

PART-A

Name of work:- : Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

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CENTRAL PUBLIC WORKS DEPARTMENT
NOTICE INVITING e-BID

The **Executive Engineer, HYDERABAD -III, CPWD, Hyderabad** on behalf of President of India invites online **Percentage Rate Bids** from the approved and eligible contractors of CPWD enlisted contractors of appropriate class (**Tendering Jurisdiction is as per the Rules for Enlistment of Contractors in CPWD-2026**) in Buildings & Roads (erstwhile composite/Building/Infrastructure) category in **single bid** system for the following work: -

NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27)(RECALL)

Name of work: - : Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

Estimated Cost Put to Tender : Rs.2,27,40,061/-

Earnest Money : Rs.4,54,801/-

Period of completion : 120 Days

Last time and date of submission of online bid: **15:00 hours on 24/09/2026**

The bid forms and other details can be obtained from the **website <https://etender.cpwd.gov.in> or <https://eprocure.gov.in/> or www.cpwd.gov.in.**

Note: - Applicants are advised to keep visiting the above-mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updated thereof, if any. An incomplete application may be liable for rejection

**Executive Engineer,
HYDERABAD-III, CPWD, Hyderabad.**

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

The **Executive Engineer, HYDERABAD -III, CPWD, Hyderabad** on behalf of President of India invites online **Percentage Rate Bids** from the approved and eligible contractors of CPWD enlisted contractors of appropriate class (**Tendering Jurisdiction is as per the Rules for Enlistment of Contractors in CPWD-2026**) in Buildings & Roads (erstwhile composite/Building/ Infrastructure) category in **single bid** system for the following work:-

Sl.No.	Description	Details
1	NIT No.	<u>NITNO.69/2026-27/HYD-III/HYD(CE'SNIT NO.14/CE-HYD/2026-27)((RECALL)</u>
2	Name of Work & Locations	Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.
3	Estimated Cost Put to Bid	Rs.2,27,40,061/-
4	Earnest Money (EMD)	Rs.4,54,801/-
5	Period of Completion	120 Days
6	a. Last date & time for submission of original EMD with any CPWD, Executive Engineer.	Up to <u>15:00</u> Hours on 24/09/2026
	b. Last date & time for uploading the Receipt of Deposition of EMD and other documents as specified in the NIT.	Up to 15:00 Hours on 24/09/2026
	c. Last date of online submission of bid	Up to 15:00 Hours on 24/09/2026
7	Time & date of online opening of documents	Up to <u>15:30</u> Hours on 24/09/2026
8	Time & date of opening of Online Financial Bids to be opened after verification of EMD.	Up to <u>15:30</u> Hours on 24/09/2026
9(a)	Submission of hard copies of EMD.	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 (including NIT issuing EE). The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (as per CPWD-6 for e-tendering) uploaded by tender inviting EE in the NIT. Scanned copy of EMD including the receipt of deposition of EMD also to be uploaded to the e-tendering website by the intending bidder with in the specified bid submission date and time. EMD shall be made / issued only from the account of the bidder /tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.
(b)	Enlistment order, Affidavit, Undertaking and other Documents to Division Office by the Lowest Tenderer .	To be submitted during office hours within a week from the date of opening of Financial Bid. In case the last day happens to be closed holiday, these documents shall be submitted on the next working day.

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1. As per Rules for Enlistment of Contractors in CPWD-2026:
 - (i) Enlisted contractors of class-III, IV and V can tender within their tendering limit for works in the region of enlisting authority only.
 - (ii) Enlisted contractors of class-III, IV and V by the enlisting authority of Southern Region i.e. SDG (Chennai), ADG (Kochi), ADG(Bengaluru) and ADG(Hyderabad) can only tender within their tendering limit and tendering jurisdiction i.e. Tamil Nadu, Andaman & Nicobar, Puducherry, Kerala, Karnataka, Lakshadweep, Andhra Pradesh and Telangana state of Southern Region (SR).
 - (iii) Further the enlisted contractors of any class shall also have to meet the other requirements of eligibility as per NIT Conditions.
2. 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.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The contractor submitting the bid should read the schedule of quantities, Special conditions, additional conditions, particular specifications and other terms and conditions given in the NIT and drawings. The bidder should also read the CPWD General Conditions of Contract **Construction works** 2023 with all correction slips issued up to previous date for submission of bid, which is available as Government of India Publication in CPWD web site. However, provisions included in the bid document shall prevail over the provisions contained in the standard form. The set of drawings and NIT will be available with the **Executive Engineer, HYDERABAD-III, CPWD, Hyderabad**. The contractor should also visit the site of work and acquaint himself with the site conditions before tendering. The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while filling the tender. They are requested to comply with the following instructions.
5. Tenders with any condition including that of conditional rebates shall be rejected. Such tenders shall not be entered in the tender opening register at the time of opening of tender.
6. The successful tenderer shall be required to submit **an Irrevocable Performance Guarantee as mentioned in Schedule 'E'** of the tendered amount within 7 days of issue of letter of intent. This period can be further extended by Engineer-in-Charge up to a maximum period of 7 days on the written request of the contractor subject to payment of late fee @ 0.1% per day of Performance Guarantee amount. However, in case last day of submission of PG happens to be a bank holiday the last day of submission shall be the next working day.
7. **GST on all materials as well as GST on Work Contract etc., or any other taxes applicable in respect of this contract shall be payable by the Contractor. Percentage rate quoted by him shall be inclusive of such taxes, levies etc. and Government will not entertain any claim for reimbursement whatsoever in respect of the same. The percentage rates of the contract shall be inclusive of all taxes and levies and nothing extra shall be paid. Further the percentage rate quoted by the contractor shall be inclusive of labour welfare cess and the same shall be recovered from the contractor's bills and will be remitted by the department.**

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8. 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 contract to be complied by the contractor whose bid may be accepted and other necessary documents can be seen in the office of the EE, HYDERABAD-III between hours of 11.00 AM and 4.00 PM from 24/09/2026 to 24/09/2026 every day except on Second Saturday, Sunday and public Holidays or can be seen on website <https://etender.cpwd.gov.in> or www.cpwd.gov.in in free of cost.
10. But the bid can only be submitted after deposition of original EMD either in the office of Executive Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission and uploading the mandatory scanned documents such as Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank towards EMD in favour of Executive Engineer as mentioned in NIT, receipt for deposition of original EMD to division office of any Executive Engineer (including NIT issuing EE/ AE), CPWD and other documents as specified. **EMD shall be made / issued only from the account of the bidder /tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.**
11. **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>. Online Bid Documents submitted by intending bidders shall be opened only of those bidders, whose EMD deposited with any division of CPWD and other documents scanned and uploaded are found in order.**
12. **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](https://etender.cpwd.gov.in).**
13. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitors bid sheets.
14. Contractor can upload documents in the form of JPG format and PDF format.
15. Contractor must ensure to quote rate in the prescribed column(s) meant for quoting rate in figures appears in yellow colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO). However, if a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

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16. The bidder should either himself meet the eligibility conditions for the specialized Civil and E&M works as above or otherwise he will have to associate an agency meeting the eligibility requirements for specialized Civil and E&M works after award of work and has to submit details of such agency(s) conforming eligibility conditions as defined in the bid document to the Executive Engineer of concerned component at least two months in advance from taking up specific component. Names of the agency(s) to be associated shall be approved by the Engineer-in-Charge of concerned component.
17. Applicants are advised to keep visiting the above-mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respects including updates thereof, if any. An incomplete application may be liable for rejection.
18. The Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank in favour of **Executive Engineer, HCD-III, CPWD, Hyderabad** shall be scanned and uploaded to the e-tendering website within the period of bid submission. EMD shall be made / issued only from the account of the bidder /tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.

