

170 Years of Engineering Excellence.

CPWD FORM No.-6 For e-Tendering

CPWD

- 1 Percentage rate online bids are invited on behalf of President of India from approved and eligible CPWD registered contractors for the work of **A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27. SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works**

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.

- 1.1 The work is estimated to cost **₹ 5,67,558/-** This estimate, however, is given merely as a rough guide.
- 1.1.1 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 No. CPWD 7 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **90 days** 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. (i) **The site for the work is available.**

The architectural and structural drawings shall be made available in phased manner, as per requirement of the same as per approved programme of completion submitted by the contractor after award of the work.
5. The bid document consisting of building 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 except Standard General Conditions Of Contract Form - **2023** can be seen from website <https://etender.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 **11,351/-** 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, Shimla Division-II, CPWD, Shimla**) shall be scanned and uploaded to the e-tendering website within the period of bid submission. **The original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. (The EMD document shall only be issued from the place in which the office of receiving division office is situated. However, if the EMD is issued from the place where Division Office of CPWD is not situated, then EMD can be deposited by the contractor with any other Division Office of CPWD or in the Division office inviting tenders). The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT.**

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

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, **whose EMD deposited with any Division Office of CPWD and other documents scanned and uploaded area found in order.**

The contractor who has not furnished certified copy of all the scanned and uploaded documents as specified in press notice/NIT within the prescribed time limit in physical form, disciplinary action shall be initiated against such contractor by enlisting authority as per enlistment rules 2021

The bid shall be submitted upto **3:00 PM on 06/08/2026**

The bid submitted shall be opened at **3:30 PM on 06/08/2026**

The bid submitted shall become invalid if:

- (i) The bidder is found ineligible.
- (ii) The bidder does not deposit original EMD with Division Office of any Executive Engineer, CPWD(The EMD document shall only be issued from the place in which the office of receiving Division office is situated).
- (iii) The bidder does not upload scanned copy of all the documents (including certificate of registration of GST) as stipulated in the bid document **including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.**
- (iv) 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.**
- (v) If a tenderer does not quote any percentage above/below /At par on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

9. The contractor whose Bid is accepted, will be required to furnish performance guarantee of 5% (Three Percent) of the estimated amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any Scheduled Bank (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 alongwith bid shall be returned after receiving the aforesaid performance guarantee.** The contractor's registration shall be suspended for a year and shall not be eligible for tender if after opening of tender, withdraw or modify bid during period of validity of tender or after award of work fail to sign the contract or submit performance guarantee before deadline defined in bid document.

10. 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 upon 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 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. In addition to the above, bidders are to be advised to see themselves the bridges existing on the approach passage to the site for assessing the position with regard to carriage of building materials and T&P. Nothing extra shall be payable to the successful bidder for any type of existing restricted conditions with regard to the above.
11. 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.
12. 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.
13. 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.

14. 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 area subsequently employed by him and who are near relatives to any gazetted 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.
15. 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.
16. The bid for the works shall remain open for acceptance for a period of **Thirty (30) days from the date of opening of financial bid**. If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the 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 bidders shall not be allowed to participate in the retendering process of the work.
17. 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) Form GCC **2023, (Maintenance work/Construction work)** CPWD Form 7 modified and amended up-to last date of online submission of bids.

For & on behalf of the President of India.

Signature Assistant Engineer,
Kasauli Central Sub-Division,
CPWD, Kasauli

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Assistant Engineer, Kasauli Sub-Division, CPWD, Kasauli on behalf of President of India invited online Percentage rate bids from approved and eligible CPWD registered contractors for the work:

S. No.	NIT No.	Name of work & Location	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of online bid, submission documents as specified in the NIT.	Last date of submission of all the scanned and uploaded documents as specified in the NIT in physical form by the lowest bidder	Time & date of opening of online tender
1	2	3	4	5	6	7	8	9
1	114/ EE-II/SD/ AE-Kasauli / 2026-27	A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27. SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works	₹ 5,67,558/-	11,351/-	90 days	06/08/2026 Upto 3:00 P.M	Within a week after opening of financial bid by the lowest tenderer only	06/08/2026 at 3:30 PM

The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he consider himself eligible and he is in possession of all the documents required.

The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while submitting the tender online. They are requested to comply following instructions: -

- Tenders with any condition including that of conditional rebates shall be rejected forthwith.
- The successful bidder shall be required to submit a Performance Guarantee of 5% (Five Percent) of the Estimated Cost put to tender (ECPT) or tendered value, whichever is higher and where the tendered amount is less than Eighty Percent (80%) of the Estimated Cost put to tender (ECPT), Additional Performance Guarantee equal to difference between Eighty Percent (80%) of the ECPT and the tendered value shall also to be submitted, within 07 days of issue of letter of intent. This period can be further extended by Engineer-in-Charge up to a maximum period of 07 days on the written request of the contractor and with late fee as defined in Schedule F.

c) GST and Labour-Cess etc. as applicable shall be borne by the contractor himself. The contractor shall quote his rates considering all such taxes and hence their quoted rates should be inclusive of all the tax components.

d) It will be obligatory on part of the Contractor/ Bidder to tender for and sign the tender documents for all the component parts. The department reserves right to accept tender in full or in part without assigning any reasons.

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 from website <https://etender.cpwd.gov.in> free of cost.

The enlistment of the contractors should be valid on the last date of submission of bids.

In case only the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.

Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online tendering process as per details available on the website.

The intending bidder must have valid class-III digital signature to submit the bid.

Contractor can upload documents in the form of **JPG** format and **PDF** format.

Earnest Money can be paid in the form of Treasury Challan or Demand Draft or Pay Order or Banker's Cheque in or Deposit at call receipt or Fixed Deposit Receipts (**drawn in favour of Executive Engineer, Shimla Division-II, CPWD, Shimla**) along with Bank Guarantee of any Scheduled Bank wherever applicable.

A part of earnest money is acceptable in the form of Bank Guarantee also. In such case, 50% of earnest money or **20 lakh**, whichever is less, will have to be deposited in shape prescribed above, and balance in shape of Bank Guarantee of any Scheduled Bank.

