

Name of Work: Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.**

NIT

NIT No. 23/EE&SM(C)-II/KPD-II/2026-27

**O/o THE EXECUTIVE ENGINEER AND SENIOR MANAGER (C)-II,
KARAIKAL PROJECT DIVISION-II,
CPWD, KARAIKAL – 609 602**

NOTICE INVITING e-BID**NIT No. 23/EE&SM(C)-II/KPD-II/2026-27**

Name of Work: Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing and other related works over the existing Turss work at the Newly constructed Indoor Stadium.**

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Certified that this NIT contains page nos. 01 to 67 (One to Sixty Seven pages only including the cover page)

**Assistant Engineer (C) - I
KPD - II, CPWD, Karaikal**

**Executive Engineer and Senior Manager (C)-II
KPD-II, CPWD, Karaikal**

PART - A

N. I. T.

NIT No. 23/EE&SM(C)-II/KPD-II/2026-27

Name of work:	Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.
Estimated Cost Put To Tender	₹ 43,19,348/-
Earnest Money	₹ 86,387/- (To be refunded after receipt of performance guarantee)
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.
Security Deposit	2.5% of bid value
Time Allowed	1 (One) Month

Certified that this NIT contains page nos. 01 to 67 (One to Sixty Seven pages only including the cover page)

This NIT for the work amounting to ₹ 43,19,348/- (Rupees Thirty Eight Lakhs Thirty Six Thousand and Six hundred and Twenty Eight Six only) is hereby approved.

**Assistant Engineer (C) - I
KPD - II, CPWD, Karaikal**

**Executive Engineer and Senior Manager (C)-II
KPD-II, CPWD, Karaikal**

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-BIDDING FORMING PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE

The Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal – 609602 (Mobile No: 9966002057, Email: EEKCDKKL@gmail.com, KKLEE-KCD@CPWD.GOV.IN) on behalf of the President of India invites online percentage rate bids from approved and eligible contractors of **CPWD in Building and Roads category** for the following work:-

Sl. No.	NIT No.	Name of Work & Location	Estimated cost put to bid (ECPT)	Earnest Money	Stipulated Period of completion of work (in months)	Last date & time of 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	23/EE&SM(C)-II/KPD-II/2026-27	Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.	₹ 43,19,348/-	₹ 86,387/-(To be refunded after receipt of performance guarantee)	1 (One) Month	Up to 15:00 on 16.10.2026	at 15:30 on 16.10.2026

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of the bid document.
3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and condition 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.
4. 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 Bankers Cheque or Fixed Deposit Receipts or/ and e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank** towards EMD in favour of [Executive Engineer & Senior Manager \(C\)-II, Karaikal Project Division-II, CPWD, Karaikal](#) receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE / AE), CPWD and other documents as specified.
5. 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>.
6. 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 items be treated as “0” (**ZERO**). However, if a tenderer quotes Nil rate 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.

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

1	Insurance Surety Bond / Demand Draft / Account Payee Banker's Cheque / FDR/ e-Bank Guarantee of any commercial Bank drawn in favour of Executive Engineer and Senior Manger (C)-II, Karaikal Project Division-II, CPWD, Karaikal against EMD.
2	Receipt for deposition of Original EMD. This is applicable in case of EMD being submitted to the division office of any Executive Engineer, CPWD including Executive Engineer inviting bids
3	CPWD Enlistment Order under Composite Category of appropriate class
4	GST registration Certificate if already obtained by the bidder. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents. <i>"If work is awarded to me, I / we shall obtain GST registration certificate, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I / We shall be responsible for any delay in payments which will be due towards me / us on a/c of the work executed and / or for any action taken by CPWD or GST department in this regard."</i>
5	Declaration about Site Inspection (Form K)
6	Certificate of ERP training as per CPWD O.M.DG/Enlist.Rules-2023/Misc./25 dated:15.03.2024 (For CPWD Contractors).

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER**

- 1 The **Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal - 609602** (Telephone No. 04368-266006, Fax No.04368-265501, Mobile No: 9966002057, Email: kkleee-kcd@cpwd.gov.in) on behalf of president of India invites online percentage rate composite bids from approved and eligible contractors of **CPWD in Building and Roads category** for the work of:

*“Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.**”*

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 **₹ 43,19,348/-** This estimate, however, is given merely as a rough guide.
- 2 Agreement shall be drawn with the successful bidder on prescribed Form No. CPWD 7, as amended up to last date of submission of bids which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidder 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 **1 (One) Month** 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 document.
- 4 (i) The site for the work is available.
(ii) The architectural and structural drawings are available.
- 5 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 except Standard General Conditions of Contract Form which can be seen from 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 percentage rate quoted by him any number of times but before last time and date of submission of bid as notified.
- 8 Earnest Money amounting to ₹ 86,387/- in the form of Insurance Surety Bond / Demand Draft / Account Payee Banker's Cheque / FDR/ e-Bank Guarantee (for balance amount as prescribed) from any of Commercial Banks (drawn in favour of Executive Engineer & Senior Manager (C) - II, Karaikal Project Division-II, CPWD, Karaikal) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The Original EMD should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD 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 e-bank guarantee also. In such cases 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 e-Bank Guarantee of any Commercial Bank having validity for a period of 90 days for single bid works 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 tenders 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 to the e-Tendering website within the period of bid submission.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose original EMD deposited with office of Executive Engineer and Senior Manager (C) - II, KPD - II, CPWD, Karaikal and other documents scanned and uploaded are found in order.

a. The bid submitted shall be opened at **15:30 hrs on 16.10.2026**

- 9 The bid submitted shall become invalid & e-Tender processing fee shall not be refunded if:-
 - (i) The bidder is found ineligible.
 - (ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document
 - (iii) 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 whose bid is accepted will be required to furnish performance guarantee **at specified percentage of the tendered amount as mentioned in the 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 e-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 bidder whose bid is accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work and Programme Chart (Time and Progress) within the period specified in Schedule F”.
- 11 The description of the work is as follows:

*“Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing and other related works over the existing Turss work at the Newly constructed Indoor Stadium.**”*

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

- 12 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 assigning any reason thereof. 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 bidder shall be summarily rejected.
- 13 Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the bidders who resort to canvassing will be liable to rejection.
- 14 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.
- 15 The bidder 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 a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the bidder would render him liable to be removed from the approved list of contractors of this Department.
- 16 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 previous 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.
- 17 The bid for the works shall remain open for acceptance for a period of **Ten (10) days** from the date of opening of bid.
Further
 - (i) If any tenderer withdraws his tender or makes any modifications in the terms and 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 and 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 re-bidding process of the same work.

- 18 This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign contract consisting of: -
- a) The Notice Inviting Bid, all the documents including Special Conditions, General Specifications/ Particular Specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7 as amended up to the previous day of last date of submission of bids
- 19 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 Executive Engineer/Assistant Engineer (Phone No. 04368 266003 e-mail ID: kkleekpd@cpwd.gov.in) or ERP help line 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.

**Executive Engineer and Senior Manager (C)-II,
Karaikal Project Division-II,
CPWD, Karaikal-609602**

RECEIPT OF DEPOSITION OF ORIGINAL EMD

(Receipt No.....*/ Date.....*)

Name of work: Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.**

NIT No: 23/EE&SM(C)-II/KPD-II/2026-27

1. **Estimated Cost:** ₹ 43,19,348/-
2. **Amount of Earnest Money Deposit:** ₹ 86,387/-
3. **Last date of submission of bid:** 16.10.2026 upto 15:00 hrs

1. **Name of contractor** #
2. **Form of EMD** #
3. **Amount of Earnest Money Deposit** #
4. **Date of submission of EMD** #

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

Form 'K'

DECLARATION ABOUT SITE INSPECTION

To

**The Executive Engineer and Senior Manager (C)-II,
Karaikal Project Division –II,
Central PWD
Karaikal - 609602**

Sub: NIT No.: 23/EE&SM(C)-II/KPD-II/2026-27 for the work: *Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.*

Dear Sir,

It is hereby declared that as per **CPWD–6 FOR e-BIDING, Para 11, Page 11**, I / We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site, the means of access to the site, the accommodation which may require and all necessary information as to risks, contingencies and other circumstances which may influence or affect our bid have been obtained. I / We the bidder shall have full knowledge of the site and no extra charge consequent upon any misunderstanding or otherwise shall be claimed in later date.

I / We bidder shall be responsible for arranging and maintaining at own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by me / us implies that I / We have read this notice and all other contract documents and has made myself /ourselves aware of the scope and specifications of the work to be done and local conditions and other factors having a bearing on the execution of the work.

Yours faithfully

(Duly authorized signatory of the bidder)

On Non -Judicial Stamp Paper of Minimum of Rs.100/-

(Guarantee Offered by Bank to CPWD in connection with the Execution of Contracts)

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

1. Whereas the Executive Engineer & Senior Manager (C) - II (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 e-Bank Guarantee for Rs..... (Rupeesonly) valid upto (date)* as Earnest Money Deposit from (name and address of contractor)(hereinafter called "the contractor") for compliance of his obligation in accordance with the terms and conditions of the said NIT.

OR **

Whereas the Executive Engineer & Senior Manager (C) - II.....(name of division).....,CPWD on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing numberwith.....(name and address of the contractor)..... (hereinafter called "the contractor")for execution of work.....(name of work).....The Government has further agreed to accept an irrevocable e-Bank Guarantee for Rs...((Rupeesonly) valid upto (date) as **Performance Guarantee / Security Deposit / Mobilization Advance** from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, (indicate the name of the bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs..... (Rupees only) on demand by the Government within 10 days of the demand.
3. We,..... (indicate the name of the bank).....,do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees only)
4. We,.....(indicate the name of the Bank)..... , further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this e-Bank Guarantee being absolute and unequivocal. The payment so made by us under this e-Bank Guarantee shall be a valid discharge

of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

5. We,.....(indicate the name of the Bank).....,further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time 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 as 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 e-Bank Guarantee shall be valid upto to unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.....(Rupeesonly) 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 | Authorized Signatory |
| Name and Address | Name |
| | Designation |
| | Staff Code No. |
| | Bank Seal |
| 2. Signature..... | |
| Name and Address | |

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

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

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

STATE: **PUDUCHERRY** CIRCLE: **SE & PD, KARAIKAL PROJECT CIRCLE, KARAIKAL**
ZONE: DIVISION: **EE & SM (C) – II, KARAIKAL PROJECT DIVISION-II**
BRANCH: **B & R**

**CPWD Form - 7
PERCENTAGE RATE BID & CONTRACT FOR WORKS**

Bid for the work *Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.*

- (i) **To be submitted / uploaded upto 15:00 hrs on 16.10.2026 to the office of the** Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal - 609 602.
- (ii) **To be opened in the presence of bidders who may be present at 15:30 hrs on 16.10.2026 in the Office of the** Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal – 609 602.