The 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) shall issue a receipt of deposition of Earnest Money deposit to the bidder in a prescribed format.

The receipt shall also be uploaded to the e-tendering web site by the intending bidder up to the specified bid submission date and time.

19. This work requires engaging more than 20 nos. of labours / workers and therefore all necessary licenses such as Labour license, EPFO and ESI, BOCW welfare registration etc., shall be taken by contractor within the time limits as prescribed under Clause 1 of Schedule- 'F'.
20. The document to be physically submitted shall be page numbered and each page shall be signed by authorized signatory.
21. Contractor shall not divert any advance payments or part thereof for any other purpose other than needed for completion of the contracted work. All advance payments received as per terms of the contract (i.e. mobilization, secured against materials brought at site, secured against plant & machinery and / or for work done during interim stages, etc.) are required to be re-invested in the contracted work to ensure advance availability of resources in terms of materials, labour, plant & machinery needed for required pace of progress for timely completion of work.
22. If any information furnished by the applicant is found to be incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.

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23. The department reserves the right to accept or reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
24. Any dispute arising out of this tender including dispute related to encashment of any Bank Guarantee/ FDR etc., shall be subject to the jurisdiction of courts of Telangana State only.
25. All the bidders are required to submit the undertaking on structural stability and Soundness in the tender documents as per prescribed format (Annexure-VII)

**Executive Engineer,
HYDERABAD -III, CPWD, Hyderabad.**

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

- (i) Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank against **EMD in favour of "Executive Engineer, HCD -III, CPWD, Hyderabad.** EMD shall be made/ issued only from the account of the bidder/tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.
- (ii) Copy of receipt for deposition of original EMD issued from division office of any Executive Engineer, (including NIT issuing EE), CPWD. **The receipt can also may be issued by any subordinate Gazetted authority authorized by the EE / DD(H). If so, letter of authorization shall be uploaded along with EMD receipt.** (Deposition of EMD at Sub division/ AE is not acceptable).
- (iii) Enlistment Order of the Contractor.
- (iv) **Undertaking* on a notarized 'non-judicial' stamp paper of Rs.200/- for structural stability and soundness of already completed buildings and infrastructure projects (Annexure - VIII).**
- (v) GST Registration Certificate of Telangana if already obtained by the bidder.
If the bidder has not obtained GST registration as applicable, then he shall scan and upload under taking as per **(Annexure-XII)*** along with bid documents.
"If the work is awarded to me, I/we shall obtain GST registration certificate of Telangana, as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".
- (vi) Certificate for ERP training issued in LMS by any CPWD Training institutes/Train the Trainers.
- (vii) Affidavit for non-execution of eligible similar work(s) through another contractor on back-to-back basis or subletting basis in **Form A (Annexure - IX)**
- (viii) Affidavit for Non-Black Lising in **Form B (Annexure - X)**
- (ix) Declaration about site inspection **(Annexure - XI) ***

***Note : All Notarized Affidavits/undertakings shall be made in current date after the date of initiation of tender and should show the**

(NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27)(RECALL)

and also shall be continuous and if the content in affidavit cannot be confined in a single page, the same can be extended to next page provided that, both/ all the pages should have Affidavit / stamp certificate number, with signature, page number and date on all pages.

Note: The Postal address of **Executive Engineer, HYDERABAD -III** may be noted as below for correspondence and submission of Physical documents.

**Executive Engineer
HYDERABAD -III, CPWD,
Ground floor, Nirman bhavan,
Sulthan Bazar, Koti,
Hyderabad – 500 095.**

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

The Executive Engineer, HYDERABAD-III, CPWD, Hyderabad on behalf of President of India invites online Percentage Rate Composite Bids from the approved and eligible contractors of CPWD enlisted contractors of appropriate class (Tendering Jurisdiction is as per the Rules for Enlistment of Contractors in CPWD-2026) in Buildings & Roads (erstwhile composite /Building /Infrastructure) category in Single bid system for the following work: **Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.**

1. As per Rules for Enlistment of Contractors in CPWD-2026:

- (i) Enlisted contractors of class-III, IV and V can tender within their tendering limit for works in the region of enlisting authority only.
- (ii) Enlisted contractors of class-III, IV and V by the enlisting authority of Southern Region i.e. SDG (Chennai), ADG (Kochi), ADG(Bengaluru) and ADG(Hyderabad) can only tender within their tendering limit and tendering jurisdiction i.e. Tamil Nadu, Andaman & Nicobar, Puducherry, Kerala, Karnataka, Lakshadweep, Andhra Pradesh and Telangana state of Southern Region (SR).
- (iii) Further the enlisted contractors of any class shall also have to meet the other requirements of eligibility as per NIT Conditions.

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

The work is Estimated to Cost **Rs.2,27,40,061/-**.

2.1 This estimate, however, is given merely as a rough guide.

- 2.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidder will correspond to the combined estimated cost of different components put to bid.
3. Agreement shall be drawn with the successful Tenderer on prescribed Form No. CPWD 7 which is available at Govt. of India Publication and also available on website <https://etender.cpwd.gov.in> or www.cpwd.gov.in. Tenderer shall quote his Percentage rate as per various terms and conditions of the said form which will form part of the agreement.

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4. The time allowed for carrying out the work will be **120 Days** from the date of start as defined in schedule 'F' or from handing over of the site, whichever is later.
5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen free of cost from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in.

The standard publications like General Conditions of Contract for **Construction works** 2023, Delhi Schedule of Rates 2023 for Civil and Delhi Analysis of Rates 2023 for Civil with amendments/correction slips up to the last date of submission of tender can be seen free of cost from website <https://etender.cpwd.gov.in> or www.cpwd.gov.in

6. After submission of the tender 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 any number of times but before last time and date of submission of tender as notified.

Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand draft or Banker's Cheque or Fixed Deposit Receipts or/ and Bank Guarantee including e-Bank Guarantee (for balance amount as prescribed) from any of the Commercial Bank (**drawn in favour of the Executive Engineer, HCD-III, CPWD, Hyderabad**) 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. **EMD shall be made / issued only from the account of the bidder /tenderer submitting the bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.** The EMD receiving Executive Engineer (including NIT issuing EE) 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.

This receipt shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20 lakhs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 3 months or more from the last date of submission of bids which is to be scanned and uploaded by the intending bidders.

Information and instructions for Executive Engineer for e-tendering.

- (i) The Executive Engineer of all divisions **including NIT issuing division/sub division** of CPWD should receive the original EMD for tender of other division.

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

Receipt of deposition of original EMD (Receipt No...../date) Name of Work: - Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad. NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27) (RECALL) 1. Estimated Cost: Rs.2,27,40,061/- 2. Amount of Earnest Money Deposit: Rs. 4,54,801/- 4. Last date of submission of bid: Up to 15:00 Hrs on 24/09/2026
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(*To be filled by NIT approving authority /EE at the time of issue of NIT and uploaded along with NIT)

1. Name of contractor# 2. Form of EMD# 3. Amount of Earnest Money Deposit# 4. Date of submission of EMD# Signature, Name and Designation of EMD receiving officer (EE) / by any subordinate Gazetted authority authorized by the EE / DD(H) along with Office stamp In case receipt issued by subordinate Gazetted authority authorized by the EE / DD(H), letter of authorization issued by concerned EE/DD(H) shall be uploaded along with EMD receipt (Deposition of EMD at Sub division/AE is not acceptable)
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(# To be filled by EMD receiving EE or NIT issuing EE as the case may be)