The online bid shall be submitted upto **3:00 PM on 06/08/2026**

The bid submitted shall be opened at **3:30 PM on 06/08/2026**

1. The bid submitted shall become invalid if:

- (i) The bidder is found ineligible.**
- (ii) Deposit original EMD with Division Office of any Executive Engineer, CPWD(The EMD document shall only be issued from the place in which the office of receiving Division office is situated) within period of tender submission.**
- (iii)The bidder does not upload all the documents (including certificate of registration of GST) as stipulated in the bid document including the receipt for deposition of original EMD.**
- (iv)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.**
- (v) If a tenderer does not quote any percentage above/below /At par on the total amount of the tender or any section/sub head in percentage rate tender, the tender shall be treatedas invalid and will not be considered as lowest tenderer.**

2. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission.(The EMD document shall only be issued from the place in which the office of receiving division office is situated) However, if the EMD is issued from the place where Division Office of CPWD is not situated, then EMD can be deposited by the contractor with any other Division Office of CPWD or in the Division office inviting tenders) and uploading the mandatory scanned documents such as demand draft or pay order or Banker's Cheque or deposit at call Receipt or Fixed deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office any Executive Engineer, CPWD and other documents as specified.
3. **The contractors already registered on the e-tendering portal will have option to continue by paying tender processing fee upto one year from the date of registration, or to switch over to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.**
4. In terms of OM No. DG/Con/225A dated 10.08.2011, it shall be mandatory to sign the Integrity Pact by the bidder / contractor failing which tenderer / bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected in case of manual tendering. **However; where e-tendering is followed, Integrity Pact of the bid document shall be signed between EE and the successful bidder after acceptance of the bid.**

5. List of Documents to be scanned and uploaded within the period of tender submission:

- a. Treasury Challan/Demand Draft/Pay order or Banker's Cheque /Deposit at call Receipt/FDR/Bank Guarantee of any scheduled Bank against EMD.
 - b. Enlistment order of the contractor as specified in NIT.
 - c. Certificate of Registration for GST, and acknowledgement of upto date filed return as per NIT stipulation
(if the bidder has not obtained GST registration in the state in which the work is to be taken up, then in such case the bidder shall upload following undertaking with the bid document “ if work is awarded to me , I/ we shall obtain GST registration certificate within one month from date of receipt of award letter or before payment of 1st R.A. Bill. Whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/us on a/c of the work executed and/or for any action taken by CPWD or GST department in this regard.
 - d. Copy of receipt for deposition of original EMD to Division Office of any Executive Engineer, CPWD (The EMD documents shall only be issued from the place in which the office of receiving Division office is situated).
6. Information and instructions for contractors for e-tendering forming part of NIT and to be posted on website.
- 1 Information and instructions for contractors will form part of NIT and to be uploaded on ITI website.
 - 2 The intending bidder must have class-III digital signature to submit the bid.
 - 3 The contractor can deposit original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission.(The EMD document shall only be issued from the place in which the office of receiving division office is situated). The contractor shall obtain the receipt of EMD from the concerned Executive Engineer in the prescribed format uploaded by NIT issuing Executive Engineer. The bid document as uploaded can be viewed and downloaded free of cost by

anyone including intending bidder. But the bid can only be submitted after uploading the mandatory scanned documents such as demand draft/pay order o Banker's Cheque/Bank Guarantee of any scheduled bank towards EMD in favour of respective Executive Engineer, copy of receipt of original EMD and other documents specified in the press notice.

7. Information and instruction for Executive Engineer for e-tendering

1 The Executive Engineer of all divisions of CPWD should receive the original EMD for tender of other division.

2 The NIT approving authority/EE at the time of issue of NIT shall also fill and upload the following prescribed format of receipt of deposition of original EMD along with NIT:

Receipt of deposition of original EMD (Receipt No.....)

1 Name of work: A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27.

SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works

2 NIT no 114 /EE-II/SD/AE-Kasauli/2026-27

3 Estimated Cost 5,67,558/-

4 Amount of earnest money deposit 11,351/-

NIT approving authority/EE at the time of issue of NIT and uploaded along with NIT)

1 Name of contractor.....

2 Form of EMD

3 Amount of earnest money deposit.....

4 Date of submission of EMD.....

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

- (1) The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt may be issued by the AE(P)/AE/AAO.**
- (2) The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.**
- (3) The original EMD receiving Executive Engineer shall release the EMD after verification from the e-tendering portal website (<https://etender.cpwd.gov.in> free view that the particular contractor is not L-1 tenderer and work is awarded.**
- (4) The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.**

Assistant Engineer,
Kasauli Central Sub-Division,
Central PWD, Kasauli

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS
DEPARTMENT**

STATE:	H.P	CIRCLE:	Shimla Central Circle, CPWD, Shimla.
BRANCH:	B&R	DIVISION:	Shimla Division-II, CPWD, Shimla.
ZONE:	NZ-I, CPWD, Chandigarh	SUB-DIV.:	Kasauli Sub-Division

ONLINE PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Name of Work: A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27.
SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works

- (i) To be submitted online by 3:00 PM on 06/08/2026 through website www.tenderwizard.com to **Assistant Engineer, Kasauli Sub-Division, CPWD, Kasauli**
- (ii) To be opened through online in presence of tenderers who may be present at 3:30 PM on 06/08/2026 in the office of **Assistant Engineer, Kasauli Sub-Division, CPWD, Kasauli**

T E N D E R

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 and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F', viz. Schedule of Quantities and in accordance in all respects with the Specifications, Designs, Drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of Contract and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

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

A sum of **Rs. 11,351/-** is hereby forwarded in Cash/Receipt Treasury Challan/Deposit at Call Receipt of a Scheduled Bank/ FDR of a Scheduled Bank / Demand Draft of a Scheduled Bank /Bank guarantee issued by a schedule 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 successor 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 the 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, otherwise the said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up-to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be ~~determined in accordance with the provision contained in Clause 12.2 & 12.3 of the tender form.~~ **Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.**

(i) 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 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 therefrom to any person other than a person to whom I/we am/area may 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: -

Telephone No.

Fax:-

E-Mail:-

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.

i) Signature
ii)
iii)
iv)

Dated: -

SCHEDULE 'A' TO 'F' (CIVIL)

SCHEDULES (CIVIL WORK)

SCHEDULE 'A'

Schedule of quantities -

Page No. 40-42

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rate in figures & words	Place of at which the material will issue be charged to the contractor
(1)	(2)	(3)	(4)	(1)
----Nil----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S. NO.	DESCRIPTION	HIRE CHARGES	PLACE OF ISSUE PER DAY
(1)	(2)	(3)	(4)
----Nil----			

SCHEDULE 'D'

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

- 1 Special & Particular Conditions - Pages – 19
- 2 Additional Conditions - Pages – 25-31
- 3 Preferred list etc. - Pages- 32 to 36

SCHEDULE 'E'

Reference to General Conditions of Contract.

1.1 Name of Work: A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27. SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works

1.2 Estimated Cost of work: Rs. 5,67,558-

1.3 Earnest Money:- Rs 11,351/- (to be returned after receiving performance guarantee)

1.4 Performance Guarantee

(a) 5.00% of Estimated Cost put to tender (ECPT) or tendered value, 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.