BID

I / We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I / We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing 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 respect of accordance with, such conditions so far as applicable.

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

I/we have deposited EMD for the prescribed amount in the office of concerned Executive Engineer as per the bid document.

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or e-Bank Guarantee (as prescribed) issued by a Commercial Bank as earnest money. If I / We, fail to furnish the prescribed performance guarantee within prescribed period, I / We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Further, if I / We fail to commence work as specified,

I / We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to 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 & Performance Guarantee as aforesaid. I / We shall be debarred for participation in the re- tendering process of the work.

I / We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I / we shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee.

I / We hereby declare that I / We shall treat the tender documents drawings and other records connected with the work as secret / confidential documents and shall not communicate information / derived there from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated:

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

ACCEPTANCE

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

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

- (a)
- (b)
- (c)

For & on behalf of President of India

Signature.....

Date:

Designation: Executive Engineer

PROFORMA OF SCHEDULES

SCHEDULE 'A'

Schedule of quantities

SCHEDULE 'B' Schedule of materials to be issued to the contractor

Sl. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
NIL				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S. No.	Description	Hire charges per day	Place of Issue
NIL			

SCHEDULE 'D'

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

Civil Work

Particular Specifications and Special Conditions: **As per Part B of Bid Document**

SCHEDULE 'E'

Reference to General Conditions of Contract: **General Conditions of Contract 2023 for Construction work with amendments up to the last date of submission of bids**

Name of Work: *Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility.* **SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.**

Estimated cost of work : ₹ 43,19,348/-

Earnest Money : ₹ 86,387/-

(To be returned after receiving performance guarantee)

- (i) 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.
- (ii) Security Deposit : **2.5% of bid value**

SCHEDULE 'F' (GENERAL RULES & DIRECTIONS)

Officer inviting bid:

Executive Engineer and Senior Manager (C)-II,
Karaikal Project Division - II,
Central Public Works Department,
Karaikal – 609 602

Definitions:

2(v)	Engineer-in-Charge (i) Civil Work	Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal - 609602 or his successors thereof.
2(viii)	Accepting Authority	Executive Engineer and Senior Manager (C)-II, Karaikal Project Division-II, CPWD, Karaikal -609602 or his successors thereof.
2(x)	Percentage on cost of materials and Labour cover all to overheads and profits	15%
2(xi)	Standard Schedule of Rates (i) Civil Work	Based on Delhi Schedule of Rates DSR 2023 with amendments issued up to the previous day of the last date of submission of bid.
2(xii)	Department	Central Public Works Department (CPWD)
9(ii)	Standard CPWD Contract Form GCC 2023	CPWD Form 7 & General Conditions of Contract 2023 for Construction works with amendments up to the last date of submission of bids

Clause 1

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

Clause 2

a)	Authority for fixing compensation under Clause 2	Superintending Engineer and Project Director, KPC, CPWD, Karaikal. or his successor thereof
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Clause 2A

a)	Whether Clause 2A shall be applicable	No
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Clause 5

a)	Number of days from the date of issue of letter of acceptance for reckoning date of start	7 (seven) days or date of handing over of site whichever is later
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Table of Mile stones [Civil]

Sl. No.	Description of Mile stone	Time allowed in months (From date of start)	Amount to be withheld in case of non-achievement of mile stone
1	50% of the value of the work	15 Days.	2.50 % of the total tendered value
2	Complete work	1 Month.	2.50 % of the total tendered value

Withheld amount shall be released if and when subsequent milestone is achieved within respective time specified. The main contractor will ensure that electrical components of the work are executed in time without giving any chance for slippage of milestone an account of delay in execution of associated electrical works by him. However, in case milestones are not achieved by the contractor for the work, the amount shown against milestone shall be withheld by the Engineer-In-Charge of the respective components.

Note: Intending bidder may submit phasing of activities / milestones on the basis of their resources and methodology at the time of tendering corresponding to physical milestones / stages indicated in the above table. These shall be formed part of the agreement after approval of the accepting authority.

Time allowed for execution of work

1 (One) Month

Time shall be Essence of the Contract and the work is to be completed on Time.

(i)	Authority to convey the decision of shifting of milestone and extension of time	<u>Executive Engineer and Senior Manager (C) - II, Karaikal Project Division - II, Central Public Works Department, Karaikal -609602</u>
(ii)	Authority to decide rescheduling of mile stones and extension of time	<u>Executive Engineer and Senior Manager (C) - II, Karaikal Project Division - II, Central Public Works Department, Karaikal -609602</u>
(iii)	Shifting of date of start in case of delay in handing over of site	<u>Executive Engineer and Senior Manager (C) - II, Karaikal Project Division - II, Central Public Works Department, Karaikal -609602</u>

PROFORMA OF SCHEDULES (CLAUSE 5)

Clause 5.1

The Contractor shall submit a Time and Progress chart for each mile stone as soon as possible but within 7 days of issue of letter of award of work. Such chart shall be made in due consideration of the Schedule of Handing over of site as specified in the Schedule F (**Annexure-A**) and Schedule of issue of designs and drawings as specified in the Schedule F (**Annexure-B**).

The Engineer-in-Charge may within 7 (seven) days of receipt of such chart, make modifications thereafter, if any, and communicate the approved chart to the contractor, failing which the chart submitted by the contractor shall be deemed to be approved by the Engineer-in-Charge.

Schedule of Handing over of site (Annexure-A)

Part	Portion of Site	Description	Time period for handing over reckoned from date of issue of letter of Intent
Part A	Portion without any hindrance	NA	<u>07 (Seven) days or date of handing over of site whichever is later</u>

Schedule of issue of Designs and Drawings (Annexure-B)

Part	Portion of Design	Description	Time period for issue of design reckoned from date of receipt of tenders
Part A	Layout drawing		- NA -

Clause 5.1 Schedule of rate of recovery for delay in submission of monthly progress report	Not applicable
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Clause 5.2

Mode of giving notices for hindrance	Hindrance reporting to be done online through ERP Portal
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Clause 5.4

Schedule of rate of recovery for delay in submission of revised programme	Not applicable
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Clause 6A

Mode of measurement	CMB / eMB
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Clause 7

Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	Rs. 15 Lakhs
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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 8A:

Authority to decide compensation on account if contractor fails to submit completion plans	Not applicable
Compensation	

Clause 10A

List of testing equipment to be provided by the contractor at site lab: **As Per Table 1**

Clause 10 B (ii)

Whether Clause 10 B (ii) shall be applicable	<u>NO</u>
Clause 10C	<u>Not Applicable</u>
Clause 10CC	<u>Not Applicable</u>
For Construction Period	

Sl. No.	Relevant component of material / labour for price escalation	Percentage of total value of work
1	Labour Component	25%

Clause 11

Specifications to be followed for execution of work	<u>Civil Works:</u> <u>a) CPWD Specifications 2019 Volume- I & II with corrections slips up to the last date of submission / uploading of tender</u>
<u>Note:</u> <u>1) The above Specifications shall be applicable with correction slips up to the last date of submission / uploading of bid and amendments thereof.</u> <u>2) Wherever CPWD Specifications are not available, works shall be executed as per Special Conditions, Particular Specifications, Relevant BIS Codes and terms and conditions mentioned in the NIT. Where no specifications or BIS Code is available, Manufacturer's Specifications shall be followed.</u> <u>3) The direction of the Engineer-in-Charge shall be followed in absence of the above two.</u>	

Clause 12

12.2 (c)	Deviation limit beyond which clause 12.2(c) shall apply for building work	<u>100%</u>
	(i) Deviation limit beyond which clause 12.2 (c) shall apply for foundation work (except items mentioned in earthwork subhead in DSR and related items	<u>100%</u>
	(ii) Deviation limit for items mentioned in earthwork subhead of DSR and related items	<u>100%</u>

Clause 16

Competent Authority for deciding reduced rates	<u>Superintending Engineer and Project Director, Karaikal Project Circle, CPWD, Karaikal -609609 or his successors thereof</u>
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Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site	<u>As per direction of Engineer in charge</u>
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Clause 19 – Labour laws to be complied by the Contractor

Competent authority for deciding penalty	<u>Executive Engineer and Senior Manager (C) - II, Karaikal Project Division - II, Central Public Works Department, Karaikal -609602</u>
Clause 19C	<u>Not applicable</u>
Clause 19D	<u>Rs. 500/- for each default</u>
Clause 19G	<u>Not applicable</u>
Clause 19K	<u>Not applicable</u>

Clause 25

Conciliator	<u>Special Director General (Project Region Chennai), CPWD, Chennai</u>
Arbitrator Appointing Authority	<u>Superintending Engineer and Project Director, Karaikal Project Circle, CPWD, Karaikal or his successors thereof</u>
Place of Arbitration	<u>Karaikal</u>

Clause 32 (i) Requirement of Technical Representative(s) and Recovery Rates

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical Representative)	Minimum Experience (Years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of Clause 32 (i)	
						Figures (in `)	Words (in `)
1	Graduate Engineer Or Diploma Engineer	Civil	Project Manager cum Planning / Quality/Site/ Billing Engineer	2 Yrs or 5 Yrs respectively	1No.	15,000/-	(Rupees Fifteen Thousand only) per Month per Person

Annexure - C 1
Form of Application by the Contractor for seeking Extension of Time

- 1 Name of Contractor:
- 2 Name of work as given in the agreement:
- 3 Agreement No:
- 4 Estimated amount put tender:
- 5 Date of commencement of work as per agreement:
- 6 Period allowed for completion of work as per agreement:
- 7 Date of completion stipulated in agreement:
- 8 Period for which extension of time has been given by authority in Schedule 'F' previously:

	EE's Letter No. and date	Extension granted	
		Months	Days
(a) 1 st Extension			
(b) 2 nd Extension			
(c) 3 rd Extension			
(d) Total extension previously given			

1. Reasons for which extension have been previously given (copies of the previous applications should be attached):
2. Period for which extension if applied :
3. Hindrances on account of which extension is applied for which dates on which hindrances occurred and the period for which these are likely to last (for causes under clause 5.2 and 5.3):

Submitted to the authority indicated in Schedule "F" with copy to the Engineer –in – Charge.