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- (iii) The Executive Engineer receiving EMD in original form shall examine the EMD deposited by the bidder and shall issue a receipt of deposition of earnest money to the agency in a given format uploaded by tender inviting EE. The receipt **can also** may be issued by **any subordinate Gazetted authority authorized by the EE/ Engineer – in – Charge / DDH**.
- (iv) The Executive Engineer receiving original EMD shall also intimate tender inviting Executive Engineer about deposition of EMD by the agency by email/ fax/ telephonically.
- (v) The original EMD receiving Executive Engineer shall release the EMD to unsuccessful bidders after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier after verification from the e-tendering portal website (<https://etender.cpwd.gov.in>>**closedTender>all**) that the Particular contractor is not L-1 tenderer and work is awarded.
- (vi) The tender inviting Executive Engineer will call for original EMD of the L-1 tender from EMD receiving Executive Engineer immediately.
- (vii) EMD shall be made / issued only from the account of the bidder /tenderer the submitting bid/tender. EMD made/ issued from the account other than that of the bidder/ tenderer submitting the bid, shall not be accepted.
8. Copy of Enlistment Order and other documents as specified in the press notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in **e- notice** shall have to be submitted physically by the lowest bidder only within a week in the office of tender opening authority.
9. **The bid submitted shall become invalid if:**
- The bidder is found ineligible.
 - The bidder does not upload all the documents (**including GST registration / under taking as applicable**) as stipulated in the bid document.
 - If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
 - If a tenderer does not quote any percentage above/ below on the total amount of the tender, the tender shall be treated as invalid and will not be considered as lowest.
 - Bids on which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the bidders.
 - The lowest bidder does not deposit certified copy of all the scanned and uploaded documents as specified in **e- notice** within a week of **opening of tender** in the office of tender opening authority.
10. The contractor whose tender is accepted, will be required to furnish performance guarantee at **specified percentage** of the tendered **amount or Estimated cost put to tender (ECPT) whichever is higher as mentioned in Schedule ‘E’** and within the period specified in Schedule F. This guarantee shall be in the form of **Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee** of any Commercial Bank in accordance with prescribed proforma. Performance guarantee shall remain valid for a minimum period of Six months beyond the date of completion of all contractual obligations as per GCC. In case of contracts where supplementary agreement is drawn, the fresh PG shall be required to furnish by

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the contractor @ 5% of the amount of the supplementary agreement or as prescribed from time to time. The PG received against the original work shall be released as per the contract conditions.

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. In case of forfeiture of earnest money as above, the tenderer shall not be allowed to participate in the retendering process of the work. The Earnest Money deposited along with tender shall be returned after receiving the aforesaid performance guarantee.

A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender. In case of abnormally low bids as defined above, the contractor is required to furnish the **Additional Performance Guarantee (APG) in addition to the standard performance guarantee (PG). The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount. The additional Performance Guarantee (APG) shall be in the prescribed format of Performance Guarantee and has to be submitted within the time frame prescribed for submission of Performance Guarantee. The other terms and conditions of release etc., of APG shall be same as that of PG.**

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

11. Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and 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 the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
13. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for reject.

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14. In case of Non submission of Hard copies within stipulated time by the lowest bidder and or any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said Earnest Money as aforesaid. Further the tenderer shall not be allowed to participate in the tendering process of the work.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
16. The Contractors whose near relatives are employed in any capacity in the Central Public Works Department will not be allowed to tender for works if the Division or Circle or Zone responsible for award and execution of contract is the one where the near relative is working. For this purpose of this Rule, a near relative shall mean Wife, husband, parents, Grand parents, children, grandchildren, brothers, sisters, uncles, aunts, cousins and their corresponding in - laws. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. **The bid for the works shall remain open for acceptance for a period of Thirty (30) days from the date of opening of bids.**
 - (i) If any tenderer withdraws his tender within 7 days after last date and time (24 hours basis) 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 after expiry of 7 days after last date and time (24 hours basis) 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) Withdrawal of the tender, by the tenderer, shall only be made through e-tender portal. Any other method i.e. through letter / e-mail etc. shall not be considered.
 - (iv) In case of forfeiture of earnest money as prescribed in para(i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
19. This notice inviting Bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
 - a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

percentage 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 or other Standard C.P.W.D. Form as applicable.
20. The person/persons whose tender(s) may be accepted (herein after called the contractor) shall permit Government at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work. Such deductions will be made and held by Government deposit by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities of fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
- All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the contractor by Government on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Bank or Government Securities (if deposited for more than 12 months) endorsed in favour of the Engineer-in-Charge, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above.
21. **The intending bidders are required to update their profile in CPWD e-tender portal and to upload their bids well in advance of last date of submission of tender. Any issue related to updating profile / uploading tender can be resolved through the concerned Executive Engineer/Assistant Engineer (Phone no 040-2461 6060, e-mail Id eehcd4cpwd@gmail.com) 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.**
22. In case of reduction in scope of work no claim on account of reduction in value of work, loss of expected profit, consequential overheads etc. shall be entertained.
23. The bidder has not been black listed by any State/Central Department or PSU or Autonomous bodies.
24. **For Composite Bids**
- 24.1 The Executive Engineer in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.
- 24.2 The bid document will include following two components:
- Part A:- CPWD-6/ CPWD-7 including schedule A to F for the major component of the work, Standard General conditions of contract for CPWD 2023 for Construction works as amended/modified up to the date of submission of bid.
- Part B: - General/Specific conditions, specifications and schedule of quantities applicable to major component of the work.

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- 24.3 The bidder must associate with himself, agencies of the appropriate class eligible to bid for each of the minor component individually.
- 24.4 The eligible bidders shall quote rates for all items of major competent as well as for all items of minor components individually.
- 24.5 After acceptance of the tender by competent authority, the EE in charge of major component of the work shall issue letter of award on behalf of the President of India. After the work is awarded, the main contractor will have to enter into one agreement with EE in charge of major competent and has also to sign two or more copies of agreement depending upon number of EE's/DDH in charge of minor components. One such signed set of agreement shall be handed over to EE/DDH in charge of minor component. EE of major component will operate Part -A and Part -B of the agreement EE/DDH in-charge of minor component (s) shall operate Part C along with Part-A of the agreement.
- 24.6 Entire work under the scope of composite bid including major and all minor components shall be executed under one agreement.
- 24.7 Security Deposit will be worked out separately for each component corresponding to the tendered cost of the respective component of works.
- 24.8 The main contractor has to associate agency(s) for minor component(s) conforming to eligibility criteria as defined in the bid document and has to submit detail of such agency(s) to Engineer-in-charge of minor component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-charge of minor component(s).
- 24.9 In case the main contractor intends to change any of the above agency/agencies during the operation of the contract, he shall obtain prior approval of Engineer-in-charge of minor component. The new agency/agencies shall also have to satisfy the laid down eligibility criteria. In case Engineer-in-charge is not satisfied with the performance of any agency, he can direct the contractor to change the agency executing such items of work and this shall be binding on the contractor.
- 24.10 The main contractor has to enter into agreement with contractor(s) associated by him for execution of minor component(s). Copy of such agreement shall be submitted to EE/DDH in charge of each minor component as well as to EE in charge of major component. In case of change of associate contractor, the main contractor has to enter into agreement with the new contractor associated by him.
- 24.11 Running payment for the major component shall be made by EE of Major discipline to the main contractor. Running payment for minor components shall be made by the Engineer-in-charge of the discipline of minor component directly to the main contractor.
- 25.11(A) The composite work shall treat as complete when all the components of the work are complete. The completion certificate of the composite work shall be recorded by Engineer-in-charge of major component after record of completion certificate of all other components.
- 25.12 Final bill of whole work shall be finalized and paid by the EE of major component. Engineer(s) in charge of minor components will prepare and pass the final bill for their component of work and pass on the same to the EE of major component for including in the final bill for composite contract.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

BRIEF SCOPE OF WORK / PARTICULARS OF THE WORK

1. The brief scope of the work for which bids are invited are as under:

Sl No.	Name of work	Estimated cost	Period of completion
	Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.	Rs.2,27,40,061/-	4(four) Months 120 days

The work is situated at University of Hyderabad, Gachibowli, Hyderabad. Telangana State.