1.5 Security Deposit 2.5% of the tendered value

₹

~~2.5% of tendered value plus 2.5% PG for contract involving maintenance of the building and services / any other work also.~~

SCHEDULE 'F':-

General Rules & Directions:-

	Officer Inviting Tender	:	Assistant Engineer, Kasauli Central Sub-Division, CPWD Kasauli
	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	:	Refer Clause-12
	Definitions:-		
2 (v)	Engineer-In-Charge	:	Assistant Engineer, Kasauli Central Sub-Division, CPWD Kasauli
2 (viii)	Accepting Authority	:	Assistant Engineer, Kasauli Central Sub-Division, CPWD Kasauli
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits	:	15% (7.5% CP + 7.5% OH)
2 (xi)	Standard Schedule of Rates	:	Delhi Schedule of Rates 2023 with upto date correction slips & M R
2 (xii)	Department	:	Central Public Works Department
9 (ii)	Standard CPWD Contract	:	Form GCC 2023, maintenance work CPWD Form 7 modified and amended up-to lastdate of online submission of bids.
Clause-1:-			
(i)	Time allowed for submission of performance guarantee, Programme Chart(Time and progress) and applicable Labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of letter of acceptance.		07 days
(ii)	Maximum allowable extension with late fee @ 0.1 % per day of performance guarantee amount beyond the period as provided in (i) above		4 days (8 th day to 11 th day)
Clause-2:-			
I.	Authority for fixing compensation under clause-2.		Superintending Engineer, Shimla Circle, CPWD, Shimla.
II.	Whether clause-2A shall be applicable.		No
Clause-5:-			
	Number of days from the date of issue of letter of acceptance for reckoning date of start	:	11 th days
	Mile stone.	:	
	Time allowed for execution of work	:	90 days

Authority to decide			
(i)	Extension of time for completion of work.	:	Executive Engineer, Shimla Division-II, CPWD, Shimla.
(ii)	Re-scheduling of Mile stone	:	Superintending Engineer, Shimla Circle, CPWD, Shimla.
(iii)	Shifting of date of start in case of delay in handing over of site.	:	Superintending Engineer, Shimla Circle, CPWD, Shimla.
Clause-6:-	Clause applicable -6		e-MB (Electronic Measurement Book)
Clause-7:-	Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.		Rs 1.42 lacs
Clause-7A:-	Whether clause 7A shall be applicable.		As per rule
Clause-10A:-	List of testing equipment to be provided by the contractor at site lab.		As per on page No.-21
Clause-10-B (ii).	Whether clause 10-B (ii) shall be applicable		No
Clause-10C:-	Component of labour expressed as percent of total value of work.		N.A

Clause 10 CA Not applicable

Materials covered under this clause:	Neareast material (other than cement, reinforcement bars and structural steel) for which All India Whole sale Price Index to be followed	Base Price of the materials covered under 10 CA issued vide No. CE(NZ-I)/ SE(P)/ EE(P)/10CA/- -----
1. Cement a) OPC b) PPC		----- -----
2. Reinforcement TMT bars (Fe-500 D) a) Primary producers b) Secondary producers		----- -----
3. Structural Steel		-----

Clause-10-CC:- Clause 10CC to be applicable in contracts with stipulated period of completion **exceeding 12 months.**

Not Applicable

Schedule of component of other materials, Labour POL etc. for price escalation:-	
Component of civil(Except materials covered under clause 10CA construction materials expressed as percent of total value of work.)	Not Applicable
Component of labour expressed as percent of total value of work.	
Component of P.O.L expressed as percent of total value of civil work.	

Note: Xm... % should be equal to (100) - (materials covered under clause 10 CA i.e. Cement, Steel and other material specified in clause 10 CA + Component of Labour + Component of P.O.L.)

Clause-11:- Specifications to be followed for execution of work

C.P.W.D. Specifications 2019 Vo. I & II with upto date correction slips i/c special conditions & particular specifications as attached in NIT.

12.3 Deviation limit beyond which clause 12.3 shall apply for building work:

No Limit (All the deviated quantities shall be paid at agreement rates)vide OM No. (DG/ CON/ Maintenance 2023/03 dated 18/12/2023)

Note:

(i) **For maintenance works including works of upgradation, aesthetic, special repair, addition/alteration:**

In the case of contract items, which exceed the limits laid down in schedule F, the contractor shall be paid rates specified in the scheduled of quantities.

Clause-16:-

Competent Authority for **Engineer**, deciding reduced rates.

The Superintending Shimla Central Circle, CPWD, Shimla

Clause-18:-

List of mandatory machinery tools& Plants to be deployed by the Contractor at site

As per on page-21-24

Clause 19 C: Authority to decide penalty for each default Assistant Engineer-Sub-Division Kasauli , CPWD

Clause 19 D: Authority to decide penalty for each default Assistant Engineer- Sub-Division Kasauli , CPWD

Clause 19 G: Authority to decide penalty for each default Assistant Engineer- Sub-Division Kasauli , CPWD

Clause 19 K: Authority to decide penalty for each default Assistant Engineer- Sub-Division Kasauli , CPWD

Clause 25:

i)	Conciliator	ADG Chandigarh
ii)	Arbitrator Appointing Authority	Superintending Engineer
iii)	Place of Arbitration	Shimla

Clause-32 (i)

Sr No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from contractor in the event of non deployment.	
						Figures	Words
1.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

~~Assistant Engineers retired from Government Services that are holding Diploma will be treated at par with Graduate Engineers.~~

~~Diploma holder with minimum 10 years relevant experience with a reputed construction agency/firm can be treated at par with Graduate Engineers for the purpose of such deployment subject to the condition that such diploma holder should not exceed 50 % of requirement of degree engineers~~

Clause-38:-

- i) Schedule / Statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates

As per Delhi Schedule of Rates 2023 with amendments upto last of submission of bids.

- ii) Variations permissible on theoretical quantities.

