

N. I. T./निविदा आमंत्रण सूचना

NAME OF WORK/कार्य का नाम:- Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)

INDEX/सूचकांक

<u>SL.NO.क्र०सं०</u>	<u>CONTENTS</u> <u>विषय सूची</u>	<u>PAGE NO.</u> <u>पृष्ठ सं०</u>
1.	INDEX	1
2.	Notice inviting e-tenders	2
3.	CPWD-6 for e-tendering	3-6
4.	Information and instructions for Bidders for e-tendering	7-8
5.	Percentage rate tender for works (Form CPWD-7)	9-10
6.	Proforma of Schedules	11-14
7.	FORMAT FOR DEPOSITING EARNEST MONEY & Receipt of deposition of original EMD (Annexure-I)	15
8.	Form of Bank Guarantee for Earnest Money Deposit /Performance Guarantee/Security Deposit/Mobilization Advance	16-17
9.	GUARANTEE BOND TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS	18
10.	Minimum Quality Assurance Plan	19
11.	General Conditions, Special Conditions & Particular Specification	20-25
12.	Special Condition of Paints	26-28
13.	Additional conditions when cement is arranged by the Contractor and design mix	29
14.	Special Conditions for Steel Reinforcement Bars	30-31
15.	LIST OF PREFERRED MAKES	32-34
16.	List of approved Laboratories for testing of Material (Annexure-II)	35
17.	LIST OF EQUIPMENT FOR FIELD TESTING LABORATORY (Annexure-III)	36
18.	Schedule of Quantity (Civil)	37-38

Certified that this N.I.T. contains **Total Page 1 to 38**

NIT No. 04/EE/AE-II/SSKHD/2026-27

This N.I.T. for **Rs. 72,32,214.00 (Rs. Seventy-two lakh thirty-two thousand two hundred fourteen Only)** is hereby **approved.**

**Assistant Engineer(P)
SSKH Division, CPWD
New Delhi**

**Executive Engineer
SSKH Division, CPWD
New Delhi**

CENTRAL PUBLIC WORKS DEPARTMENT

NOTICE INVITING e-TENDERS

The **Executive Engineer**, SSKH Division, CPWD, New Delhi (E-mail ID delecsskh.cpwd@nic.in) invites on behalf of the President of India online **Percentage rate bids** from the approved and eligible contractors of appropriate class of CPWD for the following work.

S. No.	NIT No	Name of work	Estimated cost	Earnest Money	Period of completion	Last time & date of submission of bid
1	04/EE/AE-II/SSKHD/2026-27	Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)	Rs.72,32,214.00	Rs.1,44,644.00	03 Months	Upto 16:30 on 28.09.2026

Conditions

- The maintenance of hospital building is very important nature and work to be executed in fixed timeline regarding attending of complaints and other miscellaneous work as directed. In case of Non-compliance of work within Stipulated period as directed, department reserve the right to recommend to the competent authority to take any action as deemed fit apart from levy of compensation to black listing from taking up any further work in entire CPWD for next one year.
- Work may have to be carried out during odd hours and/or during night shift as per availability of site/work area. Rates quoted by agencies shall be inclusive of every single component likely to be involved for working under such conditions. Nothing extra over and above the quoted rates shall be payable on this account.

The bid forms and other details can be obtained from the website <https://etender.cpwd.gov.in> or www.cpwd.gov.in To participate in the bidding process for tenders to be hosted on the new website, all intending contractor(s)/Firm(s)/agencies are requested to register/update their profiles on the new e-Tendering and e-Auction website: <https://etender.cpwd.gov.in> and <https://eauction.cpwd.gov.in> respectively. Information on updating of profiles is available on CPWD Website <https://www.cpwd.gov.in> vide circular <https://www.cpwd.gov.in/WriteReadData/othercir/50798.pdf>. All intending contractor(s)/Firm(s)/Agencies are requested to update their profile in new e-tendering website well in advance before last date of submission of tender.

Executive Engineer
SSK Hospital Division
CPWD, New Delhi

CPWD-6 for e-Tendering

Percentage rate bids are invited on behalf of the President of India from approved and eligible contractors of appropriate class of C.P.W.D for the work of: **Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)**

1. 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 **Rs. 72,32,214.00** This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful bidder on prescribed Form No.C.P.W.D.7 (or other standard Form as mentioned) 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 **03 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 is available or The site for the work shall be made available in parts.
5. The bid document consisting of plans, specifications, the schedule of quantities of the 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 can be seen on website <https://etender.cpwd.gov.in> or 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 **Rs 1,44,644.00** in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee (for balance amount as prescribed) from any of the Commercial Banks **(drawn in favor of Executive Engineer, SSKH Division, CPWD, New Delhi)** shall be scanned and uploaded on 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 receiving Executive Engineer (including NIT issuing EE/AE) 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, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee including e- Bank Guarantee of any Commercial bank having validity for a period of 90days for single bid works and 180 days for two bid system or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders. The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within 30 days of declaration of result of technical bid evaluation. Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder 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's original EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.

EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.

The bid submitted shall be opened at 17:00 on 28.09.2026

9. **The bid submitted shall become invalid if:**
 - i. The bidder's 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 bidders does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD instrument.
 - 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 quotes nil rates against each item in item rate tender or does not quote any percentage above/below 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 tender.
 - vi. **EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.**
10. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks 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 and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.
11. The Description of the work as follows: - As per Schedule attached.
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 circumstance which may influence or effect their bid. A bidders 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 and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc., will be issued to him by 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 as 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 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.
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 Thirty (30) days from the date of opening of bids.
 - 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 modification 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 the rebidding process of the same work.
19. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - i. The notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - ii. Standard C.P.W.D. Form as mentioned in Schedule 'F' consisting of:
 - a. Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
 - b. C.P.W.D. Safety Code.
 - c. Model Rules for the protection of health, sanitary arrangements for workers employed by CPWD or its contractors.
 - d. CPWD Contractor's Labour Regulations.
 - e. List of Acts and omissions for which fines can be imposed.
 - iii. No payment for the work done will be made unless contract is signed by the contractor.

20. In case any discrepancy is noticed in the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be a 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.
21. The intending bidders are required to update their profile in CPWD e- tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile/uploading tender can be resolved through the concerned ExecutiveEngineer/ Assistant Engineer (E- mail Id *.....) or ERP helpline no.18001803286 or e-mail ID cpwd.support@techmahindra.com. The e- tendering bidders are also advised not to wait to raise any issues till the last date of submission of bid in their own interest.
- 22. Jurisdiction of Courts**
The Court of the place from where the letter of award of work has been issued shall have the jurisdiction to decide any dispute arising out of or in respect of the contract.
23. CPWD does not have funds of its own and it carries out the works of client departments from their funds (deposit, budgetary, authorization). The CPWD is making payments to the contractors after getting budget / authorization / deposit from various Ministries / Client Departments. The payment to the contractor can be done only on availability of funds for that work from client department and in case of delay in getting funds from Ministry / Client Department, CPWD will not be responsible for delay in payment and no extra compensation on this account shall be granted apart from specified elsewhere in this document. The contractor has to quote his tender accordingly considering this aspect.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

**INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR
E-TENDERING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE
(Applicable for inviting open bids)**

The **Executive Engineer**, SSKH Division, CPWD, New Delhi (E-mail ID deleecsskh.cpwd@nic.in) on behalf of the President of India invites online **Percentage rate bids** from the approved and eligible contractors of appropriate class of CPWD for the following work.