2. (i) General scope of the work is as under:

Civil Provisions

The following provisions are made in this estimate:

- a) Preparation of layout drawing of Parking area for cars and four wheelers showing contour levels with necessary survey of approach road, exit road and parking area
- b) Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm.
- c) Getting Design mix M30grade concrete and approval from Engineer in charge
- d) RR masonry retaining walls for retaining the filled up earth wherever required as per direction of engineer in charge.
- e) Preparation and consolidation of sub grade for road work and parking area and base concrete with CC1:5:10 100mm thick.
- f) Circulation area/Driving area is to be constructed with 200 mm thick cement concrete of M25 grade.
- g) Parking area is to be laid with M-35 grade paver blocks
- h) Entry and exit roads to have footpaths on both sides, while parking area will have footpath provision on one side only.
- i) Provision of regulatory signage boards as per standards.
- j) Provision of retro-reflective marking strips and glow studs for visibility and safety.

3. Work shall be executed according to GCC 2023 for Construction works and CPWD Specifications 2019 vol. I &II as modified and corrected up to previous day of submission of Tender.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

**GOVERNMENT OF INDIA
CENTRAL PUBLIC WORKS DEPARTMENT**

**STATE: TELANGANA STATE.
BRANCH: BUILDINGS & ROADS**

**ZONE: Region - Hyderabad
DIVISION: Hyderabad -III**

COMPOSITE PERCENTAGE RATE TENDER & CONTRACT FOR WORKS

Tender for the work of :- Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

- i) To be submitted online by 15.00 Hrs on 24/09/2026 through website <https://etender.cpwd.gov.in> or www.cpwd.gov.in to Executive Engineer, Hyderabad -III, CPWD at Hyderabad (Telangana State).
- ii) To be opened in presence of qualified tenderers/ their authorized representatives who may be present at 15:30 Hrs on 24/09/2026 in the office of Executive Engineer, Hyderabad -III, CPWD office at Ground floor, Nirman Bhawan, Sultan Bazar, Koti, Hyderabad-95.
- iii) Agency:-..... (Contractor)

Designation:-Executive Engineer, Hyderabad -III, CPWD at Hyderabad (Telangana State).

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Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

TENDER

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

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all 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.

We agree to keep the tender open for **Thirty (30) days** from the due date of its opening 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.

I/We declare that EMD drawn is from my/our account only. I understood that if the EMD is drawn from the account other than my/our account, bid will be rejected/not accepted.

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 Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Further, if I/We fail to commence work as specified, I/We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

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

Dated: Signature of Contractor

Witness: Postal Address

Address:

Occupation:

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Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

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.

Signatures

Dated: _____

Designation:

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

SCHEDULES A to F

SCHEDULE 'A' Schedule of Quantities for Civil (Enclosed)

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

S.No	Description of Item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
-N I L-				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No	Description	Hire charges per day	Place of Issue
1	2	4	5
-N I L-			

SCHEDULE 'D'

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

-NIL-

SCHEDULE 'E'

Reference to General Conditions of contract: **GCC Construction works 2023 modified and amended up to previous day of submission of bid.**

Name of work : Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

1.1. Estimated Cost Put to Bid : **Rs.2,27,40,061/-**

1.2. Earnest money : **Rs.4,54,801/-** (To be returned after receiving Performance Guarantee).

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- 1.3. Performance Guarantee :
- (a) **5% of tendered value or Estimated Cost Put to Tender (ECPT)(Whichever is higher)**
 - (b) The contractor is required to furnish the **Additional Performance Guarantee (APG) in addition to the standard performance guarantee (PG)**, if the quoted bid amount is lesser than 80% of the estimated cost put to tender. **The amount of Additional Performance Guarantee (APG) shall be equivalent to the difference between the 80% amount of ECPT and quoted amount.**

1.4. Security Deposit : 2.5% of accepted tendered value

SCHEDULE 'F'

General Rules & Directions :

Officer inviting tender : **Executive Engineer,
HYDERABAD -III, CPWD,
Hyderabad or successor thereof.**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3 : **See below under Clause 12**

Definitions

- (i) Engineer-in-Charge : **Executive Engineer,
HYDERABAD -III, CPWD,
Hyderabad or successor thereof.**
- (ii) Accepting Authority : **Chief Engineer- Hyderabad,
CPWD, Hyderabad or successor
thereof.**
- (iii) Percentage on cost of materials and labour to cover all overheads and profits. : **15%**
- (iv) Standard schedule of Rates for Civil works : **DSR 2023 with correction slips up to date.**
- (v) Department : **Central Public Works Department**
- (vi) Standard CPWD contract Form : **GCC for Construction works 2023,
CPWD Form 7 as amended up to
previous day of submission of bid.**

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AE(C)		EE(C)	

Clause 1

- (i) Time allowed for submission of performance Guarantee, Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or Proof of applying thereof from the date of issue of letter of acceptance. : 7 days
- (ii) Maximum allowable extension with late fee at 0.1% per day of performance Guarantee amount beyond the period as provided in (i) above : 7 days

Clause 2

Authority for fixing compensation under clause-2. : Chief Engineer- Hyderabad, CPWD, Hyderabad or successor thereof.

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start : 7 days or date of handing over of site whichever is later

Mile stone(s) as per table given below

TABLE OF MILESTONE (S) for CIVIL WORKS			
Time Period allowed for Completion of Work: 120 days			
Sl. No.	Description of Mile stone (Financial)	Time Allotted (From date of start)	Amount in % of the tendered value of civil component to be withheld in case of non-achievement of milestone
1.	1/4 th of Tendered amount	30 days	In the event of not achieving the necessary progress as assessed from the running payments, 1.25% of the Tendered value of work will be withheld for failure of each milestone.
2.	2/4 th of Tendered amount	60 days	
3.	3/4 th of Tendered amount	90 days	
4.	Full Tendered amount	120 days	

Time allowed for execution of work – 120 days

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Note1. The amount so withheld may be released, if specifically requested by the contractor, on submission of Bank Guarantee in prescribed proforma.

(i) Authority to convey the decision of shifting of milestone and Extension of time	Executive Engineer, HYD III, CPWD, Hyderabad or his successor thereof
(ii) Authority to decide Rescheduling of mile stones and extension of time	Chief Engineer, Hyderabad, CPWD or his successor thereof
(iii) Shifting of date of start in case of delay in handing over of site	Chief Engineer, Hyderabad, CPWD or his successor thereof

Clause 5.1

Schedule of Handing over site.

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.	Full	10 days
Part B	Portions with encumbrances	Nil	Not Applicable
Part C	Portions dependent on work of other agencies.	Nil	Not Applicable

Clause 5.1(b)(iv)

In case of non-submission of time and progress chart & progress report using mutually agreed software/format

: **Rs.5000/- per week or part basis thereof**

Schedule of rate of recovery for delay in submission : **Rs.2500/- per day**
of the modified programme in terms of delay days.

Clause 6

Computerised Measurement Book (CMB)/

Electronic Measurement Book (EMB)

Mode of Measurement

: CMB

Clause 7

Gross work to be done together with net

: **Rs.56.85 Lakhs** or part thereof as per Discretion of Engineer-in-charge.