Signature of Contractor

Date

Annexure - C 2**Form of Application of the Contractor for seeking Rescheduling of Milestones**

1. Name of Contractor :
1. Name of work as given in the agreement :
2. Agreement No. :
3. Estimated amount put tender :
4. Date of commencement of works as per agreement :
5. Period allowed for completion of work as per agreement :
6. Date of completion stipulated in agreement :
7. Rescheduling of milestones done previously :

	EE's Letter No. and date	Rescheduling of Milestones Done	
		Original Date	Reschedule date
(A) 1 st Milestone			
(B) 2 nd Milestone			

Rescheduling of Milestone applied for

Milestone No. for which Rescheduling is applied	Original / Rescheduled Date	Details and Period of Hindrances	Comments of Executive Engineer	Proposed Rescheduled Date of
(A) 1 st Milestone				
(B) 2 nd Milestone				

Submitted to the Sub Divisional Officer

Signature of Contractor
Date

PART- B

(Civil)

GENERAL SPECIFICATION

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

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

17. The contractor will have to make his own arrangement for obtaining electric connection from the State Electricity Board and make necessary payment directly to the department concerned and / or install generators at the site of work, if required and nothing extra whatsoever will be payable on this account.
18. The drawings for the work that will be issued by the Engineer – in –charge during execution of work shall at all times be properly correlated before executing any work and no claim whatsoever shall be entertained for discrepancies in the drawings.
19. The contractor shall maintain in good condition all work executed till the completion of entire work entrusted to the contract under this contract.
20. The rates for all items of work, unless clearly specified otherwise, shall include the cost of all labour materials, de – watering required, if any, and other inputs involved in the execution of the items.
21. Unless otherwise provided in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, depths, leads and lifts, except for additional height in centering and shutting over a height of 3.5m.No claim whatsoever for idle labour, additional establishments, costs of hire and labour charges for tools and plants etc., would be entertained under any circumstances.
22. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition to the provision of CPWD safety code and directions of the Engineer – in – charge, make all arrangements to provide facility as per the provision of Indian Standard Specifications (Codes) listed below & nothing extra shall be paid on this account.
 1. IS 3696 Part I Safety Code for scaffolds &ladders
 2. IS3696 PartII Safety Codefor scaffolds and ladders
 3. IS764 Safety Code for excavationwork.
 4. IS4138 Safety Code for working in compressed air.
 5. IS7293 Safety Code for working with construction machinery.
 6. IS7969 Safety Code for storage and handling of building materials.
 7. IS4130 Safety code for demolition of buildings.
23. The contractor shall take all precautions to avoid all accidents by exhibiting necessary caution boards and by providing red flags, red lights and barriers. The contractor shall be responsible for any accident at the site of work and consequences thereof.

24. Royalty if any payable and all other incidental expenditure shall have to be paid by the contractor on all the boulders, metal shingle, earth, sand bajri, etc. collected by him for the execution of the work, direct to the concerned Revenue Authority of the State or Central Govt. and the amount paid shall not be reimbursed in any form whatsoever.
25. Other agencies working at site will also simultaneously execute the works entrusted to them and to facilitate their working, the contractor shall make necessary provisions e.g. holes, openings, etc. for laying / burying pipes, cables, conduits, clamps, hooks, operation for the execution of other agencies smoothly. The final finishing of the work is to be executed in co-ordination with other agencies as directed by the Engineer – in – charge.
26. On account of security considerations, there could be some restrictions on the working hours, movement of vehicles for transportation of materials and location of labour camp. The contractor shall be bound to follow all such restrictions and adjust the programme for execution of work accordingly.
27. Stacking of materials and excavated earth shall be done as per the directions of the Engineer – in – charge. Double handling of materials or excavated earth if required shall have to be done by the contractor at his own cost.
28. Cost of applying cement slurry over the concrete surface before fresh concrete is laid as per para 5.4.4.4 of CPWD specifications 2019 is included in the relevant items of the schedule of quantities and nothing extra shall be paid.
29. Unless otherwise specified in the schedule of quantities the rates for all items of work shall be considered as inclusive of working in or under water and / or liquid mud and / or foul conditions including pumping or bailing out liquid mud or water accumulated in excavations during the progress of the work from springs, tidal or river seepage, rain, broken water mains or drains and seepage from subsoil aquifer.
30. Stone slabs for risers and treads of stair cases and steps, where specified, shall be of single piece of required width and length. No joint shall be permitted. The holes of required shape and size shall be drilled in the single piece stone slabs of treads for fixing balustrades wherever necessary. Pattern of stone slabs for landings of staircase shall be decided by the Engineer – in – charge. Nothing extra is payable on this account.
31. Stone slabs used for treads of staircase shall be provided with three lines of machine cut grooves of size 5 mm x 2 mm, 25 mm apart near the nosing of the steps. Nothing extra is payable on this account.
32. To protect the flooring & steps of staircases during construction and until the completion of the work, finished / semi finished surface of flooring shall be covered with a thick layer plaster of paris and this layer shall be maintained in good condition till its removal. The removal of the layer of plaster of paris and cleaning the surface shall be done as and when decided by the Engineer – in – charge. After the removal of plaster of paris and cleaning of the surface, damage, if any, shall have to be made good by the contractor. No extra payment shall be made for doing this operation.

33. The steel work in railing includes fish tailing of the section to be embedded in concrete and fixing the same.
34. In RCC work, to avoid displacement of reinforcement bars in any direction and to ensure proper cover, only factory made round / square type cover blocks should be used.
35. Nothing extra will be paid for centering, shuttering, reinforcement and RCC work for sloped slabs and beams. Unless otherwise specified in the item.
36. Steel bars shall be stored about 30 to 45 cms, above ground and where the storage is for more than 3 months, a coat of cement wash shall be given to the bars and nothing extra shall be paid towards cost of application of cement wash.
37. Some restrictions may be imposed by the State Government on quarrying of sand, stones etc. from certain areas. For timely completion of work the contractor shall have to bring such materials from other quarries located elsewhere.
38. The contractor shall give five years guarantee in the prescribed proforma for water proofing items specified in the schedule of quantities. In addition to this 10% of the cost of executed items shall be retained either in cash / fixed deposit or in the form of Bank Guarantee which shall be released after the expiry of 10 years from the date of completion if no defects are found in water proofing or the defects are made good. This amount shall be adjusted against the expenses incurred on making good the defects if the contractor commits breach of guarantee.
39. In case of any difference in the Hindi version and English version in any of the condition of contract, English version shall prevail.
40. It is the responsibility of the contractor to obtain necessary no objection certificate, wherever required for approval of drawings, water supply, sanitary connection, electricity connection completion certificate, occupation certificate, clearance from fire protection department etc. from Central Govt. / State Govt. / Development Authority / Municipal corporation / Zilla Parishat / Local Bodies / Village Panchayat any other organization as the case maybe.
41. Nothing extra shall be paid to the contractor to such sanctions / approval / Clearance from the above Bodies. However, necessary requisition and letters required in this regard shall be given by the Department. The required fees and other statutory deposits as may be prescribed by the above bodies shall be borne by the Department.
42. To facilitate gas connection, holes (if required by the Engineer – in – charge) including suitable rubber gasket to be provided in the kitchen platform for RCC slab / granite / Cuddappah slab etc., Nothing extra will be paid on the account and rates quoted for relevant items are inclusive of making such provision.

43. Concrete mixers to be used on the work shall have arrangement for weighing water and controlling water cement ratio.
44. If the weight of reinforcement and structural steel provided in the work differs from standard tables the following procedure shall be followed for arriving the quantity.
 - a) If the actual weight is more than standard weight only standard weight shall be considered for payment.
 - b) If the actual weight is less than standard weight but within the permissible variation only actual weight shall be considered for payment.
45. Contractor shall be responsible for the watch and ward of the materials lying at site/building in all respect till the handing over of building.
46. Materials required for day-to-day maintenance shall be issued as and when required by the Junior Engineer in-charge of work.

47. INDEMNITY:-

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipment's and ancillary equipment under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

SPECIAL CONDITION FOR CEMENT

- a. The Contractor shall procure 43 grade Ordinary Portland cement (conforming to IS : 8112) or Portland slag cement (conforming to IS : 455) or Portland Pozzolana Cement (PPC) (Fly ash based) – conforming to IS : 1489 (Part-I) as required in the work, from reputed manufactures of cement such as ACC, Ultratech, Ambuja and J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum as approved by ADG for that sub region.
- b. The bidders may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the contractor proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturer, given by the bidder, fully or partially.
- c. Supply of cement shall be taken in 50 Kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer- in-charge and got issue in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the Contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the Contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
- d. If Portland Pozzolana cement or Portland slag cement is used, suitable modification in de-shuttering time etc. shall be done if need be as per specifications and standards and as directed by Engineer – in – charge and nothing extra shall be payable on this account.
- e. No extra payment / deduction shall be made from the payment to the contractor for using any of the above type of cement.
- f. The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer - in - charge.
- g. For each grade / type, cement bags shall be stored in two separate godowns, one for tested cement and the other for fresh cement (under testing) constructed by the contractor at site of work as per sketch shown in General conditions of contract for CPWD works 2023 with weather proof roofs and walls, for which no extra payment shall be made. The size of the cement godown is indicated in the sketch for guidance only.

SECTION 1**SPECIAL CONDITIONS FOR CIVIL WORKS**

- 1.1 The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc. constraints put by local regulations, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their bids. The site is available for work.. The contractor shall carry out survey of the work area, at his own cost, setting out the layout and fixing of alignment of the building as per architectural and Structural drawings in consultation with the Engineer-in-Charge and proceed further ensuring full structural continuity and integrated and monolithic construction. Any discrepancy between the architectural drawings and actual layout at site shall be brought to the notice of the Engineer-in-charge.
- 1.2 The Contractor shall, if required by him, before submission of the bid, inspect the drawings in the Office of the [Executive Engineer and Senior Manager \(C\)-II, Karaikal Project Division-II, CPWD, Karaikal - 609602.](#) The Department shall not bear any responsibility for the lack of knowledge and also the consequences, thereof to the Contractor. The information and data shown in the drawings and mentioned in the bid documents have been furnished, in good faith, for general information and guidance only. The Engineer-in-Charge, in no case, shall be held responsible for the accuracy thereof and/or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor. No claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in bid document is different or in-correct otherwise or actual working drawings are at variance with the drawings available for inspection or attached to the bid document. It is presumed that the Contractor shall satisfy himself for all possible contingencies, incidental charges, wastages, bottlenecks etc. likely during execution of work and acts of coordination, which may be required between different agencies. Nothing extra shall be payable on this account.
- 1.3 The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and/or described in the specifications, provided that the same can be reasonably inferred therefrom may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respects. All these incidental works / costs which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted by the contractor as percentage rate for various items in the schedule of quantities. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.