S. No.	NIT No	Name of work & location	Estimated cost put to bid (Rs.)	Earnest Money	Stipulated Period of completion of work in (Months)	Last date of online submission of bid, copy of receipt of deposition of original EMD and other documents as specified in the bid document.	Date & time of opening of bid
1	2	3	4	5	6	7	8
1	04/EE/AE-II/SSKHD/2026-27	Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)	Rs. 72,32,214.00	Rs. 1,44,644.00	03 Months	Upto 16:30 on 28.09.2026	17:00 on 28.09.2026

- The intending bidders 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.
- Information and instructions for bidders posted on website shall form part of Bid document.
- 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 www.cpwd.gov.in free of cost.
- 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 and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified.
- Those contractors who are not registered or have not updated their profile on the website mentioned above, are required to get registered / update their profile beforehand. The necessary training materials including the videos with step to step process are available on download section of <https://etender.cpwd.gov.in>
- The intending bidder must have valid Class-III digital signature certificate with encryption key (combo type) to perform any operations / transactions on the e-tendering portal / website and the bidder should download and install the eMSigner on their system as per instructions available on download section of <https://etender.cpwd.gov.in>.

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. Contractor can upload documents in the form of JPG format and PDF format.
9. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow 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). However, If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below 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.
10. **The contractor shall have to make his own arrangement for housing facilities for staff and labour away from maintenance site and shall have to transport the labour to and for between construction site and labour camp at his own cost. No labour huts will be allowed to be constructed at the site. The decision about store at site shall rest with the Engineer-in-charge and the contractor shall have no claim on this account.**
11. It is mandatory to upload scanned copies of all the documents including GST registration if these documents are not uploaded, then bid will become invalid and shall summarily be rejected.
12. **C.P.W.D Contractor's Labour Regulations:**
Payment of Wages
 - i. Wages due to every worker shall be paid to him direct by contractor through Bank or ECS or online transfer to his bank account.
 - ii. All wages shall be paid through Bank or ECS or Online Transfer.
 - iii. It shall be the duty of the contractor to ensure the disbursement of wages through bank account of labour. The contractor shall obtain from the junior Engineer or any other authorized representative of the Engineer-in-Charge as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage cum-Muster Roll" as the case may be in the following form:- "Certified that the amount shown in column No.....has been paid to the work man concerned through bank account of labour on.....at....."
13. **List of Documents to be scanned and uploaded within the period of bid submission:**
 - I. Scan Copy of EMD. **EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted**
 - II. Receipt of deposition of original EMD.
 - III. Copy of Pan Card.
 - IV. GST Registration Certificate, if already obtained by the bidder.
 If the bidder has not obtained GST registration certificate as applicable, then he shall scan and upload following undertaking along with bid document.
 "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 responsible for any delay in payment 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".
 - V. Enlistment order of the contractor.
 - VI. Contact number and E-Mail ID on contractor letter Head.
 - VII. ERP Training Certificate issued through LMS Portal CPWD.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

C.P.W.D.-7

GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT

STATE :- New Delhi.
 BRANCH:- B & R

Circle:-S.E./DC-9
 DIVISION :- SSKH- Division

Percentage Rate Tender & Contract for Civil Works

Tender for the work of :- **Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)**

Bids to be submitted online by **16:30 on 28.09.2026**

- (i) To be opened on line in presence of bidders who may be present at **17:00 on 28.09.2026** in the office of Executive Engineer, SSKH Division, CPWD, New Delhi.

Issued to Bid document made available

On line to the agency.

Signature of the Officer issuing the documents.

On line uploading authority

Designation: Executive Engineer, SSKH Division, CPWD

Date of issue.....

As per NIT

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, clause 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 documents 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 **Thirty (30) days** from the due date of its opening and not to make any modifications in its terms and conditions.

A copy of earnest money deposit **receipt of Rs 1,44,644.00 deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed)** issued by a **Commercial Bank**, is scanned and uploaded (strike out as the case may be).

If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the 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 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/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated

Signature of Contractor

Postal Address #

Witness : #

Address: #

Occupation : #

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. * _____

(Rupees * _____)

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

i) *

ii) *

iii) *

For & on behalf of the President of India.

Signature

Dated *

Designation

* To be filled in by EE

To be filled by the contractor

PROFORMA Of SCHEDULES

SCHEDULE 'A' See Page No. 37-38

Schedule of quantities (Enclosed)

SCHEDULE 'D'

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

SCHEDULE 'E'

1. Reference to General Conditions of contract. **Applicable GCC is Maintenance Works 2023 as Modified and corrected upto previous day of the last date of submission of the tender:**

Name of work: Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)

Estimated cost of work:

Rs. 72,32,214.00

(i) (a) Earnest money:

Rs 1,44,644.00 (To be returned after receiving Performance Guarantee)

(ii) Performance guarantee:

(a) 5% of 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

SCHEDULE 'F'

General Rules & Directions:

Officer inviting tender-

**Executive Engineer/SSKH - Division/CPWD/
New Delhi or his Successor.**

Definitions:

2(v) Engineer-in-Charge Executive Engineer/SSKH Division/CPWD/ New Delhi or his successor

2(viii) Accepting Authority Executive Engineer/SSKH Division/CPWD/ New Delhi or his Successor

2(x) Percentage on cost of materials and labour to cover all overheads and profits:- **15%**

2(xi) Standard schedule of Rates: **Delhi Schedule of rate 2023 with up-to-date correction Slips and Market rates.**

2(xii) Department **Central Public Works Department**

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 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 of proof of applying thereof** from the date of issue 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

03 Days (on written request of contractors stating the reason of delay in procuring performance guarantee to the satisfaction of Engineer in charge).

Clause 2 Authority for fixing
Compensation under clause 2

**Superintending Engineer, DC-IX,
CPWD, New Delhi or his successor.**

Clause 2 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.

10 Days

MILE STONE (s) as per table given below:

TABLE OF MILE STONE (S)			
S.No.	Description of Mile Stone (Financial)	Time Allowed in days (from date of start)	Amount to be with held- in case of non achievement of milestone
1	12.5%	1/4th (of whole work)	In the event of non-achieving the necessary progress as assessed from the running payment, 1.25 % of the tendered value of work will be withheld for failure of each mile stone.
2	37.5%	1/2th (of whole work)	
3	75.00%	3/4th (of whole work)	
4	100.00%	Full	

Time allowed for execution of work

03 Months

(i) Authority to Convey decision of shifting of Mile stone and Extension of time:-

**Executive Engineer, SSKH Division,
CPWD, New Delhi or his successor.**

(ii) Authority to decide rescheduling of mile stones and Extension of time:-

**Superintending Engineer, DC-IX,
CPWD, New Delhi or his successor.**

**(iii) Shifting of date of start in cases of delay :-
In handing over of site**

**Superintending Engineer, DC-IX,
CPWD, New Delhi or his successor.**

1. **PROFORMA OF SCHEDULES Clause 5
Schedule of handing over of site:**

The site for the work shall be made available in parts.

Clause 5(i) :-Applicable clause 5/5A

5

Clause-6 :-Computerized Measure Book (CMB) /
Electronic Measurement Book (EMB):-

(a) Mode of measurement: CMB / EMB:-

Electronic Measurement Book (EMB)

(b) Measurement to be recorded by:-

Contractor

Clause 7

Gross work to be done together with net
Payment/adjustment of advances for material
Collected, if any, since the last such payment or
being eligible to interim payment

- (i) 1st RA Bill- 11.00 Lakh
(ii) Subsequent RA Bill - 8.00 Lakh
(iii) Final Bill - Any Amount
(iv) For other then as mentioned above
Prior approval of Engineer-in-Charge.