Payment / adjustment of advances for material collected, if any since the last such payment for being eligible to interim payment

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Omi	NIL	Ovw	NIL
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Clause 7 A

Whether Clause 7A shall be applicable : Yes

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

Clause 8A

Authority to decide compensation on Account - if contractor fails to submit completion plans Chief Engineer, Hyderabad, CPWD or his successor thereof

Clause 10A

List of testing equipments to be provided by the contractor at site : **Applicable as per Annexure -VI.**

Clause 10 B (ii)

Whether clauses 10 B (ii) shall be applicable : **Not Applicable**

Clause 10C : **Applicable**

Components of labour expressed as percent of value of work : **25%**

Clause 10CC : **Not Applicable**

Clause 11

Specification to be followed for execution: **CPWD Specifications 2019 Vol. I and Vol-II with up-to-date correction slips**

Clause 12

Type of work

: **Original Works.**

The Completion of Cost including extra items, deviations and admissible escalation shall, in no case, exceed 1.50 times the contract amount.

Contractor has to devise a system to keep a watch on quantum of work taken up vis-à-vis balance items required to complete defined scope of work and will give the alerts to Engineer-In-Charge before taking up extra items, deviations. If completion cost exceeds 1.25 times tendered amount, prior approval to be taken from competent authority before execution beyond 1.25

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times of tendered amount and total project cost inclusive of all deviations, Extra items together should not exceed 1.50 times the tendered amount. **Work executed beyond 1.50 times will neither be recorded nor be paid**

12.2 & 12.3

: As per applicable GCC

Deviation and pricing limit.

: 100%

All deviated Quantities shall be paid at agreement rate.

Deviation Limit beyond which clause 12.2 & 12.3 shall apply for building work

: 100%

(i) Deviation Limit beyond which clause 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items)

: 100%

(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items

: 100%

Clause 16

Competent Authority for deciding reduced rates: **Chief Engineer- Hyderabad CPWD, Hyderabad or successor thereof.**

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site : **As per Annexure -VII**

Clause 19 C

: Engineer-in-charge

Clause 19 D

: Engineer-in-charge

Clause 19 G

: Engineer-in-charge

Clause 19 K

: Engineer-in-charge

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Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Clause: 25 :

- (i) Conciliator : Additional Director General, Region-Hyderabad.
- (ii) Arbitrator Appointing Authority : Chief Engineer - Hyderabad, CPWD, Hyderabad.
- (iii) Place of arbitration : Hyderabad

Clause 32: Requirements of Technical Representative (s) and Recovery Rates:

(The technical staff for Civil services will be employed by the agency as per site requirement as decided by the Engineer in charge).

Sl. No	Requirement of Technical Staff		Minimum experience (Years)	Designation	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32 (i)	
					Figures (per Month)	Words
	Qualification	Number				
	(For Major Component) (to be employed from the date of commencement of the work).					
1	Graduate Engineer or Diploma Engineer	1	2 or 5 respectively	Project Manager Cum Planning/Quality/Site/Billing Engineer	Rs.15,000/- per month per person	Rs. Fifteen Thousand.

Note:-

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

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

Clause 38

- (i) (a) Schedule / statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2023 printed by C.P.W.D with correction slips issued up to date.
- (ii) Variations permissible on theoretical quantities.

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- (a) Cement for works with estimated cost put to tender not more than Rs. 5 lakhs : 3% plus / minus
and for works with estimated cost put to tender more than 5 lakhs : 2% plus/minus
- b) Bitumen for all works : 2.5% plus only & nil on minus Side
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category : 2% plus/minus
- (d) All other materials : Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of Item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond permissible variation	Less use beyond the permissible variation
1.	Cement	Not applicable	Not Allowed substandard work will be rejected
2.	Steel reinforcement		
	(a) Primary Manufacturer	Not applicable	

**Executive Engineer,
HYDERABAD -III, CPWD, Hyderabad.**

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Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

ANNEXURE -I

On non-judicial stamp paper of minimum Rs.200/-
(Guarantee offered by Bank to CPWD in connection with the execution of Contracts)
FORM OF BANK GUARANTEE FOR EARNEST MONEY DEPOSIT / PERFORMANCE
GUARANTEE/SECURITY DEPOSIT/MOBILIZATION ADVANCE

1. Whereas the Executive Engineer.....(name of division).....CPWD on behalf of the President of India (hereinafter called "The Government") has invited bids under(NIT number).....dated.....for..... (name of work) The Government has further agreed to accept irrevocable Bank Guarantee for Rs.....(Rupees.....only) valid upto.....(date)*..... as **Earnest Money Deposit** from(name and address of contractor) hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT.

OR**

Whereas the Executive Engineer.....(name of division)....., CPWD on behalf of the President of India (hereinafter called "The Government ") has entered into an agreement bearing number.....with.....(name and address of the contractor).....(hereinafter called " the Contractor") for execution of work.....(name of work)..... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs.....(Rupees.....only) valid up to.....(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 bank).....(hereinafter referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs.(Rupees.....only) in demand by the Government within 10 days of the demand.
3. We,.....(indicate the name of the Bank).....,do hereby 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 to 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 dispute raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal . The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.
5. We,.....(indicate the name of the Bank)....., further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms & conditions of the said agreement or to extended time of performance by the said contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Government against the said contractor and to forbear or enforce any of the terms & conditions relating to the said agreement and we shall not be relieved from our liability by reasons of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, (indicate the name of the Bank), further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.
7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.
8. We, (indicate the name of the Bank), undertake not to revoke this guarantee except with the consent of the Government in writing.
9. This Bank Guarantee shall be valid up to Unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs.(Rupees Only) and unless a claim in writing is lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date:.....

Witnesses :

1. Signature
Name and Address

Authorized Signatory

Name

Designation

Staff Code No.

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. Bank Guarantee will be made either for earnest money or for Performance Guarantee/Security Deposit/Mobilization Advance, as the case may be .

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Sample letter for Acceptance of tenderBy REGISTERED POST

No.

Dated,

To

(Name and Address of the contractor)

Subject: (Name of work as appearing in the tender for the work).

Dear Sir(s)

Your tender for the work mentioned above has been accepted on behalf of the President of India at your tendered / negotiated tender amount of Rs.....(Rupees.....) which is% below / above the estimated cost of Rs.....(Rupees.....)

1. You are requested to submit the performance guarantee of Rs.(Rupees.....) within 7 days of issue of this letter. The Performance Guarantee shall be in any of the prescribed form as provided in Clause - I of the General Condition of Contracts for CPWD Works and shall be valid up to On receipt of prescribed performance guarantee necessary letter to commence the work shall be issued and site of work shall be handed over to you thereafter.
2. Please note that the time allowed for carrying out the work as entered in the tender days, will be reckoned from days subject to maximum allowable extension under Clause 1(ii), from the date of issue of this letter.

Yours faithfully,

Executive Engineer
HYDERABAD-III, CPWD, Hyderabad.
For & on behalf of President of India

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Annexure-III**Sample letter for Commencement of works**

By Registered Post

No.

Date:

To

(Name and Address of the contractor)

Subject: (Name of work as appearing in the tender for the work).

Ref: 1. Performance guarantee submitted by you vide your letter
No Dated for above work.

2. This office letter of intent/ acceptance of tender No.....dt.....

Dear Sir(s)

1. In continuation to the letters referred above, you are requested to attend this office to complete formal agreement within 15 days from stipulated date of start.
2. You are requested to contact the Assistant Engineer, (complete address) for taking possession of site and starting the work on or before days from the date of letter of acceptance of tender. Please note, that the time allowed for carrying out the work as entered in the tender () days, will be reckoned from to days subject to maximum allowable extension under Clause 1(ii), from the date of issue of acceptance letter

Yours faithfully,

Executive Engineer
HYDERABAD-III, CPWD, Hyderabad.
For & on behalf of President of India

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

ANNEXURE- IV

**GUARANTEE FOR REMOVAL OF
DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS.**

The agreement made this _____ day of _____ two thousand and _____ between _____ son of _____ of _____ (hereinafter called the Guarantor of the one part) and the PRESIDENT of INDIA (hereinafter called the Government of the other part).