- 1.4 The contractor(s) shall give to the local body, police and other authorities all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain lights either for illumination or for cautioning the public at night.
- 1.5 The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night. In case of any accident of labours / contractual staffs the entire responsibility will rest on the part of the contractor and any compensation under such circumstances, if becomes payable, shall be entirely borne by the contractor.
- 1.6 The work shall generally be carried out in accordance with the "CPWD Specifications 2019 Vol. I & II" with correction slips issued up to the last date of submission of bids, additional/Particular Specifications, Architectural /Structural drawings and as per instructions of Engineer-in-Charge. Any additional item of the work, if taken up subsequently, shall also confirm to the relevant CPWD specifications as mentioned above. Working (both Architect and structural) drawings will be released progressively to the contractor commensurate to the construction schedule approved by Engineer-in-charge.
- 1.7 The several documents forming the bid are to be taken as mutually complementary to one another. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scale dimensions.
- 1.8 The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works. The works to be undertaken by the contractor shall inter-alia include the following:
 - (a) Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable
 - (b) Obtaining of Statutory permissions wherever applicable and required
 - (c) Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
- 1.9 **Warranty obligation for the equipment's and / or fittings / fixtures supplied by the contractor:** Contractor shall provide all the shop drawings or layout drawings for all the coordinated services before starting any work or placing any order of any of the services etc. These shop drawings/layout drawings shall be got approved from Engineer-in-charge before implementation and this shall be binding on the contractor. The contractor shall submit material submittals along with material sample for approval of Engineer-in-Charge prior to delivery of material at site.
- 1.10 The work shall be carried out in accordance with the approved architectural drawings, structural drawings, service drawings to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work the contractor shall correlate all the relevant architectural and structural drawings, nomenclature of items and specifications etc. issued for the work and satisfy himself that the information available from there is complete and unambiguous. The figure and

written dimension of the drawings shall be superseding the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim whatsoever shall be entertained by the department on this account.

The delay caused on account of non-timely action by the contractor in resolution of the differences whatsoever shall not be considered as valid ground for extension of time unless otherwise accepted by Engineer in charge.

- 1.11 Unless otherwise provided in the Schedule of quantities, the rates bided by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centering, shuttering, however, if required to be done for floor heights greater than 3.5m shall be admissible at rates arrived in accordance with clause 12 of the agreement if not already specified.
- 1.12 The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at suitable place. No stacking of materials or excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan. However, if any change is required, the same shall be done with the approval of Engineer-in-Charge.
- 1.13 The Contractor shall bear all incidental charges for cartage, storage and safe custody of materials, if any, issued by department as well as to those materials also arranged by the contractor.
Wherever the BOQ item stipulates design, the contractor shall have to supply designs and shop drawings which shall have to be vetted by CPWD or any other Institute of repute as approved by Engineer-in-Charge, and all costs towards the same, including charges for vetting shall be deemed to have been included in the quoted rates.
- 1.14 The contractor shall give performance test of the entire installation(s) as per the specifications in the presence of the Engineer-in-charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the contractor for such test.
- 1.16 The contractor shall make his own arrangements for water and for obtaining electric connections if required and make necessary payments directly to the State Govt. departments concerned. Contractor shall get the water tested from laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2019. All expenses towards collection of samples, packing, transportation etc. shall be borne by the contractor.
- 1.18 **PREVENTION OF NUISANCE AND POLUTION CONTROL**
The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties from pollutants like smoke, dust, noise. The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/near vicinity.

The contractor shall make good at his cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer-in-Charge.

- 1.19 Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the nearby occupants/users of building(s), if any.
- 1.20 **SECURITY AND TRAFFIC ARRANGEMENTS**
In the event of any restrictions being imposed by the Security agency of Client Department / CPWD/ Coimbatore Traffic or any other local authority having jurisdiction in the area on the working or movement of labour /material, the contractor shall strictly follow such restrictions and nothing extra shall be payable to the contractor on such accounts. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.
- 1.21 The contractor is required to make his own arrangements to provide huts for labourers as is acceptable to local bodies and nothing extra shall be paid on this account. He shall make his own arrangements for stores, field office etc. Before bidding, he shall visit the site and assess the manner in which he is able to arrange the above facilities. The Engineer-in-Charge shall in no way be responsible for any delay on this account and no claim, whatsoever, on this account shall be entertained.
- 1.22 No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the govt. property and the work for which payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The contractor shall be fully responsible for safety and security of his material, T&P/Machinery brought to the site by him.
- 1.23 The contractor shall construct suitable godowns, yard at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.
- 1.24 All materials obtained from contractor shall be got checked by the representative of Engineer-in-Charge on receipt of the same at site before use.
- 1.25 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingles sand and bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the State Government concerned or Central Government.
- 1.26 The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures including all equipment's, services provided by him against pilferage and breakage during the period of Installations and thereafter till the building is physically handed over to **the Client Department**. No extra payment shall be made on this account and no claim shall be admissible on this account.

- 1.27 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / TN State Govt. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities. The extra sewerage charges (one time charges for commencement of work) required to be paid to the Municipal Corporation/ other statutory bodies shall be paid by the department and need not be considered by the contractor. All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. The clause 31A of the General conditions of contract for CPWD Construction works - 2020 is not applicable to the bid. The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work.

He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Department.

- 1.28 The Contractor shall make all necessary arrangements for protecting works already executed from rains, fog or likewise extreme weather conditions and for carrying out further work, during monsoon including providing and fixing temporary shelters, protections etc. Nothing extra shall be payable on this account and also no claims for hindrance shall be entertained on this account.
- 1.30 In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially or otherwise shall be entertained notwithstanding any other provisions elsewhere in the contract agreement. Also, the Contractor shall make good, at his own cost, the damages caused, if any. Further, no claims for hindrance shall be entertained on this account.
- 1.31 The contractor will take reasonable precautions to prevent his workman and employees from removing and damaging any flora (plant/vegetation) from the project area.
- 1.32 **SETTING OUT**
- (i) The Contractor shall carry out survey of the work area, at his own cost, setting out the layout of building in consultation with the Engineer –in-Charge & proceed further. Any discrepancy between architectural drawings and actual layout at site shall be brought to the notice of the Engineer –in-charge.

It shall be responsibility of the Contractor to ensure correct setting out of alignment. Total station survey instruments only shall be used for layout, fixing boundaries, and Centre lines, etc., Nothing extra shall be payable on this account.

- (ii) The Contractor shall establish, maintain and assume responsibility for grades, lines, levels and benchmarks. He shall report any errors or inconsistencies regarding grades, lines, levels, dimensions, etc. to the Engineer-in-Charge before commencing work. Commencement of work shall be regarded as the Contractor's acceptance of such grades, lines, levels, and dimensions and no claim shall be entertained at a later date for any errors found.
 - (iii) If at any time, any error appears due to grades, lines, levels and benchmarks during the progress of the work, the Contractor shall, at his own expense rectify such error, if so required, to the satisfaction of the Engineer –in-Charge. Nothing extra shall be payable on this account.
 - (iv) Though the site levels are indicated in the drawings the Contractor shall ascertain and confirm the site levels with respect to benchmark from the concerned authorities. The Contractor shall protect and maintain temporary/ permanent benchmarks at the site of work throughout the execution of work. These benchmarks shall be got checked by the Engineer-in-Charge or his authorized representatives. The work at different stages shall be checked with reference to bench marks maintained for the said purpose. Nothing extra shall be payable on this account.
 - (v) The approval by the Engineer-in-Charge, of the setting out by the Contractor, shall not relieve the Contractor of any of his responsibilities and obligation to rectify the errors/ defects, if any, which may be found at any stage during the progress of the work or after the completion of the work.
 - (vi) The Contractor shall be entirely and exclusively responsible for the horizontal, vertical and other alignments, the level and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the Contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
 - (vii) The percentage (rates) quoted by the Contractor are deemed to be inclusive of site clearance, setting out work (including marking of reference points, center lines of buildings), construction and maintenance of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, labour welfare and labour training measures, preparatory works, working during monsoon, working at all depths, height and location etc. and any other incidental works required to complete this work. Nothing extra shall be payable on this account.
- 1.33 The rate offered is inclusive of providing sunken flooring in bathrooms, kitchen etc. and nothing extra on this account is admissible.
- 1.34 A site laboratory with the minimum equipment's as specified in CPWD specifications/in this agreement shall be established, made functional and maintained within one month from the award of work without any extra cost to the department.

In case of non-compliance / delay in compliance in this, **a recovery @ Rs. 1000/- per day will be imposed which will be recovered from the immediate next R/A Bill of the Contractor.**

The agency should make temporary arrangement for sewage disposal, water supply and electricity for completed building to make them to functional in case permanent arrangements are not ready.

1.35 INTEGRATED SERVICE DRAWINGS

Before taking up the work, the contractor shall be provided with integrated drawings for various civil and electrical services showing details of lay out plan including sectional elevations and contractor shall plan and mobilize his resources as per the Integrated drawings and as per the site conditions to facilitate convenient execution, installation as well as maintenance of these services. Nothing extra shall be payable on this account.

1.36 TOOLS AND PLANTS

The contractor should have own constructions equipment required for the proper and timely execution of the work. Nothing extra shall be paid on this account. No tools and plants including any special T&P etc. shall be supplied by the Department and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

All the factory-made furniture will have be made in an approved factory. The Engineer in Charge or his authorized representative will be visiting the factory and collecting samples for testing. The contractor should ensure that the factory workers dealing with the work should be capable of identifying the approved material to be used in the project and no non approved material gets into for manufacturing.

1.37 SCAFFOLDING

Wherever required for the execution of work, all the scaffolding shall be provided and suitably fixed, by the Contractor. It shall be provided strictly with steel double scaffolding system, suitably braced for stability, with all the accessories, gangways, etc. with adjustable suitable working platforms to access the areas with ease for working and inspection. Single scaffolding system is strictly prohibited and shall invite necessary action. It shall be designed to take all incidental loads. It should cater to the safety features for workmen. Nothing extra shall be payable on this account. It shall be ensured that no damage is caused to any structure due to the scaffolding.