Clause 7A: Whether clause 7A shall be applicable:

Yes

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 7B: Whether clause 7B shall be applicable:

Yes

Clause 8: Competent authority to inspect and issue completion certificate Executive Engineer**Clause 10 A**

List of testing equipment to be provided
by the contractor at site lab.

As per Annexure No. III

Clause 10C:Component of labour expressed as percent of value of work =

25%

Clause 10CC- Clause 10CC to be applicable in contracts
With stipulated period of completion exceeding
The period shown in the next column.

NOT APPLICABLE.

Schedule of component of other Materials, Labour, POL etc. for price escalation.

Component of Civil -
(Except material covered under clause 10CA)
Electrical construction materials expressed
as percent of total value of work

Xm.....NIL.....%

Component of Labour expressed as percent
of total value of work

Y.....NIL.....%

Component of POL expressed as percent
of total value of work

Z.....NIL.....%

Clause -11

**SPECIFICATIONS TO BE FOLLOWED FOR EXECUTION OF WORK: - CPWD SPECIFICATION 2019
VOL I & II WITH CORRECTION SLIPS
ISSUED UPTO THE DATE OF RECEIPT
OF TENDER.**

Clause 16

Competent Authority for
deciding reduced rates.

- (i) Superintending Engineer, DC-IX, CPWD, New Delhi or his
successor.

Clause 18

List of mandatory machinery, tools & plants to be deployed: - All T&P required as per site requirement
by the contractor at site:

Clause 19 C: Authority to decide penalty for each default:-

Executive Engineer, SSKHD,
CPWD, New Delhi or his successor.
Penalty Rs. 5000 on Each default

Clause 19 D: Authority to decide penalty for each default:-

Executive Engineer, SSKHD,

CPWD, New Delhi or his successor.
Penalty Rs. 1000 on Each default

Clause 19 G: Authority to decide penalty for each default:-

Executive Engineer, SSKHD, CPWD, New Delhi or his successor.
Penalty Rs. 200 Per day or subject to maximum 5% of the estimated cost of the work put to tender.

Clause 19 K: Authority to decide penalty for each default:-

Executive Engineer, SSKHD, CPWD, New Delhi or his successor.

Clause 25

Constitution of Dispute Redressal Committee (DRC)

- (i) Conciliator: ADG, Delhi
(ii) Arbitrator Appointing Authority: Superintending Engineer, DC-IX, CPWD, New Delhi or his successor
Place of Arbitration: Delhi

CLAUSE 32: - Requirement of Technical Representative(s) and Recovery Rate

S.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i) .	
						Figures	Words
1	Graduate Engineer or Diploma Engineer	Civil	Principal Technical Representative (Project Planning / site/Billing Engineer)	2 Years Or 5 Years	1	Rs. 40,000/-	(Rs. Forty Thousand only per month per person)

Assistant Engineer retired from Govt. services that are holding Diploma will be treated at par with Graduate Engineer.

Diploma holder with minimum 10-year relevant experience with a reputed construction co. can be treated at par with graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50% of requirement of degree engineers.

Clause-38

I) (a) Schedule/statement for determining theoretical Quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D. with up to date correction slip.

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 more than Rs. 25 lakhs 2 % plus/minus.

b) Bitumen for all works

As per Morth Specification

c) Steel Reinforcement and structural steel sections for each diameter, section and category.

2% plus/minus

d) All other materials

Nil.

(Annexure-I)

Information and instruction for Executive Engineer for e - tendering.

1. The Executive Engineer of all division of CPWD should receive the original EMD for tender of other division.
2. To safeguard against a bidder withdrawing or altering his/her bid during the bid validity period, earnest money shall be obtained from the bidders for all tenders unless otherwise mentioned in the tender documents. EMD shall be made / issued only from the account of the bidder / tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.
3. 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 alongwith NIT:-

Receipt of deposition of original EMD (Receipt No...../Date.....)		
1.	Name of work	Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)
2.	NIT No.	04/EE/AE-II/SSKHD/2026-27
3.	Estimated Cost	Rs.72,32,214.00
4.	Amount of Earnest Money Deposit	Rs 1,44,644.00 in favour of Executive Engineer, SSKH Division, CPWD, New Delhi
5.	Last date of submission of bid	Upto 16:30 dated on 28.09.2026
6.	Name of the Contractor	
7.	Mobile no. & Email of Contractor	
8.	Email id of Bank	
9.	Form of EMD	
10.	Amount of Earnest Money Deposit	
11.	Date of submission of EMD	

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

4. 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.
5. The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/fax/telephonically.
6. 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 of tenders) that the particular contractor is not L-1 tenderer and work is awarded.
7. The tender inviting Executive Engineer will call for original EMD of the L-1 tenderer from EMD receiving Executive Engineer immediately.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

**(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**

1. Whereas 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 from (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) (herein after 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.(Rupeesonly)

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 thereunder 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 and address

Authorized signatory
Name
Designation
Staff code no.

2. Signature
Name and address

Bank seal

*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.

**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 construction of an additional storey or a part of the roof or construction 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 byand for and on behalf of the PRESIDENT OF INDIA on the day, month and year first above written.

Signed, sealed and delivered by OBLIGOR in the presence of-

- 1.
- 2.

Signed for and on behalf of THE PRESIDENT OF INDIA by in the presence of

MINIMUM QUALITY ASSURANCE PLAN

1. Minimum Quality Assurance Plan done as per No. DG/SOP/28 dated 15.11.2021.
- 2. Maintenance of Register of Tests**
 - i) All the registers of tests to be carried out at construction site or in outside laboratories is maintained by the contractor which is issued to the contractor by Engineer-in-charge.
 - ii) All Samples of materials including cement concrete cubes is taken jointly with Contractor by JE, if there is no JE, out of this at least 50% samples shall be taken in presence of AE in charge and 10 % sample shall be taken in presence of EE. All the necessary assistance is to be provided by the contractor. Cost of sample of materials including testing charges is to be borne by the contractor and he/she is responsible for safe custody of samples to be tested at site.
 - iii) All the test in field lab setup at construction site is carried out by the Engineering Staff deployed by the contractor preferably. The percentages of engineering staff deployed by the field officers 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.
 - iv) All the entries in the registers will be made by the designated Engineer Staff of the Contractor and same is regularly reviewed by the field officers as well as the Engineer in charge. Contractor shall be responsible for safe custody of all the test registers.
3. Performa for mandatory test as per Annexure 54 (refer SOP no. 7/2) is attached with each Running bill. Submission of copy of all Test Registers, Material at Site Register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers are duly reviewed by Engineer in charge in Division Office and receipts of registers should also be acknowledged by Account branch by signing the copies and register to confirm receipt in Division Office.
- 4. Agency will submit the methodology of various operations conducted before the start of work. Agency has to work with according to specifications & technical parameters and the methodology as approved by Engineer-in-charge and get adapted the same thereof. The falling which, the department will not be bound to make the payment of regarding executed items of the work. Any dispute between the agency and department regarding this, Engineer-in-charge's decision is final and binding.**
- 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.
 - 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. If both JE & AE are available AE should test check at least 50% of the materials.
 - iii) Each MAS Register is checked by JE & AE at least once a week.
 - iv) Cement register is reviewed by EE at least once in a month for work at same station and alternate months for work at out station.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