WHEREAS this agreement is supplementary to a contract (here in after called the contract), dated _____ and made between the GUARANTOR of the ONE part and the GOVERNMENT of the other part, whereby the contractor, interalia, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

AND WHEREAS THE GUARANTOR agreed to give a guarantee to the effect that the said structures will remain water and leak-proof **FOR FIVE** years to be reckoned from the date after the maintenance period prescribed in the contract.

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

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

- (i) Misuse of roof shall mean any operation which will damage proofing treatment like chopping of firewood and the things of same nature which might cause damage to the roof
- (ii) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby proofing treatment is removed in parts.
- (iii) The decision of the Engineer-in-charge with regard to cause of leakage shall be final.

During this period of guarantee the Guarantor shall make good all the defects and in case of any defect being found render the building water proof to the satisfaction of the Engineer-in-charge at his cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-charge calling upon him to rectify the defects failing which the work shall be got done by the department by

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

some other contractor at the GUARANTOR'S cost and risk. The decision of the Engineer-in-charge as to the cost payable by the Guarantor shall be final and binding.

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

IN WITNESS WHERE-OF these presents have been executed by the obligor_____ and by_____ and for and on behalf of the PRESIDENT OF INDIA on the month and year first above written.

SIGNED, sealed and delivered by (OBLIGOR) in the presence of.

1.

2.

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

1.

2.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Annexure-V**Guarantee To Be Executed By Contractors For Removal Of Defects After Completion In Respect Of Aluminum Doors, Windows, Ventilators Work and Curtain/Structural Glazing work.**

The agreement made this _____ day of _____ two thousand _____ between _____ son of _____ (hereinafter called the Guarantor of the one part) and the PRESIDENT OF INDIA (hereinafter called the Government of the other part).

WHEREAS THIS agreement is supplementary to a contract (hereinafter called the Contract) dated _____ and made between the GUARANTOR OF THE ONE part and the Government on the other part. Where by the contractor inter alia, undertook to render the work in the said contract recited structurally stable leak proof and sound material, workmanship, anodizing, coloring, sealing.

AND WHEREAS THE GUARANTER agreed to give a guarantee to the effect that the said work will remain structurally stable, leak proof and guaranteed against the faulty material and workmanship defective anodizing coloring and finishing for **two years** to be reckoned from the date after the maintenance period prescribed in the contract.

NOW THE GUARANTOR hereby guarantees that the work executed by him will remain structurally stable leak proof and guaranteed against faulty material and workmanship defective anodizing and coloring for the minimum life of **two years** to be reckoned from the date after the maintenance period prescribed in the contract.

The decision of the Engineer-in-charge with regard to case of defect shall be final.

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

That if Guarantor fails to make good all the defects, commits breach there under then the guarantor will indemnify the Principal and his successors against all loss, damage, cost, expense or otherwise which may be incurred by him by reason of any default on the part of the GUARANTOR in performance and observance of this supplementary agreement.

As to the amount of loss and / or damage and / or cost incurred by the Government the decision of the Engineer-in-charge will be final and binding on the parties.

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

SIGNED SEALED AND delivered by OBLIGATOR in the presence of:-

- 1.
- 2.

SIGNED FOR AND ON BEHALF OF THE PRESIDENT OF INDIA by..... in presence of:-

- 1.
- 2.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Annexure-VI**FIELD TESTING EQUIPMENT AND INSTRUMENTS TO BE PROVIDED BY THE CONTRACTOR AT HIS OWN COST****A. Testing Equipment at Field Laboratories (Minimum numbers specified against each of them)**

1. Balances
 - a) 7Kg to 10 kg capacity, semi-self indicating type- Accuracy 10 gm
 - b) 500 gm capacities, semi-self indicating type- Accuracy 1 gm
 - c) Pan balance- 5kg capacity- Accuracy 10 gms
2. Ovens- electronically operated, thermostatically controlled upto 110°C to 10°C.
3. Sieves as per IS 460-1962.
 - i) IS sieves - 450mm internal dia, of sizes 100mm, 80mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm and 4.75mm complete with lid and pan.
 - ii) IS sieves - 200mm internal dia (brass frame), consisting of 2.36mm, 1.18mm, 600 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.
4. Sieve shaker capable of 200mm and 450 mm dia sieves, manually operated with timing switch assembly.
5. Equipment for slump test-slump cone, steel plate, tamping rod, steel scale, scoop.
6. Dial gauges, 25mm travel- 0.01mm/ division least count - 2 nos.
7. 100 tonnes compression testing machine, hydraulically operated.
8. Graduated measuring cylinders 200 ml capacity – 3 Nos.
9. Enamel trays (for efflorescence test for bricks)
 - (i) 300 mm x 250 mm x 40 mm - 2 Nos.
 - (ii) Circular plates of 250mm dia - 4 Nos.
10. Concrete cube moulds 15 x 15 x 15cm - 60 Nos.
11. Vicats Apparatus for testing consistency of cement.
12. Cement Mortar cube Moulds -> 50 sqcm area – 12 Nos.
13. Pumps and pressure gauges for hydraulic testing of fires.

(B) FIELD TESTING INSTRUMENTS

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

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Minimum required T&P to be owned/taken on lease by the Contractor
(This list is only indicative and not exhaustive)

Sl. no.	Activity	Detail of T&P	Qty.
1	Earth work	a)Earth moving equipment like JCB	2 Nos.
		b)Earth rammers	3 Nos
2	Concrete work	a)Concrete hopper mixer	1 Nos.
		b) Plate vibrator	5 Nos.
		c)Needle vibrator	5 Nos.
		d)Reversible drum mixer (Digital)- 6 cum/per hour	2 Nos.
3	Building work	a) Bar cutting machine	2 Nos.
		b) Hydraulic Bar bending machine	2 Nos.
		c) Wood thickness planer machine	2 Nos.
		d) Drilling machine	1 No.
		e) Steel shuttering plates i/c Steel scaffolding, adjustable telescopic props, Adjustable spans	12000 Sqm
		f) Grinding / polishing machines	2 Nos.
		g) Builders Hoist	2 Nos.
		h) DG set 65 KVA	1 Nos.
4	Transportation	Truck & Tippers	3 Nos.
5	Dewatering	Diesel and electrical pumps	2 Nos.
6	Pneumatic Equipment	Air Compressor	1 No.
7	Survey	(a) Electronic Total station instrument	2 Nos.
		(b)Auto level with leveling staff	2 Nos.
8		Welding Machine	2 Nos.
9		Any other Machinery required for completion of work as per direction of Engineer - in - charge.	
10	Rolling/Compaction	Road Roller 8-10 tonnes capacity	4
11	Rolling/Compaction	Vibrator Roller	4

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

NOTE:

1. The contractor has to establish within 21 days from the award of work a field laboratory at site including all necessary equipment and skilled manpower for the **Field Tests as indicated in the tender document** this own cost to have proper quality control. **Rs.1,000/-** per day shall be recovered from the contractor for any delay beyond the specified period. If contractor fails to establish lab within additional period of 15 days, the Engineer in Charge shall initiate action as deemed fit under relevant clauses of the agreement.
2. A site laboratory with temporary structure of minimum 25 sqm area may be fabricated at site by the contractor for accommodating above instruments and for conducting of various tests for which no extra payment shall be made to the contractor.
3. One sample keeping room of minimum area of 20 sqm should also be fabricated at site for keeping various material brought by the contractor at site and approved by the Engineer in charge. No extra payment on account of this shall be made to the contractor.
4. All the above structures should be decent looking and shall be fabricated as per direction of Engineer in charge.
5. All the above structure shall be demolished after completion of work and the dismantled material shall be the property of the contractor.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

(Annexure-VIII)

FORM "F"**UNDERTAKING ON STRUCTURAL STABILITY AND SOUNDNESS OF
ALREADY COMPLETED BUILDINGS AND INFRASTRUCTURE PROJECTS.****NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27) (RECALL)****Name of work: Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.**

I/we undertake and confirm that any building/infrastructure constructed by our firm/partnership firm/company has not suffered any failure, making it unfit for intended use, either due to structural design and defects or due to use of sub-standard materials or execution of sub-standard work, poor workmanship or any other reason during the last 25 (twenty five) years.

