), and shall be shared equally by both the parties.

This issues with the approval of DG, CPWD.

अधीक्षण अभियंता (सी. एंड एम.)

Issued from file No. CSQ/CM/17(1)/2025 / Maintenance e-file 9135700 (TLC File)

केलोनवि तथा लोनवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु।

(केलोनवि वेबसाइट के माध्यम से)

[Signature] 16.06.25
R K SINGH
EE(Manual)

[Signature]
(चन्द्र पाल)

16/06/2025

केन्द्रीय लोक निर्माण विभाग
कार्यालय ज्ञापन

No. DG/Manual-2024/20

ISSUED BY THE AUTHORITY OF DIRECTOR GENERAL, CPWD

Vidyut Bhawan, New Delhi

Dated: 27.02.2026

Sub: Modification in Para 5.2 for CPWD Works Manual 2024.

Following modification is made in Para no. 5.2 for CPWD Works Manual 2024:

Existing Provision	Modified Provision
5.2 Performance Guarantee	5.2 Performance Guarantee
Sl. No. 1	No Change
2. PG shall be 5% of the contract amount or as prescribed from time to time to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of sixty days beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.	2. PG shall be 5% of the Estimated cost put to tender (ECPT) or contract amount whichever is higher , or as prescribed from time to time, to be submitted in the form as prescribed in GCC. Performance Guarantee shall remain valid for a minimum period of six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be obtained from the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per contract conditions.
Sl. No. 3	No Change
4. No provision	4. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender.
5. No provision	5. Requirement of Additional Performance Guarantee (APG) : In case of abnormally low bids as defined above, the bidder shall be required to submit Additional Performance Guarantee (APG) in addition to the Standard Performance Guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. (e.g. if ECPT is A and quoted amount is 0.7A then the amount of APG shall be

12/2/26 B.P. Jindal
EE (Contract)

	0.8A – 0.7A). The Additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc. of APG shall be same as that of PG.
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This is issues with the approval of DG CPWD.

अधीक्षण अभियंता

Chander Pal
27.02.2026
((चन्द्र पाल))
सी. एण्ड एम. (सी. एण्ड एम.)
Chander Pal, SE (C&M)

Issued from file No. CSQ/CM/16(1)/2026 e-file 9212995 (DFA/ 9365789)

केलोनिवि तथा लोनिवि दिल्ली के सभी अधिकारियों को आवश्यक सूचना एवं कार्यवाही हेतु। (केलोनिवि वेबसाईट के माध्यम से)

D.P. Jindal
27.12.26

D.P. Jindal
EE (Contract)

Proforma for Quoting the Rates

Central Public Works Department					
NIT No.: 106/NIT/EE-KOL-III/CPWD/2026-2027					
Name of work: -Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). [Civil + Electrical] SH-I : Repair and renovation of Rooms with flooring and painting. SH-II: Repair & Renovation of Electrical Wiring and Fittings with provision of LED Lights.					
Estimated Cost put to tender (₹)			Rs. 41,30,735.00 (Civil work) + Rs.19,90,644.00 (Electrical work) Total Rs. 61,21,379.00		
<u>Proforma for Quoting the Rates</u>					
Name of the Contractor					
Sr. No.	Name of component	Estimated Cost in ₹	Percentage above or below the estimated cost	% in Figures	Total Cost in ₹
1	Civil Work	41,30,735.00			
1	Electrical Work	19,90,644.00			
	Total Cost	61,21,379.00			

1. Only one of the options is to be filled. More than one option shall be rejected.
2. Rate filled in any form shall be considered only in % age.
3. Rate filled at any other place in the document shall not be considered
4. No condition shall be accepted.