GENERAL CONDITIONS

1. The work shall be carried out as per CPWD specifications 2019 Vo. I to II with upto date correction slips upto the date of receipt of tender, where CPWD specifications are silent, relevant B.I.S. codes shall be applicable. If the item is not available in the relevant B.I.S. codes then the decision of the Engineer-in-charge shall be final.
2. The contractor has to make his own arrangement for all the materials required for the work and get them approved from the Engineer-in-charge before using the same in the work.
3. The dismantling wherever required shall be done in a manner that no other portions of the building or its fixtures are damaged. If any damage is done to the building it will be made good by the contractor at his own cost and no claim what so ever will be entertained on the work.
4. The contractor must get himself acquainted with the proposed site for the works and study specifications and conditions carefully before tendering, no claim whatsoever on this account shall be entertained later on.
5. All incidental charges of any kind for the materials to be arranged by the contractor whatsoever including cartage, storage, cutting and wastage etc. shall be borne by the contractor himself and nothing extra will be paid to him on this account.
6. The contractor shall have to carry out the work according to the programme mutually decided between him and the Engineer-in-charge of the work. No claim for idle-labour on any account shall be entertained.
7. Necessary recoveries such as water charges, Income Tax, GST, Labour welfare cess etc. as per applicable rate shall be made from the amount due to the contractor.
8. The quantities of items should not be executed beyond the agreement quantities without prior approval/permission of the Engineer-in-Charge.
9. Contractor will have to make his own arrangement for tools and plant & machinery required for the work and department will not supply any tools and plants.
10. The contractor should study the General Conditions of Contract before tendering. This shall be the part of the agreement. It is available in the office of EE/AE & in market as well as C.P.W.D. website.
11. Samples for testing of various materials shall be provided free of cost by contractor. Other incidental expenditure required to be incurred for taking the sample, conveyance; packing, sealing, loading, unloading etc. shall be borne by the contractor himself. The cost of testing shall be borne by the contractor.
12. Any damages done to the electric fittings, installations, while using them shall be made good by him at his own cost.
13. No residential accommodation shall be provided to any of the staff engaged by the contractor.
14. The rates include all leads, lifts, heights within campus etc. No extra payment shall be made on any account.
15. If contractor uses electricity of department, a recovery @0.50% shall be made on gross bill amount from each bill. If no electricity is required, then no recovery shall be made on this account.
16. Site will be made available in parts. The contractor shall start the work as prescribed in schedule A to F.
17. The equivalent make of the item shall be allowed only when the make mentioned in the nomenclature of item or in the list of approved brand is not available. This shall be allowed only with prior approval of Engineer-in-charge.
18. All the materials shall be supplied in good condition of approved make only to the concerned Junior Engineer/Assistant Engineer at his relevant store along with original invoices of materials.
19. All rates of items are inclusive of all taxes i.e. G.S.T. etc. and nothing extra will be paid on a/c of G.S.T. etc.
20. **The MAS Register should include following details at the time of supply / issue of the plants and other materials:**
 - i. **The details of bills in respect of supply of the plants and other materials.**

Executive Engineer /SSKHD

SPECIAL CONDITIONS

1. The structural design of the MS staircase shall be carried out by the Contractor within 15 days of award of the work. No extra payment shall be made to the Contractor.
2. The structural drawings shall be proof-checked by the Contractor through a Government Institute (Any Govt institute i.e. IIT/NIT). No extra payment shall be made to the Contractor.
3. Four sets of drawings shall be submitted by the Contractor to the office for approval. No extra payment shall be made to the Contractor.

Executive Engineer /SSKHD

PARTICULAR SPECIFICATION

1. Inspection of materials and work: All the materials brought to the site by the contractor for use in the work as well as fabricated work shall be subject to inspection and approval by the Engineer-in-charge.
2. Removal of rejected materials: In case any materials are rejected by the Engineer-in-Charge, the same shall be removed from the site within 48 hours, failing which the same may be got removed by the Engineer-in-charge at the risk and cost of the contractor.
3. Manufacturer's Test Certificate: The contractor shall produce Manufacturer's Test Certificate for any material of particular batch of materials supplied by him, if required by the Engineer in charge. The test(s) carried out shall be as per relevant specifications/ BIS Code.
4. Contractor should ensure the availability of material at site duly tested as per specifications and approved by the Engineer-in-charge. In no case the dismantling etc. should be carried out before the availability of approved quality of material. If contractor fails to follow this instruction a penalty of Rs.200/- per day delay for this fault shall be recovered. The decision of Engineer-in-Charge shall be final and binding.
5. Wherever the malba / rubbish occurs on account of work at upper floors / roof, the same shall be brought down through stair case or with some mechanical arrangement only and shall not be thrown to the ground directly from upper floors and has to be disposed off at specified dumping point in the area.
In no case malba / rubbish / unserviceable material or Construction material shall be stacked or dumped near the staircase / path /road berms / road / lawn / outside premises even for temporarily purpose.
6. If the contractor fails to comply the above conditions for removal / disposal of malba, a fine of Rs.500/- for each fault per day shall be recovered from the contractor. The department may remove the malba so generated and dumped, by issue a notice or instruction through site order book, by Junior Engineer / Assistant Engineer, concerned and **a recovery of Rs.1500/- per cum** shall be made from the contractor. (In this case item for disposal of malba at approved municipal ground shall not be paid).
7. No claim / dispute shall be entertained on the conditions at any stage either during execution of work or after completion of work and decision of the Engineer-in-charge shall be final and binding.
8. Unless and until specified in the item the contractor shall make his own arrangement for lifting / hoisting / placing of steel girders / steel sections by suitable arrangement either manually or by mechanical crane etc. as approved by the Engineer-in-charge upto all heights in the building at no extra cost.
9. The contractor shall stack the building materials away from the building at site as approved by the Engineer-in-charge and nothing extra for lead / lift of material for bringing the materials manually in the premises shall be paid.
10. The dismantled materials received during demolition, if not taken back by the Department, shall be recovered at the rates as follows: -
 - a) **Wooden window/doors/shutters with or without frames shall be recovered @ Rs.300/- per Sqm except M.S. bars.**
 - b) **Steel girders / reinforcement / sectional windows / steel door windows / grills / C.I / G.I. Pipes etc. at Rs.30/- per Kg.**
 - c) **Aluminum doors / windows / sections at Rs.150/- per Kg.**
 - d) **Old C.I. flushing cistern including fittings at Rs.250/- per cistern**
 - e) **Wooden Scrap/Fuel wood Rs. 10/- Per Kg**
 - f) **Empty container of Acrylic/ Distemper/ Paint/Chemical @ Rs. 2/- per kg/per litre**
 - g) **PVC items @ Rs. 25/- kg.**
 - h) **FRP items @ Rs. 12/-per kg.**
 - i) **Brass Items @ Rs. 400 /-per Kg.**

The decision of Engineer in charge for dismantled materials to be taken back / mode of payment or recovery shall be final and binding.

11. The contractor shall at his own cost make arrangement for weighing of the dismantled materials at site of work.
12. The dismantled bricks, brick tile and red sand stone shall be accounted for recovery from the contractor at rate described below:-

S. No.	Item	Cement mortar	Mud mortar	Recovery rate
1	Bricks	297 nos. or actual quantity whichever is more in one cum of brick work dismantled	371 nos. or actual quantity which ever more in one cum of brick work dismantled	Rs. 4590/- per thousand.
2	Brick tiles	228 nos. or actual quantity whichever is more per ten sqm area dismantled		Rs. 4600/- per thousand.
3	Red sand stone of any thickness	60% of area dismantled or actual quantity which ever more		Rs. 230/- per sqm.