I/we, further, undertake that if such information comes to the notice of CPWD, then Engineer-in-Charge shall be free to terminate the bid/agreement and to forfeit the entire amount of earnest money deposit, performance guarantee and security deposits.

I/we, also undertake that in addition to above, the Engineer-in-Charge shall be free to debar us forever from tendering in CPWD.

The decision of Engineer-in-Charge or any higher authority shall be final and binding.

Signature of notary with seal

Signature of bidder or an authorized person of
The firm with stamp

Note: Affidavit to be furnished on a 'Non-judicial' stamp paper of Rs.200/- (scanned copy of the notarized affidavit to be uploaded at the time of submission of bid).

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

ANNEXURE – IX**FORM "A"**

Name of work: Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

NITNO.69/2026-27/HYD-III/HYD(CE'SNITNO.14/CE-HYD/2026-27)(RECALL)

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.

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

Note : Affidavit to be furnished on a Non-Judicial Stamp Paper worth Rs.100/-

(Scanned copy to be uploaded at the time of submission of Bid

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

ANNEXURE – X**FORM "B"**

Name of work: Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

NITNO.69/2026-27/HYD-III/HYD(CE'SNITNO.14/CE-HYD/2026-27)(RECALL)

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

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

Note : Affidavit to be furnished on a Non-Judicial Stamp Paper worth Rs.100/-

(Scanned copy to be uploaded at the time of submission of Bid)

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Annexure-XIFORM D - DECLARATION ABOUT SITE INSPECTION

To,
The Executive Engineer,
Hyderabad-III, CPWD,
Hyderabad.

Name of Work: - Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

NITNO.69/2026-27/HYD-III/HYD(CE'SNITNO.14/CE-HYD/2026-27)(RECALL)

Dear Sir,

It is hereby declared that as per CPWD-6 FOR e-BIDDING, I/ We the bidder(s) 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. Ourselves before submitting the bid, 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 / have 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)

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

UNDERTAKING FOR OBTAINING GST CERTIFICATE

To,
The Executive Engineer,
Hyderabad-III, CPWD,
Hyderabad.

Name of work :- **Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.**

NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27)(RECALL)

Sir,

If the bidder has not obtained GST registration as applicable, then he shall scan and upload following under taking along with bid documents.

"If the work is awarded to me, I/we shall obtain GST registration certificate of Telangana as applicable, within one month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/we shall be responsible for any delay in payments which will be due towards me/us on account of the work executed and/or for any action taken by CPWD or GST department in this regard".

Signature of bidder or an authorized
person of the firm with stamp

Date of Submission:

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

**GOVERNMENT OF TELANGANA
ABSTRACT**

Mines and Minerals - Rules - Telangana Minor Mineral concession Rules, 1966 -
Revision of Seigniorage Fee - Amendment - Notification - Orders - Issued.
INDUSTRIES AND COMMERCE (MINES.I) DEPARTMENT

G.O. Ms. No. 14

Dated: 08.07.2025
Read the following

- 1) G.O. Ms. No. 18, Industries & Commerce (M.I) Dept., dt: 31.03.2022.
- 2) From the Director of Mines and Geology, Hyderabad, Letter No. 3104394/MR/2025, dated: 16.05.2025.

ORDER:

In the G.O. 1st read above, Government has earlier revised the rates of Seigniorage Fee for Schedule-I and Schedule-III minor minerals under Rule 10 of the Telangana Minor Mineral Concession Rules, 1966 and the next Revision of Rates of Seigniorage Fee is fallen due from 31.03.2025 onwards.

2. Further, the Director of Mines and Geology in his letter in the reference 2nd read above has sent proposal for revising the rates of Seigniorage Fee in Schedule-I & III under the Rule 10 of Telangana Minor Mineral Concession Rules, 1966 as per the powers conferred by sub section (1) of section 15 of the Mines and Minerals (Development and Regulation) Act, 1957 (Central Act No.67 of 1957), thereby augmenting Mineral Revenue collections to the State Exchequer.

3. The Ministry of Mines Government of India vide S.O.No.924(E), dt.20.02.2025, omitted the Minerals Barytes, Feldspar, Mica and Quartz from the list of Minor Minerals w.e.f., 20.02.2025 and shall be Governed as per the MMDR Act, 1957 and Minerals (Other than Atomic and Energy Minerals) Concession Rules 2015. Further, the Ministry of Mines, Government of India vide Lr.No.16/7/2024-Mines VI-Part(2), dt.01.05.2025, issued orders that the Minerals Barytes, Feldspar, Mica and Quartz shall continue to pay Royalty to the State Government at the existing rates specified by the respective State Government up to 31.03.2026 or till further directions whichever is earlier.

4. Government after careful examination of the entire matter hereby now decided to amend the Rates of Seigniorage Fee in Schedule-I & III of Rule 10 of Telangana Minor Mineral Concession Rules, 1966.

5. Accordingly, the following notification shall be published in the Extra Ordinary Issue of the Telangana Gazette.

NOTIFICATION

In exercise of the powers conferred by Sub-Section (1) of Section 15 of the Mines and Minerals (Development and Regulation) Act, 1957 (Central Act No.67 of 1957), the Governor of Telangana hereby makes the following amendments to the Schedules I & III under Rule-10 of the Telangana Minor Mineral Concession Rules, 1966:

**SCHEDULE-I
RATES OF SEIGNIORAGE FEE**

Sl. No.	Name of the Minor Mineral	Revised Rates of Seigniorage Fee per Metric Tonne (MT) (In Rupees)
1	Building Stone, Rough Stone/Boulders Road Metal, Ballast, Sand Stone and Manufactured Sand (M-Sand)	78
2	Dimensional Stone used for Kerbs & Cubes	156

[P.T.O.]