- a) Cement
for works with estimated cost put to tender not more than 25 Lacs. --- 3.0% plus / minus. for
works with estimated cost put to tender more than 25 Lacs. --- 2.0% plus / minus
- b) Bitumen all works ----- 2.0% plus and only & nil on minus side.
- c) steel reinforcement and structural steel section for diameter, section and category. -- 2% plus/minus.
- d) All other materialsNIL

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

S. No.	Description of item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond Permissible Variation	Less use from the permissible variation
1	Cement a) OPC b) PPC	Not applicable	----- -----
2	Steel a) Primary producers b) Secondary producers	Not applicable	----- -----
3	Structural steel	Not applicable	-----

TABLE OF MILE STONE (S)

Name of work: **A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27. SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works**

Sl. No. of Mile Stone	Description of Milestone	Time Allowed(From date of start)	Amount to be withheld in case of non-achievement of milestone
1.	Work done of value 1/8 th of tendered amount	¼ th of the time period of completion	1.25 % of accepted tendered amount
2.	Work done of value 3/8 th of tendered amount	1/2 nd of the time period of completion	1.25 % of accepted tendered amount
3.	Work done of value 3/4 th of tendered amount	3/4 th of the time period of completion	1.25 % of accepted tendered amount
4.	Completion of work	Time Period of Completion	1.25 % of accepted tendered amount

SPECIAL CONDITIONS

1. PPC (Portland Pozzolana Cement) as per IS 1469 PTI shall be used for non RCC/ non structural member only.
2. In all structural members / RCC works, only OPC shall be used.
3. The Cement purchased/ procured by the contractor should be fresh and should not more than one month old. {Date of manufacturing proof to be provided by contractor}
4. The separate store Godown of cement (OPC&PPC) should be constructed by the contractor at site as per CPWD specification & as per direction of the Engineer-in-charge as per CPWD specification
5. The period of curing is suitably enhancement as per code IS 456:2000 for cement mortar, cement concrete and RCC work as per sheet attached {P-27 of IS 456:2000}
6. The cement of following companies/ brand shall only be used in the works:
 - (i) ACC, Ultratech Cement Ltd, Gujarat Ambuja, Birla, JK Cement, JP Associates, Shree Cement Ltd.
7. The contractor shall procure the OPC 43 grade/ PPC Pozzolana as per IS: 1489 PTI required in the work from manufactures of cement as decided by Engineer-in-charge as mentioned above in 50kg bag bearing manufactures name and ISI marking along with manufacturing test certificate for each lot.
8. Test is necessary to be conducted on supply of each 50 bags of cement or as per frequency of test as decided by the Engineer-in-charge on small works.
9. The cement to be used at site after 7 days satisfactory test report from the approved lab.
10. As an when the cement is brought at site by the Contractor, this should be immediately checked by the concern AE & JE, and this lot will be used at site only after receiving satisfactory 7 days test report. If the rest result shows that the cement does not confirm to ISI specification, the cost of test shall be borne by the contractor & the cement shall be immediately removed from the site.
11. The cement shall be brought at site in bulk supply in a lot or as decided by the Engineer-in-charge/ authorized representative of Engineer-in-charge. Quantity of lot has to be decided keeping in mind the that cement should be used within 2 to 3 months after procurement at site.
12. The sample of the cement shall be arrange by the contractor and shall be taken by the AE/ JE. It shall be got tested in accordance with provision of relevant ISI codes. The cement along with all loading and transportation etc for such testing purpose shall be supplied by the Contractor free of charge.
13. At site of works, separate cement register (OPC & PPC) will have to be maintained.
14. Register of record of testing of concrete cubes should specify specifically type of cement used in RCC.
15. Nothing extra shall be paid on a/c of manual lead and lift for shifting of material at site.
16. Malba shall be disposed at approved municipal dumping ground or any other location as approved by Engineer-in-charge. It will be responsibility of the contactor to locate the dumpingground for all lead and lift at his own cost for which noting extra shall be payable on this account.
17. In case of structural steel / tubular section make other than primary manufacturer is used with the permission of Engineer-in-charge as mentioned in preferred list of approved the recovery @3.5 / kg shall be made and structural steel shall be taken in MAS register along with mentioning the brand alongwith bill. Hence contractor should read the condition and visit the site before quoting the rate.

**Assistant Engineer,
Kasauli Central Sub-Division,
C.P.W.D Kasauli**

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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AE Kasauli

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

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

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

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

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

LIST OF FIELD TESTS

- i) Particle size and shape.
- ii) Slump test.
- iii) Bulking of sand.
- iv) Silt content of sand.
- v) Temperature measuring with thermometer with brass protected end 0-200° C.

FIELD TESTING EQUIPMENT AND INSTRUMENTS

A. *Testing Equipment at Field Laboratories*

- ii) Balances
 - a) 7kg to 10 kg. Capacity, Semi-self indicating type-Accuracy 10 gm
 - b) 500 gm. Capacity, Semi-self indicating type Accuracy 1 gm
 - c) Pan Balance – 5 Kg. Capacity, accuracy 10 gm.
- iii) Sieves: as per IS 460-1962.
 - a) I.S. Sieves – 450 mm internal dia of sizes 100 mm, 80 mm, 63 mm, 50mm, 40 mm, 25 mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm complete with lid and pan.
 - b) IS Sieves – 200 mm internal dia(brass frame) consisting of 2.36 mm, 1.18 mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
- iv) Equipment for slump test – Slump Cone, Steel Plate, tamping rod, steel scale, scoop.
- v) Graduated measuring cylinders 200 ml capacity
- vi) Enamel trays (for efflorescence test for bricks and other tests)
 - a. 300 mm X 250 mm X 40 mm
 - b. Circular plates of 250 mm dia
 - c. 600 mm X 450 mm X 500 mm
 - d. 450 mm X 300 mm X 40 mm.

B. Field Testing Instruments

- i) Steel tapes – 3 m.
- ii) Vernier Calipers.
- iii) Micrometer Screw 25 mm gauge.
- iv) A good quality plumb bob.
- v) Spirit level minimum 30 cms long with 3 bubbles for horizontal vertical.
- vi) Wire gauge (circular type) disc.
- vii) Foot rule.
- viii) Long nylon thread.
- ix) Magnifying glass.

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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- x) Screw driver 30 cms long.
- xi) Ball pin hammer, 100 gms.
- xii) Plastic bags for taking samples.

C. **T&P Required**

Sr. no.	Detail of T&P	
1	Concrete mixer with hopper (Full bag)	-----
2	Steel props	-----
3	Steel Shuttering	-----
4	Needle Vibrator	-----
5	Floor grinding machine	-----
6	Welding machine	-----
7	Water pump	-----
8	Steel scaffolding	-----

PROFORMA FOR TESTS CARRIED OUT

NAME OF THE WORK :

DIVISION/

AGREEMENT NO. & DATE :

SUB-DIVISION

Sl. No.	Item	Quantities as per agreement	Frequency as per specification	No. of tests required	R.A. bill No.	Upto date quantity	No. of tests required	No. of tests actually done	Remarks
1	2	3	4	5	6	7	8	9	10

Signature of Contractor

CEMENT/PAINT REGISTER

NAME OF WORK:
AGREEMENT NO.