13. The dismantled Red stone slabs shall be accounted for maximum 60% or actual quantity of the area of stone dismantled. The recovery of the balance stone slabs not returned by the contractor after being measured in respective item will be made at the rate of Rs.30/- per Sqm.
14. Before starting the work the contractor shall chalk out a programme in consultation with the Junior Engineer /Assistant Engineer-In-charge as to inform the occupants at least one week ahead. The contractor shall have to adhere to this programme failing which contractor shall be responsible for any inconvenience caused to the occupants. In order to ensure that the work is carried out according to the programme drawn up the contractor shall ensure adequate supply of the material and employ required labour strength for execution of work. In case contractor fails to arrange / employ adequate labour to stick the programme, the Engineer-in-charge may supplement the labour and cost of the labour shall be recovered from the contractor after issue of one day's notice to the contractor. No claim for idle labour shall be entertained. The contractor shall depute his representatives daily at site of work for the record of the department.
15. The contractor shall prepare one sample of all items which should be got approved from the Engineer-in-charge, only on acceptance of sample work, contractor will be allowed to commence the work and sample is to be preserved by contractor till the whole work is completed. The quality of work should be confirmed to the approved samples.
16. The contractor shall note that the items of work in any room shall be undertaken at one time one after the other and completed at one stretch in time allowed for the same by the Engineer-in-charge and got noted by Junior Engineer-in-charge for the residents. Any items left over in any building shall be got done at his cost and risk without any further notice (other than one entry in the site order book) to the contractor after 4 days from the date of entry in the site order book.
17. The contractor and/or his authorized agent should see the site order book every day and get the compliance noted by the J.E. /A.E. / Engineer-in-charge.
18. The rooms/sites where the work is to be executed on any day shall be got approved from the representatives of the Engineer-in-charge at the site of work. No work shall be carried out in any room/site without the approval of the representative of the Engineer at the site of work. Such work carried out without the approval of the representative of the work shall be rejected and will not be measure and paid for.
19. Nothing extra shall be paid to the contractor for excess consumption of materials in case of material arranged by him.
20. Due to security reason the contractor shall have to arrange timetable of labour according to the security staff and Engineer-in-charge instructions. The contractor should see the site before the execution of work.

21. The contractor shall make his own arrangement for getting the permission to ply the trucks from the traffic police.
22. Passes shall be arranged by the department for inside the building only, if necessary.
23. The contractor shall be responsible for behavior and conduct of his workers. No worker with doubtful integrity or having a bad record shall be engaged by the contractor.
24. The contractor shall have to remove all splashes after completing the work. In case the splashes are not removed by the contractor the same shall be got removed by the Engineer-in-charge and necessary recovery for the cost of removal of splashes shall be made from the contractor.
25. The work shall be carried out in the manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
26. For completing the work in time, the contractor might be required to work in two or more shifts including night shifts and no claim whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay to the labours and other staff engaged directly or indirectly on the work according to the provisions of the labour regulation and the agreement entered upon and/or extra amount for any other reason.
27. The contractor must take adequate precautions to ensure that no spillage of construction material/malba/building rubbish takes place on to the carriageway. Failure to observe this will make the contractor liable to pay compensation @ Rs. 100/- (Rs. One Hundred only) per day, per metre length of each carriage way as affected by spill or of any construction material, subject to a maximum of 5% (Five percent) of the estimated cost of the work put to the tender. The decision of Engineer-in-charge in this regard, shall be final and binding on the contractor.
28. The temporary warning lamps shall be installed at all barricades during the hours of darkness and kept lit at all times during these hours.
29. The malba/rubbish shall be disposed off by mechanical transport to the approved municipal dumping ground for which payment shall be made as per item in the agreement. The lead specified in the agreement is indicative only. The rate to be quoted by the agency /contractor for disposal upto the approved municipal dumping ground shall be inclusive of all and nothing extra over and above the agreement item(s) shall be paid. If the quantum, of malba, so generated from the work is less than one truck load, the same shall have to be collected in wheel barrow /trolley and shall be dumped at the specified dumping point, approved by the Engineer in-charge, in the area and the same should be lifted as soon the one truck load is collected or within three days which ever is earlier. **Malba to be disposed at nearest MCD dumping ground by mechanical transport as per direction of Engineer-in-charge.**
30. **GUARANTEE BOND:-Five years guarantee bond in prescribed proforma, herewith shall be submitted by the contractor which shall also be signed by the contractor to meet their liability/liabilities under the guarantee bond.**

10% of total cost of water proofing item (excluding cost of external plaster on masonry, if water proofing compound added in external plaster also) shall be retained as additional security deposit and the amount so withheld would be released after five years from the date of completion of the entire work under the agreement. If the performance of the work done is found unsatisfactory and any defects noticed during the guarantee period, they shall be rectified by the agency within 10 days of receipt of intimation of defects in the work. If the defects pointed out are not attended to within the specified period, the same will be got done from another agency at the risk and cost of the agency.

However, the security deposit deducted may be released in full against bank guarantee of equivalent amount in favour of Engineer in charge, if so decided by the Engineer in charge.

The Security deposit against this item of work shall be in addition to the security deposit mentioned elsewhere in contract form.

31. **The site should be cleared by the contractor in all respect otherwise Compensation of Rs. 10,000/- shall be imposed on the contractor.**
32. It should be noted that no labour huts shall be provided to the Agency inside the campus. If required only necessary space for storage space shall be provided till the completion of work after approval of hospital authority.
33. All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.
34. The maintenance of hospital building is very important nature and work to be executed is fixed timeline manner. In case of Non-compliance of work within Stipulated period as specified department reserve the right to recommend to the competent authority to take any action as deemed of part from levy of compensation to black listing from taking up any further work in entire CPWD for next one year.
35. Work may have to be carried out during odd hours and/or during night shift as per availability of site/work area. Rates quoted by agencies shall be inclusive of every single component likely to be involved for working under such conditions. Nothing extra over and above the quoted rates shall be payable on this account.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

SPECIAL CONDITIONS OF PAINT

1. Scrapping shall be shown to the Assistant Engineer and got approved and test checked by him, prior to application of priming and putty on surface.
2. The contractor shall have to remove all splashes after completing each day's work. In case the splashes are not removed by the contractor the same shall be got removed by the Engineer-in-charge at contractor's risk & cost
3. Material of following make/brand shall be used by the contractor and sample shall be got approved from the Engineer-in-charge.

a) **Synthetic Enamel Paint having VOC (Volatile Organic Compound) content less than 150 gm/litre**

	Name of the firm	Brand Name
(i)	Asian Paint	Apcolite Enamel
(ii)	Berger Paints	Luxol Hi - Gloss
(iii)	Kansai Nerolac Paint Ltd	Nerolac Synthetic Enamel high Gloss Finish
(iv)	ICI Paints	Dulux Gloss
(v)	Shalimar Paint	Superlac Hi-Gloss Enamel

b) **Premium Acrylic Smooth Exterior with Silicone additives paint.**

	Name of the firm	Brand Name
(i)	Asian Paint	Ulitima Paint
(ii)	Berger Paints	Weather coat all guard
(iii)	Kansai Nerolac Paint Ltd	Excel Total
(iv)	ICI Paints	Weather Shield Max
(v)	Shalimar Paint	Xtra Maxima/Weather Pro+

c) **Acrylic Distemper 1st Quality having VOC (Volatile Organic Compound) content less than 50 gm / litre**