1.38 The Contractor shall do proper sequencing of the various activities by suitably staggering the activities within various pockets in the plot so as to achieve early completion. The agency to deploy adequate equipment, machinery and labour as required for the completion of the entire work within the stipulated period specified. Also ancillary facilities shall be provided by contractor commensurate with requirement to complete the entire work within the stipulated period. Nothing extra shall be payable on this account. Adequate number/sets of equipment in working condition, along with adequate stand-by arrangements, shall be deployed during entire construction period.

It shall be ensured by the Contractor that all the equipment, Tools & Plants, machineries etc. provided by him are maintained in proper working conditions at all times during the progress of the work and till the completion of the work.

Further, all the constructional tools, plants, equipment and machineries provided by the Contractor, on site of work or his workshop for this work, shall be exclusively intended for use in the construction of this work and they shall not be shifted/ removed from site without the permission of the Engineer-in-Charge.

- 1.39 The Contractor shall maintain all the work in good condition till the completion of entire work. The Contractor shall be responsible for and shall make good, all damages and repairs, rendered necessary due to fire, rain, traffic, floods or any other causes. The Engineer-in-Charge shall not be responsible for any claims for injuries to person/workmen or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the Contractor or of any other of his representatives, in his employment during the execution of the work. The compensation, if any, shall be paid directly to the Department / authority / persons concerned, by the Contractor at his own cost.

1.40 **ROYALTY**

Royalty at the prevalent rates shall be paid by the Contractor or the RMC supplier as per the terms of supply between them, on all materials such as boulders, metals, all sizes stone aggregates, brick aggregates, coarse and fine sand, moorum, river sand, gravels and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned. Further, contractor needs to submit proof of submission of full royalty to the state government or local authority. Nothing extra shall be payable on this account.

1.41 **PRESERVATION AND CONSERVATION MEASURES**

- (i) Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services, if any, encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. In case the same are to be removed and diverted, expenditure incurred in doing so shall be payable to the contractor. The contractor shall work out the cost, get the same approved by Engineer-in-Charge before taking up actual execution. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
- (ii) All fossils, coins, articles of value of antiquity, structures and other remains or things of geological or archaeological interest discovered on project location during excavation/construction shall be the property of the Government, and shall be dealt with as per provisions of the relevant legislation. The contractor will take reasonable precaution to prevent his workmen or any other persons from removing and damaging any such article or thing. He will, immediately upon discovery thereof and before removal acquaint the Engineer-in-charge of such discovery and carry out the official instructions of Engineer-in- charge for dealing with the same, till then all work shall be carried out in a way so as not to disturb/damage such article or thing.

1.42 **RESPONSIBILITY**

- (i) The contractor shall protect and indemnify the CPWD and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts.

- (ii) The fee payable to statutory authorities for obtaining the various permanent service connections and Building Use Certificate for the building shall be borne by the CPWD.
- (iii) The Contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the CPWD from any and all damages and claims that may arise on any account. The Contractor shall indemnify the Department CPWD against all claims in respect of patent rights, royalties, design, trademarks- of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the Department in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.

Any material dumped or stored within the working area or any associated area shall be removed, shifted, or relocated by the contractor, as required, without any additional cost . No hindrance, extension of time, or claim for extra payment on account of such shifting shall be entertained. The contractor shall also be solely responsible for the prevention of damage to the materials during shifting, handling, storage, and re-stacking. Any loss or damage shall be made good by the contractor at their own cost.

1.44 **SUPERVISION OF WORK**

The Contractor shall depute Site Engineer & skilled workers as required for the work. He shall submit organization chart along with details of Engineers and supervisory staff. It shall be ensured that all decision making powers shall be available to the representatives of the Contractor at work site itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better-experienced staff at site as mentioned in the bid document to complete the work with quality and within stipulated time limit.

1.46 **RATES(S) OFFERED**

The rate(s) offered by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours,

working at all depths, height, lead, lift, levels and location, etc and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.

The rate(s) offered by the bidder, shall be firm and inclusive of all taxes and levies (including works contract tax and construction labour welfare cess but excluding service tax).No foreign exchange shall be made available by the

Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.

Ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in-Charge), shall be deemed to be included in rates quoted by the Contractor. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.

For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, notwithstanding the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them. All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted by the department and thus not paid for.

1.47 **SAFETY MEASURES**

- (i) **WARNING/ CAUTION BOARDS:** All temporary warning / caution boards / glow signage display such as “Construction Work in Progress”, “Keep Away”, “No Parking”, Diversions & protective Barricades etc. shall be provided and displayed during day time by the Contractor, wherever required and as directed by the Engineer-in-Charge. These glow signage and red lights shall be suitably illuminated during night also. The Contractor shall be solely responsible for damage and accident caused, if any, due to negligence on his part. Also he shall ensure that no hindrance, as far as possible, is caused to general traffic during execution of the work. This signage shall be dismantled & taken away by the Contractor after the completion of work, only after approval of the Engineer – in – Charge. Nothing extra shall be payable on this account.
- (ii) **SIGN BOARDS:** The Contractor shall provide and erect a display board of size and shape as required and paint over it, in a legible and workman like manner, the details about the salient features of the project, as required by the Engineer-in-Charge. The Contractor shall fabricate and put up a sign board in an approved location and to an approved design indicating name of the project, Client/Owner, Engineer-in-charges, Structural Consultants, Department etc. besides providing space for names of other Contractors, Sub-Contractors and specialized agencies within 15 days from issue of award letter. Nothing extra shall be payable on this account. In case of non-compliance/delay in compliance in this,

a recovery @ Rs. 500/- per day will be imposed which will be made from the immediate next R/A Bill of the Contractor.
- (iii) **Necessary protective and safety equipment's such as helmet, safety shoes, gloves etc shall be provided to the Site Engineers, Supervisory staffs, labours, technical staffs of the contractor and also to the Departmental officials supervising / inspecting the works by the Contractor at his own cost and to be used at site. Nothing extra will be paid on this Account.**
- (iv) **Nylon net (50x50mm aperture and 4mm dia) at site shall be fixed to hooks etc., along periphery of building at various levels required and as directed by Engineer-in-charge for safety of the work staffs for which nothing extra will be paid on this Account.**
- (v) No inflammable materials including P.O.L shall be allowed to be stored in huge quantity at site. Only limited quantity of P.O.L may be allowed to be stored at site subject to the compliance of all rules / instructions issued by the relevant authorities and as per the direction of Engineer –in- Charge in this regard. Also all precautions and safety measures shall be taken by the Contractor for safe handling of the P.O.L products stored at site. All consequences on account of unsafe handling of P.O.L shall be borne by the Contractor.

1.48 **QUALITY ASSURANCE**

The proposed work is a prestigious campus development project and quality of work is of paramount importance. Contractor shall have to engage well-experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like

specialized flooring work, silicon sealant and backer rod fixing in expansion joints, factory made door- window shutters, proper slope maintaining in toilet units, - water supply installation, water proofing treatment, will specially require engagement of skilled workers having experience particularly in execution of such items.

The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

The contractor has to establish field laboratory at site including all necessary equipment for field tests as given in Schedule 'F'. All the relevant and applicable standards and specifications shall be made available by the contractor at his cost in the field laboratory. The contractor shall designate one of his technical representatives as Quality Assurance Engineer, who shall be responsible for carrying out all mandatory field/laboratory tests. The contractor shall also provide adequate supporting staff at his cost for carrying out field tests, packaging and forwarding of samples for outside laboratory tests and for maintaining test records. The tests, as necessary and where no field laboratory facilities are available, shall be conducted in the laboratory approved by the Engineer-in- Charge. For materials for which field testing equipment is established at site, for those materials 90% of total tests shall be done at the laboratory established at site by contractor and remaining 10% in the reputed laboratories approved by Engineer-in-charge. The samples shall be taken for carrying out all or any of the tests stipulated in the particular specifications and as directed by the Engineer-in-Charge or his authorized representative.

All the registers of tests carried out at Construction Site or in outside laboratories and all material at site (MAS) registers including cement register shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge. All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by JE/AE/AEE/EE. Contractor shall be responsible for safe custody of all the registers.

The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities including material and labour, the Engineer-in-Charge may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the Engineer-in-Charge, at such time and to such places, as directed by the Engineer-in-Charge. Nothing extra shall be payable for the above.

The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor. The Contractor or his authorized representative shall remain in contact with the Engineer-in-Charge or his authorized representative associated for all such operations. No

claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor. **All the testing charges shall be borne by the contractor.**

All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering and their measurements in computerized measurement book duly test checked shall be deposited with Engineer in charge or his authorized representative, prior to hiding these items.

Water tanks, taps, water supply and drainage pipes, fittings and accessories should confirm to bylaws and municipal body / corporation where CPWD Specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/Corporation authorities wherever required at his own cost.

The contractor shall give performance test of the entire installation(s) as per the standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.

The contractor shall have to execute guarantee bonds in respect of water proofing works as per Performa enclosed.

The Contractor shall arrange electricity at his own cost for testing of the various electrical installations as directed by Engineer-in-Charge and for the consumption by the contractor for executing the work. Also all the water required for testing various electrical installations, fire pumps, wet riser / fire fighting equipment's, fire sprinklers etc. and also testing water supply, and drainage lines, water proofing of underground sump, overhead tanks, water proofing treatment etc. shall be arranged by the contractor at his own cost. Nothing extra shall be payable on this account.