DIVISION
SUB-DIVISION

Particulars of receipt

Date of Receipt	Source of receipt with details if any	Batch No.	Date of manufacture	Date of expiry	Qty. received	Progressive Total	Date of Issue	Qty Issued	Items of work for which Issued	Qty. Returned at the end of day's work
1	2	3	4	5	6	7	8	9	10	11

Particulars of Issue

Net Qty. Issued	Progressive Total	Daily Balance in Hand	Contractor's Initial	J.E.'s Initial		Periodical Check	
						By AE	By EE
12	13	14	15	16		17	18

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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AE-Kasauli

ADDITIONAL CONDITIONS

1. Unless otherwise provided in the schedule 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 centering, shuttering, however if required to be done for height greater than 3.50 meter shall be admissible at rates in accordance with clause 12 of the agreement if not already specified.
2. The contractor shall be make his arrangement for obtaining electric connections if required and make necessary payments directly to the department concerned.
3. Other agencies doing works related with this project will also simultaneously execute the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes opening etc. for laying/burying in the work pipes, cables, conduits, clamps. Boxes and hooks for fan clams 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 centering and do not adversely affect structural members. Nothing extra over the agreement rates shall be paid for the same.
4. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions instructions and nothing extra shall be payable on this account.
5. (a) The building work will be carried out in the manner complying in all respect with the requirement of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or a directed by the Engineer-in-charge and nothing extra will be paid on this account.
(b) The work of water supply, internal sanitary installation and drainage work etc. shall be carried out as per local Municipal Corporation or such body Bye-Laws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.
(c) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should confirm to bye-laws specification of the Municipal body/Corporation where CPWD specifications are not available. The contractor should engage licensed plumbers for the work and get materials (fixture/fittings) tested by the Municipal body/Corporation authorities wherever required at his own cost.
(d) The contractor shall comply with proper and legal orders and directions of the local or public authorities or municipality and abide by their rules and regulations and pay all fees and charges, which he may be liable.
6. The contractor shall give a performance test of the entire installation (s) as per standing specification before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
7. Any cement slurry added over base surface (or) for continuation of concreting for better bond deemed to have been built in the items and nothing extra shall be payable not extra cement considered in consumption on this account.
8. Individuals holding general power of attorney cannot operate a contract awarded to a contractor.

9.0. TESTING OF MATERIAL: -

9.1 Samples of materials required for testing shall be provided free of charge by the contractor. The cost of tests shall be borne by the contractor

All expenditure to be incurred for testing of samples e.g. packing sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor. The NIT shall have list of approved laboratories for testing as approved by ADG.DG/MAN/410 dated 22/10/2021 All other expenditure required to be incurred for taking samples; conveyance, packing etc. shall be borne by the contractor himself.

- a) All the test in field lab setup at construction site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by JE & 50% of tests shall be witnessed by AE –in-charge. At least 10% of the tests are to be witnessed by the EE/ SE division office.
- b) All the entries in the registers will be made by the designated Engineering staff of the contractor and same should be regularly reviewed by JE/AE/EE/SE division office.
- c) Contractor shall be responsible for safe custody of all the test registers.
- d) Submission of copy of all test registers, materials at site Register and hindrance register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked by AE(P) in Division Office & receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in division office.
- e) Extensive testing of the materials used for construction is a pre-requisite for attaining high quality of the work. This shall also require specialized tests, physical, chemical, ultrasonic, x-ray and various other types of tests which cannot possibly be carried out in a site laboratory. These tests also require specialized personnel who regularly deal in such testing. Therefore the need arises for carrying out the tests in outside laboratories.

These laboratories may be in the Govt. sector, Semi Govt. or Private sector. The outside private laboratories shall be short listed before handed by EE and approval obtained from SE. In case of laboratories in the private sector, the past record and reputation of the laboratory must invariably be given due consideration. The infrastructure in these laboratories can also be inspected before they are short listed. However, testing of material in any Govt., Lab / Public Undertaking Lab / IIT or NIT Lab / Govt. Engineering College may be allowed by Executive Engineer without prior approval of Superintending Engineer or higher officers provided these labs have all necessary facility to carry out the required tests.

3.2. The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-in-Charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

3.3 The list of Field equipment referred above are to be arranged and maintained by the contractor at the site of work. In case the equipment required for any test is not available at site, the department shall get the test conducted from the third party. However in that event, besides providing free materials of sample, the cost of taking of sample, packing, transportation, testing charges etc. shall be borne by the contractor irrespective of the results.

3.4 Maintenance of Register of Tests –

- (i) All the registers of tests carried out at Construction Site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge in the same manner as being issued to CPWD field staff.
- (ii) All Samples of materials including Cement Concrete Cubes shall be taken jointly with Contractor by JE and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all Samples of materials including Cement Concrete Cubes shall be taken by AE jointly with Contractor. All the necessary assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
- (iii) All the tests to be conducted at Construction Site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by JE and 50% of tests shall be witnessed by AE-in-charge. At least 10% of the tests are to be witnessed by the Executive Engineer. For outstations the percentage of tests to be witnessed by JE, AE & EE are to be decided by NIT Approving Authority and should form part of QA Plan. (iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by JE/AE/EE.
- (v) Contractor shall be responsible for safe custody of all the test registers.

3.5 Maintenance of Material at Site (MAS) Register –

- (i) All the MAS Registers including Cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-charge in the same manner as being issued to CPWD field staff.
 - (ii) Each of the entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE. (iii) Each MAS Register shall be checked by JE at least twice a week and at least once a week by AE. If There is no JE then MAS registers will be checked by AE at least twice a week.
 - (iv) Cement Register shall be reviewed by EE at least one in a month. For outstations the frequency of checking the Registers by JE, AE & EE is to be decided by NIT Approving Authority and should form part of QA plan
4. The structural and architectural drawings shall at all times be properly correlated before executing any work. However in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant items, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.
 5. The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by the department.
 6. In the item of providing and fixing precast reinforced cement concrete in shelves the cost of cutting chases and making good the same shall be inclusive in the item and nothing extra shall be paid on this account.
 7. In the item of finishing walls with water proofing cement paint only the plan/flat area shall be measured for payment and nothing extra shall be paid on account of pointed wall surface.
 8. I.S. codes wherever, mentioned in the nomenclature additional conditions etc. shall mean the latest edition of the I.S. codes issued just prior to the date of submission of tenders.
 9. Flash welding will only be allowed for steel glazed windows.
 10. Branded structural steel will used.

11. Coarse/line sand will be used only of yellow colour of Solan Quarry.
12. Stone aggregate will be used made from river boulders/hard stone, Chandigarh Quarries.

ADDITIONAL SPECIFICATIONS

1. GENERAL

- 1.1 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).
- 1.2 All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries at or any other source to be got approved by the Engineer-in-charge.
- 1.3 Sand to be used for cement concrete work, mortar for masonry and plaster work shall be of standard quality. Sand shall be obtained from other source to be got approved from Engineer-in-charge and screened as required. The same shall consist of hard siliceous material. It shall be clean sand.
2. Wherever any reference to any Indian Standard specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revisions thereof. If any upto the date of receipt of tenders.
3. Unless otherwise specified in the schedule of quantities the rates for all items of the work shall be considered as inclusive of pumping out water if required for which no extra payment will be made. This will include water encountered from any source such as rains, floods, sub-soil water table being due to another cause what so ever.