	Name of the firm	Brand Name
(i)	Asian Paint	Premium Acrylic Distemper
(ii)	Berger Paints	Berger Acrylic Distemper
(iii)	ICI Paints	Maxolite
(iv)	Kansa Nerolac Paints	Nerolac Beauty Acrylic Distemper
(v)	Shalimar Paint	No.1 Premium Acrylic Distemper

d) **Cement Primer**

	Name of the firm	Brand Name
(i)	ICI	Dulux Cement Primer
(ii)	Nerolac Cement Primer	Nerolac Cement Primer
(iii)	Asian	Deco Cement Primer
(iv)	Berger	Berger cement Primer

e) **Water Proofing cement Paint**

	Name of the firm	Brand Name
(i)	M/s Berger Paints	Durocem
(ii)	M/s Asian Paints	Gattucem
(iii)	M/s Snowcem India Ltd.	Snowcem Plus
(iv)	M/s Jenson & Nickolsen	Robbiacem

f) **Premium acrylic Emulsion paint Interior grade having VOC (Volatile organic Compound) less than 50gm/ltr.**

	Name of the firm	Brand Name
(i)	Asian	Premium Acrylic Emulsion
(ii)	Berger	Rangoli Acrylic Emulsion
(iii)	Nerolac	Beauty Gold Acrylic Emulsion
(iv)	ICI	Super Smooth
(v)	Shalimar Paint	Superlac Premium Acrylic Emulsion

g) **Luxury/ Superior acrylic Emulsion paint Interior grade having VOC (Volatile organic Compound) less than 50gm/ltr**

Name of the firm	Brand Name
(i) ICI	Velvet Touch
(ii) Nerolac	24 Carot
(iii) Asian Paint	Royal Shine
(iv) Berger	Silk Luxury emulsion
(v) Shalimar Paint	Hussain Collections/Signature/stay clean

h) **Cement Based Putty**

Name of the firm	Brand Name
(i) Birla	Birla Putty
(ii) JK	JK Wall Putty
(iii) Burger	Burger wall putty

Make/ Brand of any other material/ fitting not mentioned above shall also be got approved from Engineer-in-charge in advance before starting the work.

In case of material/fittings of make/brand other than mentioned above is to be used due to non-availability or any other reason permission will have to be obtained from Engineer-in-charge in writing. The date of manufacturing and batch no. will be inscribed or printed on pack/containers by manufacturers are acceptable for all the above said materials. Fresh material shall be brought at site as far as possible and materials more than 4 months old from the date of manufacturing will be rejected. The contractor shall have to get the shades/brands of all types of paints, distempers, water proofing cement paint etc. Approved from the Engineer-in-charge before procurement of materials.

4. The Co-efficient for working out theoretical consumption of paint items are as below (If it is not mentioned in items):-

(a) **Textured exterior paint.**

- (i) One or more coats on old work applied @ 1.82 ltr per 10 sqm.
- (ii) Two or more coats on new work applied @ 3.28 ltr per 10 sqm.

(b) **Water proofing cement paint.**

- (i) One or more coats on old work @ 2.20 kg per 10 sqm.
- (ii) Two or more coats on old work @ 3.84 kg. per 10 sqm.

(c) **Acrylic Emulsion having VOC (Volatile Organic Compound) less than 50gm/litre.**

- (i) One coat @ 0.53 ltrs. Per 10 sqm.
- (ii) Two coats @ 0.84 ltr. Per 10 sqm.

(d) **Premium Acrylic Emulsion having VOC (Volatile Organic Compound) less than 50gm/litre.**

- (i) One coat @ 0.38 ltrs. Per 10 sqm.
- (ii) Two coats @ 0.60 ltr. Per 10 sqm.

(e) **Acrylic Distemper 1st Quality having VOC (Volatile Organic Compound) content less than 50 gm / litre**

- (i) One coat @ 0.62 ltrs. Per 10 sqm.
- (ii) Two coats @ 0.99 ltr. Per 10 sqm.

(f) **Synthetic enamel paint having VOC (Volatile Organic Compound) content less than 150 gm/litre.**

- (i) One coat @ 0.53 ltrs. Per 10 sqm.
- (ii) Two coats @ 0.84 ltr. Per 10 sqm.

(g) Premium Acrylic Exterior paint

- (i) Two or more coats on old work applied @ 1.43 ltr per 10 sqm.
- (ii) One or more coats on old work applied @ 0.83 ltr per 10 sqm.

(h) Melamine paint

- (i) One or more coat on wooden doors/window @ 0.65 ltr per 10 sqm.
- (ii) Plastic Emulsion Paint One or more coat @ 0.73 ltr per 10 sqm.

(i) Groove painting with plastic emulsion paint

- (i) Plastic emulsion paint @ 0.027 ltr per 15 m.

(j) Painting with fire retardant paint

- (i) Painting with fire retardant paint @ 0.70 ltr per 10 sqm.
5. Nothing extra shall be paid for excess consumption of material in case of material arranged by the contractor. In case of less consumption of material than theoretical requirement, the payment shall be restricted for the area covered theoretically with the quantity actually consumed provided the quality of work is acceptable.
 6. **70% quantity** of the material like paint, distemper, Plastic emulsion paint, water proofing cement paint shall be brought in sealed containers & deposited with JE in charge before start of the painting work along with **original invoices of material**.
 7. All empty containers received after use of Paints, distemper etc. in the work shall be kept at site store till completion of the work and shall not be allowed to be removed without permission of the Engineer-in-charge.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

ADDITIONAL CONDITIONS

WHEN CEMENT IS ARRANGED BY THE CONTRACTOR

I. Conditions for Cement

(i) The contractor shall Procure 43 grade (conforming to IS 8112) ordinary Portland cement, as required in the work, from reputed manufacturers of cement, having a production capacity of one million tonnes or more per annum, such as ACC, L&T, J.P.Rewa, Vikram, Shri Cement, Birla Jute & Cement Corporation of India etc. as approved by Ministry of Industry, Government of India, and holding licence 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.

(ii) The contractor shall assess theoretical requirement of cement to be used in the work. The cement shall be brought at site in supply of approximately 50% of the total assessed requirement or 100 bags which ever is more. In case assessed requirement is less than 100 bags, then agency has to bring whole quantity in one lot. However decision of the Engineer-in-Charge shall be final.

(iii) The cement godown of the capacity to store a minimum of 200 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 godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

(iv) The contractor shall produce manufacturer's test certificate for cement for each lot of cement, which the contractor has brought at site. The contractor shall also produce bill of purchase from manufacturer or their authorized dealer in addition.

(v) 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 conditions laid therein.

(vi) 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.

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

Special Conditions for Steel Reinforcement Bars

1. Only ISI marked TMT Bars of various grades shall be procured from steel manufacturer.

The procured steel should have following qualities:-

- i. Excellent ductility, bend ability and elongation of finished product due to possible refining technology.
- ii. Consumption of steel should be accurate as per design.
- iii. Steel should have no brittleness problem in finished product.
- iv. Steel should carry the quality of corrosion and earthquake resistance.
- v. Quality steel with achievement of proper level of Sulphur and phosphorus as per IS:1786-2008.