1.49 **SUBMISSION AND DOCUMENTATION**

- (i) The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office. He should also keep at site at least one set of BIS Codes and other relevant codes at site and produce the same if asked for by Engineer-In-Charge. In case of non-compliance, these codes will be purchased from the Market and actual cost of purchase will be recovered from the next RA Bill of the Contractor.
- (ii) The Contractor shall make available four (04) sets of completed Building Drawings, "As Built Drawings within 30 days from actual date of completion" along with literatures, manuals, warranty certificates etc. of various installed fittings, fixtures and equipment for the completed projects. This shall be the prerequisite for payment of final bill.
- (iii) The Contractor shall make available three (03) sets of all drawings of internal and external services i.e. Water Supply line and Drainage lines. This shall be the prerequisite for payment of final bill. These drawings shall have the following information:
 - (a) Run off for all piping and their diameters including soil, waste pipes and vertical stacks

- (b) Ground and invert level of all drainage pipes together with locations of all manholes and connections, up to outfall
- (c) Run off for all water supply lines with diameters location of control valves, access panels, etc.
- (iv) The contractor shall make available four (04) sets of computerized Standard Measurement Books (SMBs) having measurement of all the permanent standing in a building.
- (v) The Performance Guarantee shall not be released to the contractor until the aforesaid drawings are submitted to the Engineer-in-Charge
- (vi) The contractor will submit computerized measurement sheet for the work carried out by him for making payment as per Clause – 6A of the **CPWD General Conditions of Contract 2023 for Construction work with amendments up to the last date of submission of bids.** For casting of RCC members and other hidden items the corrected and duly test checked measurement sheets of reinforcement or that of other hidden items shall be deposited with Engineer in charge or his authorized representative, before casting of RCC or other hidden items. The delay in submission of corrected and duly checked measurement sheet may, therefore, delay casting of RCC or execution of hidden item for which no hindrance shall be recorded.
- (vii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

1.50 **TEMPORARY WATER / ELECTRICITY / TELEPHONE CONNECTION**

Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall adhere by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules/byelaws in this regard. Nothing extra shall be payable on this account.

The Contractor shall be responsible for maintenance and watch and ward of the complete installation and water / electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Department against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Nothing extra shall be payable on this account.

The Department shall in no way be responsible for either any delay in getting electric and/or water and/or telephone connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the Contractor. Also contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

1.51 CLEANLINESS OF SITE

- (i) The Contractor shall not stack building material / malba / muck on the land or road of the local development authority or on the land owned by the others, as the case may be. So the muck, rubbish etc. shall be removed periodically as directed by the Engineer-in-Charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In case, the Contractor is found stacking the building material/malba as stated above, the Contractor shall be liable to pay the stacking charges/penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer-in-Charge shall be at liberty to recover, such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor including amount of the Security Deposit and performance guarantee in respect of this contract agreement.
- (ii) The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.
- (iii) The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent plots. The Contractor shall take all care to prevent any water- logging at site. The waste water, slush etc. shall not be allowed to be collected at site. It may be directly pumped into the creek with prior approval of the concerned authorities. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

1.51(a) WASTE MANAGEMENT RULES-2016

The Contractor shall remove all construction and demolition waste and clean the area every day, if possible, or depending upon the duration of the work the quantity and type of waste generated, appropriate storage and conditions, a reasonable time frame shall be worked out in consultation with the concerned local authority.

1.52 FINAL TESTING OF THE INSTALLATION

The Contractor shall demonstrate trouble free functioning of all the Civil and E & M installations and services. The Engineer-in-Charge or his authorized representatives shall carry out final inspection of the various Civil and E & M services and installations. Any defect(s) noticed during demonstration shall be rectified by the Contractor at his own cost to the entire satisfaction of the Engineer-in-Charge. Nothing extra shall be payable on this account.

1.53 SUBMISSION OF AS BUILT DRAWINGS AND OBTAINING OCCUPATION CERTIFICATE

The contractor shall coordinate and facilitate consultant for obtaining occupation certificate / completion certificate from local bodies including getting the required site visits conducted by such authorities with a view to obtain the same.

1.54 DEFECT LIABILITY PERIOD (REFUND OF SECURITY DEPOSIT)

The defect liability / maintenance period shall be 12 months after the date of completion of work for this contract agreement. The Security Deposit shall be released after the defect liability period of 12 months after completion of entire project works and for this the contractor shall have produce a certificate stating that no defects are pending for rectification from the head of CPWD, but subject to other provisions specified elsewhere in the contract agreement.

1.55 GENERAL CLARIFICATIONS

- (i) Wherever any reference to any Indian Standards occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of receipt of bids.
- (ii) Unless otherwise specified in the schedule of quantities, the rates for all items of work shall be considered, as inclusive of pumping out or bailing out water, if required throughout the construction period for which no extra payment shall be made. This shall also include water encountered from any source such as rains, floods, sub soil water table being high and/or due to any other cause whatsoever.
- (iii) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries. Coarse sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The coarse sand shall be screened before using, if required. If the sand brought to site is dirty, it must be washed in clean water to bring the sand to the required specifications. Nothing extra shall be payable on this account.
- (iv) The rates for all items of work, shall unless clearly specified otherwise, include cost of all operations and all inputs of labour, material, T & P, scaffolding, wastages, watch and ward, other inputs, all incidental charges, taxes, cess, GST, duties, levies, etc. required for execution of work.

1.56 INSURANCE POLICIES

Before commencing the execution of work, the Contractor shall, without in any way limiting his obligations and liabilities, insure at his own cost and expense against any damage or loss or injury, which may be caused to any person or property, at site of work. The Contractor shall obtain and submit to the Engineer-in-Charge proper Contractor All Risk Insurance Policy for an amount equivalent to contract value for this work, with Engineer-in-Charge as the first beneficiary.

The insurance shall be obtained in joint names of Engineer-in-Charge and the Contractor (who shall be second beneficiary). Also, he shall indemnify the Department from any liability during the execution of the work. Further, he shall obtain and submit to the Engineer-in-Charge, a third-party insurance policy for maximum Rs.10 lakh for each accident, with the Engineer-in-Charge as the first beneficiary.

The insurance shall be obtained in joint names of Engineer-in-Charge and the Contractor (who shall be second beneficiary). The Contractor shall, from time to time, provide documentary evidence as regards payment of premium for all the Insurance Policies for keeping them valid till the completion of the work. The Contractor shall ensure that Insurance Policies are also taken for the workers of his Sub-Contractors / specialized agencies also. Without prejudice to any of its obligations and responsibilities specified above, the Contractor shall within 10 days from the date of letter of acceptance of the bid and thereafter at the end of each quarter submit a report to the Department giving details of the Insurance Policies along with Certificate of these insurance policies being valid, along with documentary evidences as required by the Engineer-in-Charge. No work shall be commenced by the Contractor unless he obtains the Insurance Policies as mentioned above. Also, no payment shall be made to the Contractor on expiry of insurance policies unless renewed by the Contractor. Nothing extra shall be payable on this account. No claim of hindrance (or any other claim) shall be entertained from the contractor on these accounts.

1.57 TRAINING OF THE PERSONNEL

The contractor shall arrange at no extra cost to the Department to train two persons from the department (CPWD), one each for civil and electrical works, on how to operate and carryout preventive maintenance of the systems (both civil and electrical) . The contractor shall arrange this training from well qualified and experience personnel for at least seven days

1.58 Compliance on Construction and Waste Management Rules-2016

The contractor shall comply the Construction & Demolition Waste Management Rules-2016 notified by the Ministry of Environment and Forest, Government of India (web address: www.moef.gov.in) regarding the disposal of waste. Nothing extra shall be payable on this account.

SECTION 2

PARTICULAR SPECIFICATIONS FOR COMPONENT (CIVIL)

- 2.1.1 The work shall in general be carried out in accordance with CPWD specifications for the Works 2019 Vol.I& II with up to date corrections slips.
- 2.1.2 However, if the said specifications differ from those detailed in the description of any particular item in the schedule of quantities and specifications finally accepted by the Department, the later shall prevail.
- 2.1.3 Similarly, if the said specifications differ from the particular specifications given hereunder, the particular specifications given hereunder shall prevail.
- 2.1.4 If the detailed description of any particular item in the schedule of quantities and specifications finally accepted by the department differs from the particular specifications given hereunder, the former shall prevail to the extent applicable.
- 2.1.5 If the particular specifications given here under differ from IS Code provisions in any respect, the former shall prevail.
- 2.1.6 The Contractor may be allowed to use Crushed Stone Sand (CS-Sand) in lieu of River sand in the event of scarcity in local market, subject to the following:
 - (i) The Crushed Stone Sand shall (CS-Sand) conform to IS- IS 383:2016 for concrete & masonry and IS 1542 2016 for plastering, the sample shall be got approved by the Engineer-in-Charge before making bulk supply for each source.
 - (ii) The cost adjustment on minus side shall be effected for use of CS-Sand in place of river sand.
 - (iii) The tender provides only for river sand and no extra shall be payable on account of usage of CS-Sand.

2.2.1 **CONDITIONS FOR WATER**

The contractor shall make his own arrangement for providing water for construction and drinking purpose. Water charges shall not be recovered on account of it. Contractor shall get the water tested from any laboratory approved by the Engineer-in-charge at regular interval as per the CPWD specifications 2019. All expenses towards collection of samples, packing transportation except testing charges etc. shall be borne by the contractor.

2.4 **FINISHING**

- 2.4.1 The work shall be carried out as per CPWD specifications.
The Primer, Synthetic Enamel paint, distemper etc., of makes as approved by the Engineer in charge and of low VOC, shall only be used and brought to the site of, work in the original sealed containers. The material brought to the site of work shall be sufficient for at least 60 days of work. The material shall be kept under the joint custody of

contractor and representative of the Engineer-in-Charge. The empty containers shall not be removed from the site till the completion of the work without permission of the Engineer-in-Charge.

- a. The actual size of godown shall be as per site requirements and as per the direction of the Engineer in charge and nothing extra shall be paid for the same. The decision of the Engineer-in-charge regarding the capacity required/needed will be final. However, the capacity of each godown shall not be less than 100 tonnes. Each godown shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-charge or his authorized representative and that of other lock with the contractor at the site of work so that the cement is issued from godown according to the daily requirement with the knowledge of both the parties. The account of daily receipt and issue of cement shall be maintained in a register in the prescribed Proforma and signed daily by the contractor or his authorized agent in token of its correctness.
- b. The cement shall be got tested by Engineer –in –Charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. All expenditure to be incurred for testing of samples eg. packaging, sealing, transportation, loading, unloading etc. including testing charges shall be borne by the contractor.
- c. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained separately for each type of cement, as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 38 of the contract and shall be governed by conditions laid therein. However, for consumption lesser beyond permissible theoretical variation recovery shall be made in accordance with conditions of contract at Schedule A to F (CPWD-7), without prejudice to action for acceptance of work/item at reduced rate or rejection as the case may be. In case of excess consumption no adjustment shall be made.
- d. 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.