4. RCC 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 items 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 verandahs. All the exposed edges shall, however, be finished as per specifications and nothing extra shall be paid for this.

5. FLOORING

The rate of items of flooring is inclusive of providing sunk flooring in bathrooms, kitchen etc. and nothing extra on this account is admissible.

6. WOOD WORK/WOOD SUBSTITUTE WORK.

The samples of species of timber/timber substitute 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 certificates from standard kiln seasoned plant operator about the timber section to be used on the work having been kiln seasoned by them, failing which it would not be so accepted as kiln seasoned

- 6.1 Factory made shutter, as specified shall be obtained from factories approved by the Engineer-in-charge and shall conform to IS 2202 (PART-1) 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 paid and the contractor shall remove the same from the site of work within 7 days after the written instruction in this regard are issued by Engineer-in-charge or his authorized representative.

7. STEEL WORK

7.1 The rate of T/angle iron frame shall include the following:-

- (a) M.S. sill/tie of 16mm dia bar welded to T-iron frames to keep the frames vertical in correct position. The sill/tie shall be embedded in floor concrete. No tie is necessary for widow frames.
- (b) Each T-iron frame for doors shall have 4 Nos. M.S. lugs 15X3mm, 10cms long welded to each vertical member of the frame.
- (c) M.S. plate 6X25mm, 100mm long having threaded holes (No. of flats shall correspond to the No. of butt hinges to be fixed to door/window shutter) shall be welded at appropriate places at the back of T-iron frames for fixing the required butt hinges to the frame with machine screws. M.S. flat 6X25mm, 50mm long with threaded holes, shall also be welded to the back of the Tsections to receive the butt hinges for the cleats.

7.2 M.S. Plate cramps 15X6mm thick for holding arrangements are to be provided and added as per site conditions. The rate is inclusive of the cost of such cramps.

7.3 All welded steel work shall be tested for quality of weld as laid down in IS 822-1970 before actual erection.

8. WATER SUPPLY SANITARY INSTALLATION

8.1 The SCI 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.

8.2 The contractor shall be responsible for 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.

9. 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.

10. VARIATION IN CONSUMPTION OF PIG LEAD.

10.1 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 0.98 kg, 0.88 kg and 0.77 kg. per joint respectively. Over and above the theoretical quantities of lead as marked 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 double the issue rate. Where the pig lead is arranged by the contractor, variation 5% will be allowed. In case of variation is on higher side 5% will be allowed. In case of 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.

11. CONDITION

- 11.1 The contractor will have to work according to the programme of work, decided by the Engineer-in-charge. The contractor shall also construct a sample unit complete in all respect with in time specified by the Engineer-in-charge and this sample, unit shall got approved from the Engineer-incharge before mass construction 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.
- 11.2 The contractor shall take instruction from the Engineer-in-charge for stacking of materials in any place. No excavated earth or building material shall be stacked on area where other buildings, roads, services of compound walls are to be constructed. 11.3 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.

12. CONDITION FOR ISSUE OF MATERIALS

- 12.1 The material will be issued to the contractor at the place of delivery as mentioned in the Schedule of materials during the working hours as per rules of CPWD stores as in force from time to time. If these are delivered at any other site, the difference on account of less/more cartage will be adjusted accordingly. The contractor shall have to cart the materials to the site of work at his cost as soon as these are issued.
- 12.2 The materials like reinforcing bars, flats, tees, angles, sheets, C.I. and SCI pipes etc. contemplated to be issued/will be issued in available sizes and lengths and the contractor shall bear the cost of cutting and shaping them according to the requirements of work. No claim for the wastage on this account shall be entertained.
- 12.3 C Cement bags shall be stored in separate godowns 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) at page 39 of CPWD Specification 1996 Vol-II with weather proof roofs and walls. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD engineer-in-charge of work and that of the other with the authorized agent of the contractor at the site of work so that the cement is removed from the godown according to the daily requirement with the knowledge of both the parties and proper account maintained in stander Performa.
- 12.4 The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are under double lock system.
- 12.5 The contractor shall bear all incidental charges, storage and safe custody of the materials issued by department and shall construct suitable godowns, 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. Materials to be charged directly to work and stipulated for issue free of cost shall also be issued to contractor as soon as they are received at site or at the stipulated place of issue the provisions of this clause will equally and fully be applicable to these items as well.
- 12.6 Issue of steel of diameter above 10mm will be regulated on sectional weight basis. However, for bars M.S/Cold twisted/T.M.T. upto and including 10mm the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from sample from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variation between the actual and the stand red co-efficient given above and the contractors accounts will be debited by the cost of modified quantity only. The discretion of the Engineer-in-charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at the site of work each day will constitute one single lot for this purpose.
- 12.7 All materials obtained from Govt. Stores or otherwise shall be got checked by the Junior Engineer-in-charge of the works on receipt of the same at site before use.

- 12.8 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle, sand and bajri etc. collected by him for the execution of the work, direct to Revenue authority or authorized agent of the State Government concerned or Central Government.
- 12.9 For all kind of RCC work only O.P.C. shall be allowed to be used. However, P.P.C. may be used for work other than R.C.C. as per directions of Engineer-in-charge.
- 12.10 The contractor shall construct separate stores for storage of O.P.C. and P.P.C. at site and the contractor will not claim anything extra on this account.
- 12.11 Separate cement registers showing the receipt and issue of the O.P.C. and P.P.C.
- 12.12 Cement to be supplied would be O.P.C. and P.P.C. as is available only. No special cement like white cement etc. shall be supplied, Cement issued will be for consumption at site. No cement will be issued for factory made items and those not manufactured at site.
- 12.13 Steel reinforcement bars to be supplied would be for RCC work only and not for other miscellaneous items which would be arranged by the contractor.

13. TESTING OF METERIAL

- (A) The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the materials and clearance of the same before use in work.
- (B) With a view to avoid controversy about quality of cement concrete as revealed in the test results of 7 days cubes falling short of the prescribed standard by over 10% to 20% and pending testing of balance 3 cubes for 28 days as final confirmatory acceptance test, crushed samples of cement concrete from the failed 7 days cubes should be preserved in a sealed bag.
- (C) 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 or the preparation of cubes, safe custody of the same proper curing and carriage upto the laboratory where the test is to be performed. The cube tests can be performed at any laboratory where the test is to be performed. The cube tests can be performed at any laboratory approved by the Engineer-incharge.