Credentials for eligibility criteria & other technical parameters for steel manufactures:

a) The steel manufacturer should have following documentary evidence :

- i. certificate of incorporation
- ii. Memorandum of articles of Association.
- iii. Credit rating of the company from CARE/CRISIL/ICRA (the grading should not be C/D grade from minimum last 3 years)

b) The steel manufacturer must have following licenses and certificates:

- i. ISI certificate for billets (IS 2830 : 2012)
- ii. ISI certificate for TMT Bars (IS 1786:2008 (Amendment-1 November 2012)).

c) The steel manufacturer should also preferably have the following licenses:

- i. ISO 9001:2015
- ii. ISO 14001 : 2015
- iii. OHSAS 18001:2007

d) The steel manufacturer should be using iron ore as the basic raw material. The entire gamut of iron and steel production is owned by the same company or its subsidiary company (ies) and the iron making capacity is sufficiently matching the steel making capacity, adopting any of the refining technologies for manufacturing steel & TMT Bars as given under are eligible :

- i. BF-BOF route
- ii. COREX-BOF route
- iii. DRI-EAF round (Each Electric Arc Furnace should be 100 MT or more)

e) Billets produced must be ISI marked (IS 2830:2012)

f) The TMT bars produced must be ISI marked (IS 1786:2008)

g) The steel manufacturer should have the following in house testing facilities (NABL Accredited):

- i. Computerized Universal Testing Machine
- ii. Spectrometer
- iii. Bend Re-bend facility as per IS: 1786:2008 (Amendment-1 November-2012)
- iv. Raw material laboratory: Arrangement for testing Carbon, Sulphur & Phosphorous etc.
- v. Other testing facilities as specified in IS : 1786:2008 & IS: 2830:2012.

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

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

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

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

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

<i>Size of bar</i>	<i>For consignment consignment above 100 tonnes</i>	<i>For below 100 tonnes</i>
Under 10 mm diabars	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10 mm 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 55 tonnes or part thereof

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

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

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

LIST OF PREFERRED MAKESLIST

Preferred/Brands names of materials approved by the **Engineer-in-Charge**, are listed below. However, approved equivalent materials and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market, the same shall be subjected to approval of the alternate brand by the **Engineer-in-Charge**.

Sl. No	Materials	Approved make
1	Cement (OPC)	ACC, Ambuja, J.K, Ultra-Tech, Birla Uttam, Shri Cement, Cement Corporation of India.
2	White Cement	J.K. White, Birla White
3	Steel Reinforcement	TISCO, SAIL, RINL & JSPL
4	Structural Steel Sections	TISCO, SAIL, RINL, Jindal & Capital, JISPL
5	Superplasticizers	Fosroc, Sika&Pidilite, Makphalt.
6	Water Proofing Compound(Liquid)	Pidilite, Fosroc, Snowcem, Cico& Sika, Makphalt.
7	Flush door shutters	Century,Duro, Greenlam, Kitply& Merino, Bhutan Tuff
8	Commercial ply, Wood	Century,Duro, Greenlam, Kitply& Merino, Bhutan Tuff
9	High pressure laminates/Venners	Formica, Sunmica, Greenlam, Kitply& Merino, Bhutan Tuff
10	GI Profile sheet and accessories	Bhushan steel, Kamdhenu steel, Everest steel & Essar steel
11	Poly carbonate sheet	Galina, Lexan, Polygan, GE
12	FRP door shutters and frames	Fibreways, Rajshree, Jain doors, Selected, CIMBA, Ashoo Model arts.
13	GI wire mesh	Sterling, Trimurty & Tiger
14	PTMT fittings	Prayag , Prima, Polytuff, Shakti, Sparsh Pearl
15	Stainless Steel Pipes	Jindal Steel, Lohia steel & Salem Steel
16	Glass wool	UP Twiga&Rockwoollloyod
17	Ceramic Wall Tiles/Floor Tiles	Kajaria, Johnson & Somany
18	Vitrified Tiles	Kajaria, Johnson, Somany & Nitco
19	Wooden/ Steel Fire Check doors	Navair, Sukri, Kuty, Bhawani and Pacific
20	Polysulphide Sealant	Fosroc, Pidilite, Tuffseal, Sika, Makphalt.
21	Dash/ Anchor Fasteners	Hilti, Fischer, Bosch & Canon
22	Aluminium Extrusions	Hindalco, Nalco, Jindal, Mahavir
23	SS Hinges	Godrej, Ebco, Jolly & Argent
24	All Types Of Glass	St. Gobain, Modiguard, Pilkington, Asahi & Atul
25	Fire-Rated Glass	St. Gobain, Pilkington & Schott
26	Epoxy Primer and Paints	ICI India, Nerolac, Asian Paints & Berger
26	Gypsum Board	St. Gobain Gyproc, BORAL& AMF
27	G. I. Pipe	Tata, Jindal Hissar, Jindal star & Surya Prakash
28	G.I. Fittings	ZOLOTO, UNIK & ICS
29	CPVC Pipes & Fittings	Astral, Finolex, Prayag & Ashirwad, Prince, Sparsh Pearl
30	Intumescent Strip For FRD Shutters	Promat, Pemko, Ntumex, Astoflame
31	Door closer and floor spring	Godrej, Hardwyn & DORMA
32	All Hardware and Fittings For all Types of Doors and Windows	Dorset, Everite, Ebco, Classic
33	Prelaminated Particle Board	ECO Board, GVK Novopan, Green ply, Nuwood, Duratuff ,Actiontesa
34	Adhesives	Fevicol, Anchor, Dunlop & Pidilite
35	Weather Silicon Sealant	Wacker, Dow Corning, Mccoy & Soudal
36	EPDM Gasket	Hanu& Anand
37	Fire Retardant Paints	Navair, Asian Paints & Shalimar
38	European / Indian WC, Wash basins and other vitreous chinaware.	Parry ware, CERA, Hind ware Jaquar
39	RCC Pipes	Pragati, Lakshmi, Sood&Sood, Jain & Co.