Special Conditions – Polycarbonate Roofing

1. Scope of Work

The work shall include the complete design, supply, fabrication, transportation, erection and fixing of polycarbonate roofing system, including all necessary supporting members, purlins, cleats, brackets, flashings, ridge/edge profiles, closures, fasteners, sealants, accessories and other incidental items required for a complete weather-tight installation.

2. Type and Thickness of Sheet

Polycarbonate sheets shall be UV-protected, weather-resistant and suitable for external roofing applications, of the thickness and profile specified in the BOQ/drawing.

3. Material Approval

Before procurement, the contractor shall submit samples, manufacturer's technical data sheets, colour/shade, thickness, profile, physical properties, fire classification, light transmission and warranty certificate for approval of the Engineer-in-Charge. **No material shall be procured or installed without prior approval.**

4. Wind Load and Fixing

The roofing system, including sheets, purlins, cleats, brackets and fasteners, shall be adequately designed against wind uplift and suction. Fixing shall be carried out strictly in accordance with the manufacturer's recommendations and approved shop drawings.

5. Thermal Movement

Adequate provision shall be made for thermal expansion and contraction of polycarbonate sheets. Holes in sheets, where required, shall be suitably oversized and drilled using appropriate tools. The fixing arrangement shall not restrain the natural thermal movement of the sheets.

6. Fasteners

All exposed fasteners shall be corrosion-resistant stainless-steel fasteners, preferably SS 304 or better, with suitable EPDM/neoprene washers and compatible caps where required. Ordinary carbon-steel screws shall not be used for exposed fixing.

7. Sealing and Waterproofing

All joints, laps, penetrations, abutments and interfaces with walls/steel members shall be properly sealed using UV-resistant, weatherproof and polycarbonate-compatible sealant. The sealant shall not cause cracking, staining or deterioration of the sheet.

8. Roof Slope

The roofing shall be provided with the minimum slope recommended by the manufacturer and as shown in the approved drawings. In no case shall water stagnate on the roofing surface.

9. Fire Performance

The polycarbonate sheets shall have the required fire performance/classification appropriate for the building and occupancy. The contractor shall submit the manufacturer's fire-test certificate/classification for approval.

10. Colour and Appearance

The colour, translucency and light transmission shall be as specified in the approved drawing/sample. Variation in shade, waviness, excessive scratches, cracks, bubbles, discolouration or other manufacturing defects shall be grounds for rejection.

11. Leakage Test

After completion, the entire roofing system shall be inspected and subjected to suitable water spray/rain simulation testing. Any leakage, seepage or defective joint noticed during testing shall be rectified by the contractor at his own cost.

<u>LIST OF APPROVED MATERIALS (CIVIL)</u>			
SL.NO.	MATERIAL DESCRIPTION	MATERIAL	
		BRAND	MAKE
1	Ordinary Portland Cement (43 Grade)	ACC	ACC CEMENTS LTD.
		ULTRA TECH	ULTRA TECH CEMENT LTD.
		COROMANDAL	INDIA CEMENTS LTD.
		BIRLA	BIRLA CORPORATION LTD.
		CHETTINADU	CHETTINADU CEMENTS CORPORATION LTD
		BHARATHI	BHARATHI CEMENT CORPORATION LTD.
		DALMIA	DALMIA CEMENT BHARAT LTD.
		ZUARI	ZUARI CEMENT LTD.
		JAYPAEE CEMENT	JAYPEE CEMENT LTD.
		MAHA CEMENT	MYHOME INDUSTRIES PVT. LTD
		J.K. CEMENT	J.K. CEMENT PVT. LTD
		AMBUJA CEMENT	AMBUJA CEMENTS LTD
		PENNA CEMENT	PENNA CEMENT INDUSTRIES LTD
		KONARK CEMENT	KONARK CEMENT
		CENTURY CEMENT	BIRLA GOLD CEMENT
		SHREE CEMENT	SHREE CEMENT
		RAMCO CEMENT	RAMCO CEMENTS LTD
		SAGAR CEMENT	SAGAR CEMENTS LTD.
		EMAMI CEMENT	EMAMI CEMENTS LTD
2	TMT Bars Fe-500 D	SAIL	STEEL AUTHORITY OF INDIA LTD.
		TISCO	TATA STEEL LTD.
		VIZAG	RASTRIYA ISPAT NIGAM LTD.
		JSW	JSW STEEL LTD.
		JINDAL	JINDAL STEEL & POWER LIMITED
		JINDAL PANTHER	M/S JINDAL STEEL AND POWER LIMITED
3	Ready Mix Concrete	ULTRATECH	ULTRATECH CONCRETE
		ACC	ACC LTD
		RMC(INDIA)	RMC (INDIA) PVT. LTD
		LAFARGE	LAFARGE INDIA PVT. LTD
4	Structural Steel	SAIL	SAIL
		TISCO	TATA STEEL
		VIZAG	RINL
		JSW	JSW
		APOLLO	APL APOLLO

5	M.S Pipe Tubes	SAIL	SAIL
		TISCO	TATA STEEL
		APOLLO	APL APPOLLO
		KALINGA	KALINGA TUBES
		JINDAL	JSW
		NEZONE	NEZONE TUBES LIMITED
6	Stainless steel	SALEM	SAIL
		CONNECT	CONNECT LTD
		ARK PRODUCT PVT.LTD	ARK PRODUCT PVT LTD.
		JINDAL	JSW
		SAIL	SAIL
		KINGSTON	KINGSTON BRASS
7	Stainless Steel bolts, washers, nuts	KUNDAN	KUNDAN INDUSTRIES LTD
		POOJA	POOJA STEEL CORPORATION
		ATUL	ATUL FASTNERS LTD
		HILTI	HILTI INDIA PVT LTD
8	Stainless steel pressure plate screws	KUNDAN	KUNDAN INDUSTRIES LTD
		POOJA	POOJA STEEL CORPORATION
		ATUL	ATUL FASTNERS LTD
9	Welding Rods	ADVANI	ADVANI OERLIKON LTD
		ESAB	ESAB INDIA PVT LTD.
10	Vitrified Tiles	AGL	ASIAN GRANITE INDIA LIMITED
		MARBITO	MARBITO TILES
		NITCO	NITCO LTD.
		RAK	RAK CERAMIC INDIA PVT LTD
		RESTILE	RESTILE CERAMIC LTD
		KAJARIA	KAJARIA CERAMIC LTD
		SOMANY	SOMANY CERAMIC LTD
		JHONSON	PRISM JOHNSON LTD
		VARMORA GRANITO	VARMORA GRANITO GRANITE PVT LTD
		NAVEEN	MURUDESHWAR CERAMICS LTD
		VIERO	APARNA TILES
		APARNA VITERO	APARNA ENTERPRISES LTD
		VITERO	M/S PRAYAG POLYMERS (P) LTD
11	Glazed Ceramic Tiles (also wall tiles)	AGL	ASIAN GRANITE INDIA LIMITED
		NITCO	NITCO LTD.
		RAK	RAK CERAMIC INDIA PVT LTD
		KAJARIA	KAJARIA CERAMIC LTD
		SOMANY	SOMANY CERAMIC LTD
		JHONSON	PRISM JOHNSON LTD

		VARMORA GRANITO	VARMORA GRANITO GRANITE PVT LTD
		NAVEEN	MURUDESHWAR CERAMICS LTD
		VITERO	M/S PRAYAG POLYMERS (P) LTD
12	Cement Concrete parking tiles	NITCO	NITCO LTD.
		PODDAR	PODDAR UDYOG
		EUROCON	EUROCON TILES INDIA
		DAZZLE	DAZZLE DESIGNER TILES PVT LTD.
		NTC	NTC PARKING TILES
		HINDUSTAN TILES	HINDUSTAN TILES, RANCHI, PUNE
		ULTRA	ULTRA TILE PRIVATE LTD
		ASTTRA TILES AND PAVERS	M/S ASTTRA TILES AND PAVERS COMAPANY
13	Synthetic Carpet Tiles	TOLI	TOLI Corporation
		HOLLITEX	HOLLITEX CARPET TILES
		STANDARD CARPETS	STANDARD CARPETS
14	UPVC Pipes and Fittings (Rain Water Pipes)	SUPREME	SUPREME INDUSTRIES LTD
		PRINCE	PRINCE PIPES AND FITTINGS LTD
		FINOLEX	FINOLEX INDUSTRIES LTD
		PREPOLY	PREMIER PVC INDUSTRY
		ASTRAL	ASTRAL POLYTECHNIK LTD
		ASHIRWAD	ASHIRWAD PVC PIPES
		FLOWGUARD	FLOWGUARD
		TRUFLOW	HSIL LTD OF HINDWARE
15	CPVC Pipes and Fittings	SUPREME	SUPREME INDUSTRIES LTD
		FINOLEX	FINOLEX INDUSTRIES LTD
		ASTRAL	ASTRAL POLYTECHNIK LTD
		PRINCE	PRINCE PIPES AND FITTINGS LTD
		TRUFLOW	HISL LTD OF HINDWARE
		BIRLA AEROCON	HIL LTD
		ASHIRWAD	ASHIRWAD PVC PIPES
		FLOWGUARD	FLOWGUARD
		D.E.C	D.E.C INDUSTRIES PRIVATE LTD
16	Plastic Encapsulated Foot Rest	KK India	KK Manhole and gratings Co Pvt Ltd.
		KGM	KGM Exports
		Accurate Buildcon	Accurate Buildcon company

17	Spun cast iron covers & gratings	Neco	Jayaswal Neco Ltd
		Jagannath	Sri Jagannath Iron Foundry Pvt. Ltd.
		Kapilansh Centrifugal	Kapilansh Dhatu Udyog(P)Ltd.
		SKF brand	SINGHALIRON FOUNDARY Pvt. Ltd.
18	Synthetic Enamel Paint	PREMIUM GLOSS ENAMEL	ASIAN PAINT LTD
		DULEX	ICI DULEX LTD
		NEROLAC	NEROLAC PAINTS LTD
		BERGER	BERGER PAINTS
		NIPPON	NIPPON PAINT INDIA LTD.
19	Pink Primer	WOOD PRIMER	ASIAN PAINT
		DULEX	ICI DULEX
		NEROLAC	NEROLAC KANSIA NEROLAC PAINTS LTD
		BERGER	BERGER PAINTS
		NIPPON	NIPPON
20	Red Oxide Zinc Chromate Primer	HIGH PERFORMANCE YELLOW METAL PRIMER	ASIAN PAINT
		DULEX	ICI DULEX
		NEROLAC	NEROLAC
		BERGER	BERGER PAINTS
		NIPPON	NIPPON
21	Oil Bound Distemper	TRACTOR AQALOCK	ASIAN PAINT
		DULUX (MAXILITE)	DULUX
		mG POLYPLAST	NEROLAC
		BERGER (BISM)	BERGER PAINTS
22	Acrylic Emulsion	PREMIUM EMULSION	ASIAN PAINT
		DULUX (SUPER COVER)	ICI DULUX
		NEROLOC (BEAUTY GOLD)	NEROLAC
		BERGER (BISM)	BERGER PAINTS
23	Water Proof Cement Paint	ASIAN EXTERIAL WALL PRIMER	ASIAN PAINT
		BERGER	BERGER PAINTS
		SURFA	SURFACOATS (INDIA) PVT. LTD
		ICI DULUX	ICI DULUX
		CEM COLOUR	SNOWCEM PAINTS
24	Acrylic Smooth Exterior paint	DULUX	ICI DULUX
		APEX	ASIAN PAINTS
		NEROLAC	NEROLAC