14. INTEGRAL WATER PROOF FINISHING

- 14.1 The contractor must associate himself with the specialized firm to be approved by the Engineerin-charge in writing, for integral cement based water proofing treatment for sunken floors and on roofs. 10 years guarantee in prescribed Performa attached page.....must be given by specialized firm, which shall be countersigned by the contractor, in token of his overall responsibility before execution of the work. In addition 10% (ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work done. However, half of this amount (withheld) 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 for 10 years is produced and deposited with the department.

15. GRANITE STONE FLOORING/COUNTERS FOR WASH BASIN

- 15.1 Granite stone to be used at site shall be fine/compact grains and shall be got approved from the Engineer-in-charge before use.

LIST OF ACCEPTABLE/APPROVED MAKES FOR CIVIL WORKS

S. No .	Material	Approved Make
1	(i) 43 Grade Ordinary Portland Cement / Portland Pozzolona Cement.	ACC, Ultratech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement, J.K. Cement.
	(ii) White Cement	Birla White , J. K. White
2	Reinforcement Steel (TMT-Fe500)	SAIL, Tata Steel, Rashtriya Ispat Nigam Ltd (RINL), Jindal Steel
3	Water Proofing Compounds, Plasticizer, Super Plasticizer, Grouts, Polymers, Polyexpanse, Other construction chemicals	Weber, Fosroc, Pidilite, CICO, Sika, Huntsman (CibaGeigy), Ferrous Crete
4	Tubular truss / Structural Steel	SAIL, Tata Steel, Rashtriya Ispat Nigam Ltd (RINL), Jindal Steel
5	Poly carbonate Sheet	GE Plastic, LEXAN
6	Decking steel sheet	Ezydeck of TATA / Lloyd Superdeck
7	Admixtures	Fosroc, MBT, Sika, CICO, Asian
8	Particle Board	Kitply, Action TESA, Greenlam, Merino, Century.
9	Laminated Particle Board/ Laminates, plywood	Kitply, Action TESA, Greenlam, Century Ply, Merino, Sunmic, Archid ply
10	Flush door shutters/Factory made paneled door shutters	Duro, Kutty, Century, Green, Jayna, Merino, Jain Doors Pvt. Ltd.
11	Fire Rated Doors	Signum Fire Protection, Kutty Doors, Shakti Metdoor, NAVAIR, ROMAT, Synergy Thrislington, Promat International, Jain Door Pvt. Ltd.
12	False Ceiling System along with supporting grid and metallic tiles	Armstrong, Hunter Douglas, Saint Gobain, Aura(ASIPL)
13	Plywood/Veneer/ Board	Green, Century, Merino, Duro, Archid ply, Kitply, Virgo
14	Melamine Polish	Asian Paints Melamine Gold, Wudfin of Pidilite, Timbertone of ICI Dulux.
15	FloorSpring	HARDWYN, Godrej, Dorma, Dorset
16	Anodised Aluminium Hardware (Heavy Duty)	Kilong, Alualpha, Sigma, Classic, Hardima
17	Clear/Float/Frosted Glass	Saint Gobain, AIS, Pilkington

18	Stainless Steel Railing, Accessories etc.	JINDAL, Dorma, GEZE
19	Hermitically sealed performance glass & Toughened Glass	Saint Gobain, MODI, ASAHI
20	Fire rated vision Panels	Pilkington, SCHOTT, FERILITE, Saint Gobain. Jain Door Pvt. Ltd.
21	Skylight –Thermoform	Mccoey Architectural System,Vergola, Abucob
22	G.I. Steel door frame	Kutty Doors, Shakti Metdoor, NAVAIR,ROMAT, Synergy Thrislington.
23	Friction Stay Hinges	Earl-Bihari,Ebco, Rotto, Cotswold, GU, Dorset
24	EPDM Gasket	Hanu, Osaka, Avigiri, Alps, Anand
25	Glass processor for making DGU/Toughening	AIS, Art N Glass (Chandigarh), Kochar Glass Pvt. Ltd. (Bhopal), Kaenal Glass (Bhiwadi), GSE (Noida)
26	Polyester Powder Coating Shades	NEROLAC, BERGER,J&N
27	Silicon based water repellant /Weather Sealant	G.E. Plastics, Dow Corning, BECKER
28	Poly-Sulphide Sealant	Fosroc, Pidilite / Sika
29	Mosaic tiles/ Chequered Tiles	Ultra Tiles, Unitile, NITCO, NTC, Pooja Concrete Fabricators
30	Ceramic Tiles / Glazedtiles	Morbito, Somany, RAK,Kajaria,
31	Vitrified Tiles (Antiskid/Matt/Glazed)	Morbito, Somany, RAK, Kajaria,
32	PVC Flooring	Armstrong, Unitex, LG Houses
33	Paver block & Kerb Stone	NITCO, Unitile, NTC, Ultra, Pooja Concrete Fabricators
34	Tile/ Stone Adhesive	Pidilite, Bal Endura, Fosroc, Ferrous Crete, Ultratech
35	Grouting Compound	BalEndura,Pidilite,Fosroc,FerrousCrete
36	Dash / Anchoring Fasteners	HILTI, Fischer, Bosch, Wurth.
37	Nuts / Bolts &Screws	GKW, Hilti,
38	Wall putty	Birla wall care, JK White

39	Curing compound	Fosroc, Sika, Cico
40	Oil Bound Washable Distemper	Asian Paints(Tractor acrylic distemper),ICI (Maxilite), Burger
41	Acrylic Distemper	Bison(Berger), Tractor(Asian), Maxilite (ICI)
42	Premium Acrylic Emulsion Paints	ICI(Supersmooth),Nerolac(Beautygold),AsianPaints(Premiumemulsion/professional interior emulsion), Burger
43	Cement Primer	BP White(Berger), Decoprime WT(Asian), White primer (ICI)
44	Steel Primer	ICI, Nerolac, Asian Paints
45	Wood Primer	ICI, Nerolac, Asian Paints (White)
46	Textured Exterior Paint	Asian paints (Apex with honeycomb roller finish) ICI (Weather shield with honeycomb roller finish, Kansai Nerolac(Excel with honeycomb roller finish)
47	Synthetic Enamel Paint	Asian (Apolite Premium gloss enamel),ICI (Dulux gloss synthetic enamel), Kansai Nerolac (Synthetic enamel)
48	Epoxy Paint	Asian, ICI, Kansai Nerolac,
49	Fire Paint	Akzo Nobel Coatings India Ltd., PROMAT, Jotun, Asian Paints
50	G.I. / M.S. Pipe	Tata, Jindal (Hisar)
51	G.I. Fittings	Unik, AVR,Zoloto, SANT
52	HDPE Pipes	Reliance, JainPipes, ORIPLAST
53	DIPIPES	Electro steel, Jindal, TATADUCTURA
54	DI Fittings	Kartar ,Electro steel
55	CI Fittings	Neel , Kartar ,Sarkar
56	CI Double flanged sluice valve	Kirloskar, Sondhi, Kejriwal, Leader Zoloto
57	Float Valve	L&K, Leader, Zoloto,
58	UPVC pipe and Fittings	Astral, Supreme, Finolex