Sl. No	Materials	Approved make
40	CC Pavers	KK Manholes & covers, M/s Tuftech, M/s Modern tiles, Dalal, M/s Kriti
41	SFRC/ RCC manhole covers Gully grating and Road gully chamber covers	KK Manholes & covers, M/s Modern tiles, M/s Kriti
42	Crystalline Cementious Waterproofing Compound	Xypex, Consruction Chemicals, Krytone, Penitrone & Fosroc, Makphalt.
43	Stainless Steel Sinks	Neelkanth, Nirali, Jayna, Shakti & Cera, Sparsh Pearl
44	CCI/ SCI Pipes& Fittings	Bharat Industrial Corporation, Jaiswal Neco, HIF, RIF & SKF
45	Stoneware Pipes and Gully Traps	Perfect, Anand & Sant
46	Gunmetal Valves	Zoloto, Leader & Sant
47	CI Double Flanged Sluice Valve	Kirloskar, Jaiswal Neco, RIF, HIF & SKF
48	CI Manhole Frame & Covers	Jaiswal Neco, RIF, KK & SKF
49	Sanitary CP Fittings	MARC, Jaquar, kohler, grohe, Sparsh Pearl, Shakti
50	Calcium Silicate Board	Gyproc, Boral, Hilux
51	PVC Flushing Cistern	Parryware, CERA, Hindware, Sparsh Pearl, Shakti
52	Metal false ceiling tiles	Newage, Boral, Gyproc & Dexune, Gypotech
53	Calcium silicate false ceiling tiles	Aerolite or Gypotech
54	False ceiling grid and accessories	Newage, Boral, Gyproc & Dexune, Gypotech
55	PVC laminated false ceiling tiles	Newage, Boral, Gyproc & Dexune, Gypotech
56	GI Frames and studs	Gyproc, Boral
57	PVC Water storage tank	Syntex, Unitank, POLYCON, SPL, Sparsh Pearl (weight and wall thickness as per CPWD specifications)
58	FRP Chajja	Fibreways, Cimba, Rajshree, Jain doors, Selected & Ashoo Model arts, Bhatt fibreways
59	FRP Sheet	Sincryl, Cimba, Fibreways, Rajshree, Jain doors, Selected & Ashoo Model arts, Bhatt fibreways
60	Laminated wooden flooring	Pergo, Vista & Armstrong
61	MS tubes (Square/Rectangular/circular)	Bhushan steel, Swastik, APL Apollo, Surya & Jindal
62	Synthetic enamel paint	Brands as per special conditions of paints
63	Acrylic Distemper	Brands as per special conditions of paints
64	Premium Acrylic Interior Emulsion	Brands as per special conditions of paints
65	Acrylic Exterior Emulsion	Brands as per special conditions of paints
66	Premium Acrylic Exterior Emulsion	Brands as per special conditions of paints
67	Cement Primer	Brands as per special conditions of paints
68	Cement Based Putty	Brands as per special conditions of paints
69	R.M.C.	Ultratech, L&T, Lafarge, V.K. Ready Mix Concrete Pvt. Ltd. M/s Shri Ram Ready Mix Concrete Pvt. Ltd. PRISM RMC, NDCON.
70	Wood Polymer Composite material for solid door frames, Solid plain and moulded doors, plain/Pre-laminated boards for wall linings etc.	ALSTONE, Cimba, ECOCELL
71	(a) WPC Doors for frames, WPC Board, WPC Jali (b) Alstone Silicon Sealant	ALSTONE, Cimba, Rajshri plastiwood

Sl. No	Materials	Approved make
72	Copper alloy fancy single taps, combination tap assembly and stop valves for water services (C.P. Brass Bathroom fitting & Accessories) (ISI Marked 8931:1993)	KINGSTON, Jaquar, Kohler, Roca, Prima, Sparsh Pearl, Shakti
73	Stainless Steel Sinks for Domestic Purposes (ISI Marked 13983:1994)	KINGSTONE/COBRA/ NIRALI, Sparsh Pearl, Shakti
74	APP sheets	Bitumen co. ltd., Roflex, STP, Dermabit, Makphalt.
75	Furniture Items	Godrej, steelcase, Geekeen Seating Collection Pvt. Ltd., Herman millar, Durian.
76	RO System	Thermax, Ion exchange, Eureka forbes .
77	Homogeneous antibacterial speciality wall covering	WONDERFLOOR, Premier polyfilm ltd, LX HAUSYS
78	Vinyl Flooring	WONDERFLOOR, Premier polyfilm ltd, LX HAUSYS
79	Stainless steel Surgical scrub seat with dual bays	VIKRANT, JAYNA, Vijay
80	Roller blinds /Vertical Blind	Luxaflex, Vista, Blindtex
81	Stone polymer composite floor tiles & Stone polymer composite wall paneling	Wall spun, Argil

Note:

1. Unless otherwise specific specified, the makes mentioned in the nomenclature of concerned item will prevail over the list of makes specified above.
2. The contractor shall provide the materials as per the make or Brand indicated above. When two or more alternative brands have been mentioned, the brand to be finally used shall be decided by the Engineer-In-Charge. The contractor shall obtain the approval of Engineer-in-charge for the alternative brands, before the actual execution of items.

RAW MATERIAL SOURCE TO BE APPROVED BY THE ENGINEER-IN-CHARGE.

NOTE: - THE MATERIALS NOT COVERED IN ABOVE LIST OF APPROVED MAKE/ BRAND, SHALL BE OF I.S.I MARKS AS APPROVED BY ENGINEER-IN-CHARGE.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

Annexure-II

List of approved Laboratories for testing of Material

1. Laboratory approved by Competent Authority i.e. ADG Delhi.

**Executive Engineer
SSK Hospital Division
CPWD, New Delhi**

Annexure-III**LIST OF EQUIPMENT FOR FIELD TESTING LABORATORY**

1. Balances
 - (i) 7 kg. to 10 kg. capacity, semi-self indicating type - accuracy 10 gm.
 - (ii) 500 gm. capacity, semi-self indicating type - accuracy 1 gm.
 - (iii) Pan balance- 5 kg. capacity - accuracy 10 gms.
2. Sieves: as per IS 460-1962.
 - (i) I.S. sieves - 450mm internal dia, of sizes 100 mm, 80 mm, 63mm, 50 mm, 40 mm, 25mm, 20 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75mm, complete with lid and pan.
 - (ii) I.S. sieves- 200mm internal dia (brass frame) consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns, with lid and pan.
3. Sieve shaker capable of 200 mm and 300 mm dia sieves, manually operated with timing switch assembly.
4. Equipment for slump test- Slump cone, steel plate, tamping rod, steel scale, scoop.
5. Dial gauges, 25 mm travel - 0.01 mm/division least count - 2nos.
6. Graduated measuring cylinders 200 ml capacity - 3 Nos.
7. Enamel trays (for efflorescence test for bricks).
 - (i) 300 mm × 250 mm × 40 mm- 2 nos.
 - (ii) Circular plates of 250 mm dia - 4 nos.
8. Steel tapes - 3 m
9. Vernier calipers
10. Micrometer screw 25 mm gauge
11. A good quality plumb bob
12. Spirit level, minimum 30 cms long with 3 bubbles for horizontal vertical
13. Wire gauge (circular type) disc
14. Foot rule
15. Long nylon thread
16. Magnifying glass
17. Screw driver 30 cms long
18. Ball pin hammer, 100 gms
19. Plastic bags for taking samples
20. Depth Gauge
21. Straight edge

Executive Engineer
SSK Hospital Division
CPWD, New Delhi

SCHEDULE OF QUANTITIES

State: New Delhi

Division SSKHD

Branch: B&R

Sub-Division II

Name of Work: Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised)

N/W	Providing and fixing of MS Fire Exit Staircase for Emergency at UG Hostel West Block (Front & Back side) of LHMC & Associated Hospital, New Delhi. (Revised) (Recall)				
SLNo	Description	Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
1.1	All kinds of soil.	85	cum	260.30	22126.00
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	66	cum	196.00	12936.00
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
3.1	1:1.5:3 (1 Cement: 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	19	cum	8340.85	158476.00
3.2	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	6	cum	6518.60	39112.00
4	Centering and shuttering including strutting, propping etc. and removal of form for				
4.1	Foundations, footings, bases of columns, etc. for mass concrete	74	sqm	392.15	29019.00
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
5.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	1330	kg	107.85	143441.00
6	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	4920	kg	133.70	657804.00
7	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.				
7.1	Using M.S. angels 40x40x6 mm for diagonal braces	20	sqm	5804.35	116087.00
8	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				

8.1	Hot finished welded type tubes	3750	kg	194.40	729000.00
9	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
9.1	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	15990	kg	123.60	1976364.00
9.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	18750	kg	172.60	3236250.00
10	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:				
10.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	1400	sqm	226.25	316750.00
	Total				7437365.00
	Modified Estimate Cost after using Correction factor on DSR 2023 on account of GST @ 0.973				7236556.15
	Total				7236556.15
	Cost Index (101~107/107) = Minus 0.06%				4341.93
	Total				7232214.22
	Say				7232214.00

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