		BERGER	BERGER
		NIPPON	NIPPON
25	Premium Acrylic smooth exterior paint with silicon additives	ULTIMA	ASIAN PAINT
		DULUX	ICI DULUX
		NEROLAC	NEROLAC
		BERGER	BERGER
		SURFEX RAIN SHIELD	SURFACOATS
26	Cement Based Wall Putty	J.K. WALL PUTTY	J.K. CEMENTS LTD.
		BIRLA WALL CARE	BIRLA CEMENTS LTD.
		ASIAN PAINTS	ASIAN PAINTS LTD.
		ALTEK	NCL ALLTEK & SECCOLD LTD.
		BERGER	BERGER
		ARDEX ENDURA	ARDEX ENDURA INDIA PVT LTD.
27	Acrylic Textured Plaster	FERROUS CRETE	FERROUS CRETE (INDIA) PVT.LTD
		APEX DURACAST	ASIAN PAINTS
		SPECTRUM PAINTS	SPECTRUM PAINTS LTD.
		HERITAGE	HERITAGE RAJKAMAL GROUP
		ASIAN PAINTS	ASIAN PAINTS
28	Ready Mix Cement Plaster	NEROLOC	NEROLOC
		READI PLAST	ULTRATECH CEMENTS LTD
		GYPROC PLASTERS	SAINT GOBAIN GYPROC INDIA
		ULTRA TECH	ULTRA TECH CEMENT LTD.
29	Melamine Polish	FERROUS CRETE	FERROUS CRETE (INDIA) PVT.LTD
		ASIAN PAINTS	ASIAN PAINTS
		MELAMINE GOLD WUDFIN	PIDILITE INDUSTRIES
30	Fire Retardant Paint	POLYCURE	POLYCURE MALAYSIA
		JOTUN	JOTUN PAINTS
		HILTI	HILTI INDIA
		AKZONOBEL	DULEX AKZONOBEL PAINTS
		ASIAN PAINTS	ASIAN PAINTS
31	Anticorrosive bitumastic paint	STPL LTD	STPL LTD
		BERGER	BERGER PAINTS INDIA LTD.
		SHALIMAR	SHALIMAR PAINTS INDIA LTD.
32	Cement Primer	IS 158 BITUMINOUS BLACK	ASIAN PAINTS
		ASIAN PAINTS	ASIAN PAINTS
		JK PRIMAXX	JK CEMENT LTD
		BERGER	BERGER PAINTS INDIA LTD.

33	Epoxy Paint	ASIAN EPOXY	ASIAN PAINTS
		BERGER	BERGER PAINTS INDIA LTD.
		SHALIMAR	SHALIMAR PAINTS
		STPL LTD	SHALIMAR TAR PRODUCTS
		ARDEX ENDURA	ARDEX ENDURA INDIA PVT LTD.
		MAPECOAT L24	MAPEI CONSTRUCTION PRODUCTS INDIA P LTD.
		NEROLAC	NEROLAC
		SUN EPOXY PAINT	SUNANDA SPECIALITY COATINGS PVT LTD.
34	Interlocking concrete paver blocks	DAZZLE	DAZZLE DESIGNER TILES PVT LTD.
		ULTRA	ULTRA TILES PRIVATE LTD
		SHREE	SHREE BHARAT PAVER BLOCKS
		HINDUSTAN TILES	HINDUSTAN TILES, RANCHI, PUNE
		VYARA TILES	VYARA TILES PVT LTD. / SURAT
		NITCO (ROCKARD)	NITCO
		BHARAT (NILSAN)	BHARAT
		REGENCY	REGENCY
		BASANT BETONS	BASANT BETONS

PART- C

(Schedule of Quantities)

SCHEDULE OF QUANTITES

Name of work: Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. **SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.**

Sl. No.	Description	Quantity	Unit	Rate	Amount
1	Sub-Head :Roofing				
1.1	Extra for providing and fixing wind ties of 40x6 mm flat iron section.	500	meter	216.96	1,08,480.00
1.2	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
1.2.1	110 mm diameter	180	meter	418.62	75,352.00
1.3	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
1.3.1	Coupler				
1.3.1.1	110 mm diameter	22	each	151.02	3,322.00
1.4	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
1.4.1	Bend 87.5°				
1.4.1.1	110 mm diameter	22	each	166.77	3,669.00
1.5	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
1.5.1	Shoe (Plain)				
1.5.1.1	110 mm diameter	22	each	146.25	3,218.00
2	Sub-Head :Finishing				

2.1	Finishing walls with Acrylic Smooth exterior paint of required shade :				
2.1.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	65	Sqm	178.14	11,579.00
2.2	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
2.2.1	On steel work	50	Sqm	268.15	13,408.00
3	Sub-Head : Non Schedule Item				
3.1	Providing and fixing compact and Both Side UV 6mm thick solid polycarbonate sheet of MG POLYPLAST, LEXAN, Danpalon brand or equivalent. The cross section ends of poly carbonate sheet shall be provided with self-adhesive aluminium impermeable tape at top and aluminium ventilated tape at bottom of the sheet and covered with polycarbonate / aluminium u-shaped protective profile. The poly carbonate sheet shall be held in position by using stainless steel (SS304 grade) trapezoidal cleat of 1 mm thick having minimum bottom width 35mm and top width 50mm or any other shape and size as per design requirement and manufacturer specification, cleat fixed with 2 or more stainless steel screws of 5 mm diameter with 25mm long with structural steel framework. The cleat shall be tested to withstand pull out force equal to wind speed of 50m/s as per IS: 875 and design test report shall be submitted to Engineer-in-charge for approval before use. The cost of ridge and gutters of pre-coated galvanized iron sheet of approved specifications and structural steel framework of shall be paid in respective item for separately. The solid poly carbonate sheet shall be fixed on existing aluminium pargola with aluminium Alcox section of size 60x 18x2 mm(anodized 25 micron thick) and weight not less than 0.462 kg/metre. Weather proof Neoprene EPDM rubber gasket shall be fixed on both side of joints to make the whole structure water tight as per approved design/drawings. The aluminium section shall be fixed on Joints at both sides (top & bottom) of polycarbonate sheet to hold the sheets rigidly together. The weather proof neoprene gasket and aluminium profile shall be fixed and sealed with silicon sealant to make the Joints fully water proof. The open overhead ends of polycarbonate sheet to be sealed with anodised aluminium U Profile/ channel of size 10x10x 1.5 mm thick of weight not less than 0.20 kg/m. The sheet length has to be customised in such a way to get least number of joints along the slope. The rate shall be inclusive of cost of all material involved such as polycarbonate sheet, aluminium profile and aluminium channel, EPDM gasket, Self tapping screws, nut bolts, Silicon sealant or any other material required for fixing the sheet. The rate shall also include the cost of using boom lift for shifting and placing material and all T& P scaffolding and safety precautions required during execution of the work. The entire work shall be executed as per required design/drawings and direction of Engineer in-charge, all complete	1120	Sqm	3661.00	41,00,320.00
	Total				₹ 43,19,348.00

EE&SM(C)-II, KPD-II, CPWD, KARAIKAL					
SCHEDULE OF QUANTITIES - GENERAL ABSTRACT					
NIT NO: 23/EE&SM(C)-II/KPD-II/2026-27					
Name of Work: Construction of 456 Boys Hostel Block No. 2 (G+4) Storeys, Vertical Extension of existing Girls Hostel for 2 (Two) Floors, Common Amenities Centre (Single Storey), 22 Nos. Type III Quarters [3 Blocks of (G+2) Storeys & 1 Block of (G+1) Storey], 48 Nos. Type IV Quarters (G+2) Storeys, 300 seater Semi-Permanent Dining Block (Single Storey), Indoor Sports Complex Building and Development Works and bulk services like moorum / gravel filling, internal roads, footpaths, pathways, paved areas, cross drainage works, storm water drains, external sewerage, external water supply line, underground sump, street lighting, precast compound wall for Girls Hostel, open and covered car parking for NIT Puducherry at Karaikal including development of proposed open sports infrastructure facility. SH: Providing Polycarbonate sheet roofing over the existing Truss work at the Newly constructed Indoor Stadium.					
Name of the Contractor					
Sl.No	Name of component	Estimated cost (Rs.)	Percentage Above or Below the Estimated cost	Percentage in Figures	Total Cost
1	2	3	4	5	6
1	As per Page No.65-66 of NIT Schedule of Quantity	₹ 43,19,348/-		0.00%	0.00
	Grand Total	₹ 43,19,348/-			0.00
IMPORTANT NOTE:					
1	The Column No. 4 is mandatory and is to be filled by the bidders. If this column is left blank, the bid becomes invalid.				
2	The amount in figures in Column No. 6 shall appear automatically corresponding to the percentage quoted in Column No. 5.				
3	The bidder needs to quote the percentage only above or below or at par ECPT to cover the rate of all the items under the respective package.				
4	The percentage shall be quoted (written) upto 2 (two) places of decimal only.				
5	If the percentage selection in Column No. 4 is "At par", by default the percentage will be considered as "Zero" only.				
6	The amount for the payment of each item will be worked out as quantity executed & measured for that item multiplied by estimated rate of that particular item Plus or Minus tender percentage accepted for corresponding package.				
EXECUTIVE ENGINEER AND SENIOR MANAGER (C) -II			CONTRACTOR		
KPD-II, CPWD, KARAIKAL					