59	Centrifugally Cast(spun) Iron Pipes & Fittings	NECO, Kapilansh, SKF , BIC, RPMF
60	Centrifugally Cast (spun)Iron(Class LA) Pipes	Neco, Electro Steel, Kapilansh, RPMF
61	C.I. Manhole covers, frames & GI Gratings	NECO, RAJ Iron Foundary Agra ,BIC, SKF, RPMF
62	SFRC Manhole covers & gratings	KK, JAIN,PARGATI, RPMF
63	Gun metal Valves ,globes	Sant, Leader, Zoloto
64	CP Brass Fittings	Jaquar, Kohler, Parryware, Hindware, Somany
65	Sanitary Fittings & accessories	Jaquar, Kohler, Parryware, Hindware, Somany
66	Water Meter	Prima, Kranti, Leader, Zoloto, Dashmesh
67	Brass stop & Bib Cock	Zoloto,Sant, L&K, Leader,
68	Mirror Glass	Atul, Modi Guard, GoldenFish
69	U-PVC Pipe	Astral, Supreme, Finolex
70	PVC Pipe &Fittings	Supreme, Finolex, Kisan
71	Non Return valve (Check valve) ½” to 1¼”	Zoloto, Sant, Leader
72	Brass Ferrules	Dhawan Sanitary Udyog (PRIMA), Kalsi, Annapurna
73	Insulation for hot water pipes	KAIFLEX , ARMAFLEX,CAREAFLEX
74	Insulation for external / exposed hot water pipes	KAIFLEX , ARMAFLEX,CAREAFLEX
75	Pipe protection for external water supply pipes	PYPKOTE, ARMAFLEX, AKPOLYKOTE,
76	Toilet Cubicles	Merino Industries Ltd (Titan Series), Green Sturdo, Green Ply Industries Ltd (Green lam Sturdo Classic),Trespa, Dorma
77	Hardware & Door fittings	Dorma, Kich, Ozone, Dorset
78	Door closer	Dorma, Kich, Godrej

79	Stainless Steel Sink (Out of Salem steel)	Neelkanth, Niralli, Jyna
80	European WC	Hindware, Parryware, Kohler, Jaquar, Somany
81	Washbasin	Hindware, Parryware, Kohler, Jaquar, Somany
82	Urinals	Hindware, Parryware, Jaquar, Kohler, Somany
83	CPVC Pipes & Fittings	Finolex, Supreme, Ashirwad, Astra
84	Stone ware pipes	Perfect, Taya
85	Gully Traps	Perfect, Parry
86	RCC Pipes (NP-2)	Lakshmi, Sood & Sood, Jain & Co.
87	Atactic Polypropylene	STP, HTL, Hydro Tech Ltd., Pidilite
88	UPVC Doors & Windows	Fenesta, Aluplast, Prizma Winsol Pvt. Ltd.
89	Extruded Polystyrene Insulation Board	Dowcorning, Supreme, Texas, Analco
90	Heat Resistant Tiles	Swastik, Thermax
91	Gypsum Plaster	Ferrous Crete, Gyproc Saint Gobain, Boral
92	Floor hardener	Ironite, Ferrok, Hardonate
93	Modular Expansion Joint	Herculus, CS, Vexcolt. Devin.
94.	Galvanised steel sheets (uncoated & pre-coated)	SAIL, TATA, JINDAL
95.	Furniture	Godrej, HNI, Steel Case, Howorth or equivalent other make as approved by client and Engineer-in-charge.
96.	Wooden laminated Flooring	Green Ply, Pergo, Armstrong, Action Tesa.
97.	PUFF panel roofing	ACME, LLOYED, SYNERGY
98	Water storage tank	Sintex, Frontline Super, Vectus, Kaveri, Sheetal
99	Precast Concrete blocks for paving	Pooja concrete fabrication

Note:- SE, SCC, CPWD, Shimla 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

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 Jindal
(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.


 27.02.2026
 (चन्द्र पाल)
 अधीक्षण अभियंता (सी. एंड एम.)
 Chandar 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)


 27/2/26

D.P. Jindal
EE (Contract)

Schedule of Quantity

Name of work:- **"A/R & M/O to Non Residential Building for Z.S.I. at Solan during 2026-27. SH:- Repair of doors, windows, providing and fixing Floor tile in office and laboratory and other misc repair works"**

SNo	Description of item	Qty	Unit	Rate (with C.I.)	Amount
1	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note: Butt hinges and necessary screws shall be paid separately)				
	(a) Second class teak wood				
	(i) 35 mm thick shutters	7.00	sqm	4748.70	33241.00
		sqm			
2	Providing and fixing glazed shutters for doors, windows and clerestory windows using 4 mm thick float glass panes (weight not less than 10 kg per sqm) fixing with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.				
	(a) Second class teak wood				
	(i) 30 mm thick	10.00	sqm	5223.87	52239.00
		sqm			
3	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	7.00	each	1135.39	7948.00
		each			
4	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :				
	(a) 150x10 mm	15.00	each	95.33	1430.00
		each			
5	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20				

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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	mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigment etc.,, complete.				
		25.00	sqm	1259.54	31489.00
		sqm			
6	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08%and conforming to IS : 15622 , of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.				
	(a) Size of Tile 600x600 mm	30.00	sqm	1794.01	53820.00
		sqm			
7	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
	(a) New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	750.00	sqm	214.40	160800.00
		sqm			
8	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	(a) Two or more coats on new work	250.00	sqm	180.04	45010.00
		sqm			
9	Finishing walls with Acrylic Smooth exterior paint of required shade:				
	(a) Old Work (One or more coats applied @ 0.90 ltr/10sqm)	450.00	sqm	93.14	41913.00
		sqm			
10	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.				
	(a) With cement mortar 1:4 (1cement: 4 coarse sand)	100.00	sqm	647.30	64730.00
		sqm			
11	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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	(a) Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm).	15.00	sqm	1259.54	18893.00
		sqm			
12	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	(a) Flexible pipe				
	(i) 32 mm dia	15.00	each	138.06	2071.00
		each			
13	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
	(a) W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	7524.51	7525.00
		each			
14	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
	(a) White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	10.00	each	3059.03	30590.00
		each			
15	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	(a) 15 mm nominal bore	10.00	each	922.67	9227.00
		each			
16	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
	(a) 15 mm nominal bore	10.00	Each	663.23	6632.00
		Each			
				Total	5,67,558.00

Assistant Engineer
Kasauli Central Sub Division,

Correction –Nil

Deletion-Nil

Insertion-Nil

Overwriting-Nil

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AE-Kasauli