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

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3	Limestone	The rate of royalty as applicable to Limestone (other than LD Grade) in respect of Major Minerals as per the 2 nd Schedule of the Mines & Minerals (D&R) Act, 1957.
4	Marble	156
5	Mosaic chips	70
6	Morram/Gravel & Ordinary Earth	26
7	Shingle	26
8	Chalcedony Pebbles	78
9	Fullers Earth/Bentonite	195
10	Rehmatti	38
11	Limestone Slabs	130
12	Brick Earth used in the manufacture of Bricks including Mangalore Tiles.	9360
Granite Useful for cutting and polishing		
i) Black Granite		
13	a) Gangsaw (above 270 x above 150 CM)	1633 / 4680 MT / M3
	b) Below Gangsaw	1252 / 3588 MT / M3
ii) Colour Granite		
14	a) Gangsaw (above 270 x above 150 CM)	1354 / 3588 MT / M3
	b) Below Gangsaw	1176 / 3120 MT / M3

**SCHEDULE-III
RATES OF SEIGNIORAGE FEE**

Sl. No.	Name of the Minor Mineral	Revised Rates of Seigniorage Fee per Metric Tonne (MT) (In Rupees)
1	Agate	187
2	Ball Clay	94
3	Calcareous Sand	116
4	Calcite	109
5	Chalk	125
6	China clay	94
7	Clay (others)	62
8	Corrundum	94
9	Diaspore	421
10	Dolomite	156
11	Dunite or pyroxenite	62
12	Felsite	172
13	Fire Clay (Including plastic, Pipe, Lithomargic and natural Pozzolanic Clay)	78
14	Fuchsite Quartzite	109
15	Gypsum	109
16	Jasper	187
17	Kaolin	94
18	Laterite	130
19	Limekankar	148
20	Ochre	54
21	Pyrophyllite	281
22	Quartzite	94

[Contd, P.3]

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

::03::

23	Sand (Others)	94
24	Shale	203
25	Silica Sand	94
26	Slate	203
27	Steatite or Talc or Soapstone	468

6. These orders will come into effect from 08th July, 2025.

7. The Director of Mines & Geology, Hyderabad shall take necessary action in the matter accordingly.

8. This order issues with the concurrence of Finance (EBS.VII) Department vide their U.O.No.1318/88/A2/EBS.VII/2025, Dated:26.06.2025.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

N.SRIDHAR
PRL. SECRETARY TO GOVERNMENT &
SECRETARY TO GOVERNMENT (M&G)(FAC)

To

The Commissioner of Printing, Stationary & Stores Purchase (Ptg. Wing) Hyderabad.
(He is requested to publish the above Notification in the Extra -Ordinary issue of Telangana Gazette, and arrange to send 500 copies of the same to Government in Inds. & Comm. (M.I) Dept.,)

The Director of Translation, Telangana, Hyderabad.

(He is requested to furnish the Telugu version of the Notification direct to the Commissioner, Printing, Stationary & Stores Purchase (Ptg. Wing), Hyderabad).

The Director of Mines & Geology, Hyderabad.

The Vice Chairman & Managing Director,

M/s. Telangana Mineral Development Corporation Ltd., Hyderabad.

All the District Collectors/ Additional Collectors in the State of Telangana.

The Municipal Administration and Urban Development Department.

The Irrigation & CAD Department.

The Transport, Roads & Buildings Department.

The Panchayat Raj & Rural Development Department.

The Revenue Department.

The Director General of Police, Hyderabad.

The Commissioner of Rural Development, Hyderabad.

The Commissioner of Transport, Hyderabad.

The Commissioner of Panchayat Raj, Hyderabad

The Director, Ground Water Department.

The Member-Secretary, Telangana Pollution Control Board, Hyderabad.

The Engineer-in-Chief, Irrigation Department.

Copy to :

The Secretary to Government, Ministry of Mines, Govt of India.

The P.S. to Secretary to Hon'ble Chief Minister.

The P.S. to Hon'ble Deputy Chief Minister.

The P.S. to Hon'ble Minister for Mines & Geology.

The P.S. to Principal Secretary to Government, Finance Department.

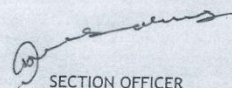
The P.S. to Principal Secretary to Government & Secretary to Government (Mines & Geology), Industries & Commerce Department.

The Finance (EBS.VII) Department.

All the Joint Directors/Deputy Directors/Assistant Directors of Mines and Geology (through the Director of Mines & Geology, Hyderabad).

Sf/Sc.

//FORWARDED : : BY ORDER//


SECTION OFFICER
HQ/MC

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GOVERNMENT OF TELANGANA
DEPARTMENT OF MINES AND GEOLOGY::HYDERABAD

Letter No.1247095/P/2021

Dated:16.04.2022

From
Director of Mines & Geology (FAC),
2nd Floor, Myhome Sarovar Plaza,
Opp: Secretariat, Hyderabad.

To
The Chief Engineer,
(P.W.D) Central Public works
Department. Kendriya Sadan, Sultan
Bazar, HYDERABAD.

Sir,

Sub:- Mines & Minerals – Amendments to Telangana Minor Mineral
Concession Rules, 1966 – Enhancement of Seigniorage Fee
and introduction of Permit Fee - Orders Communicated – Reg.

Ref:- 1.G.O.Ms.No.18, Ind. & Com. (M.I) Dept., dated 31.03.2022.
2.G.O.Ms.No.21, Ind. & Com. (M.I) Dept., dated 31.03.2022.

I invite attention to the subject & references cited. Through the
reference 1st cited, the State Government enhanced the Seigniorage Fee on
Minor Minerals.

Through the reference 2nd cited, the State Government introduced
Permit Fee payable alongwith seigniorage fee in addition to Seigniorage Fee,
DMF & SMET at the rate of 0.8 times of Seigniorage Fee for all Minor
Minerals except Colour Granite, Black Granite & ordinary Sand and at the
rate of 0.4 times of Seigniorage Fee for Colour Granite and Black Granite.

In view of the above, it is requested to issue necessary instructions to
all the Govt. Engineering/Consuming Depts. for remittance/deduction of
enhanced Seigniorage Fee alongwith Permit Fee on Seigniorage Fee for the
Minor Minerals consumed by the Engineering Departments w.e.f. 01.04.2022
for on-going projects, approved projects but yet to be ground and projects
under pipeline in the following Head of Accounts:

Sl No	Item	Head of Account (Treasury)
1	Seigniorage Fee	0853-102-02
2	Permit Fee	0853-102-81

Further, any clarification by the circle or District Heads of Govt.
Engineering Departments on remittance of Enhanced Seigniorage Fee and
payment of Permit Fee may contact concerned District Assistant Directors of
Mines & Geology.

Yours faithfully

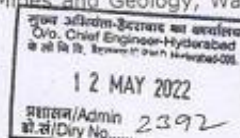
Sd/- M Venkateshwariu
for Director of Mines & Geology

स.स.स.	आ.स.स.	आ.स.स.	आ.स.स.
AAO	S.O.	EE(CMI)	CE
16/1/22			16/1/22

//Attested//

for Director of Mines and Geology

Copy to the Director, Directorate of Works & Accounts, AC Guards,
Hyderabad for information and necessary action.
Copy to all Asst. Directors of Mines and Geology in the State for information
and necessary action.
Copy to the Deputy Director of Mines and Geology, Warangal, Hyderabad &
Nizamabad for information.



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GOVERNMENT OF TELANGANA
ABSTRACT

Mines and Minerals - Rules - The Telangana Minor Mineral concession Rules, 1966 -
Levy of Permit Fee on Minor Minerals - Amendment - Notification - Orders - Issued.

INDUSTRIES & COMMERCE (MINES.I) DEPARTMENT

G.O.Ms.No.21,

Dated:31.03.2022
Read the following:

From the Director of Mines and Geology, Hyderabad Letter
No.1247095/P/2021, dated: 22.09.2021.

ORDER:

The Director of Mines and Geology, Telangana, has submitted proposal in the reference read above and stated that, there is no fee levied at the time of issuance of permit and proposed to levy Permit Fee in addition to the Seigniorage Fee, DMF and SMET when permit is issued for transportation of extracted minerals at the rate of 0.8 times of Seigniorage fee for all minor minerals except Colour Granite, Black Granite and Ordinary Sand and 0.4 times of Seigniorage fee for Colour Granite and Black Granite irrespective of the mode of grant of lease.

2. The Director of Mines and Geology, Telangana has requested the Government to issue necessary amendments to Rule 4 and Rule 34(2) of Telangana State Minor Mineral Concession Rules, 1966 to this effect.

3. After careful examination of the proposal of the Director of Mines and Geology, Telangana, it is hereby decided to levy Permit Fee in addition to the Seigniorage Fee, DMF and SMET, at the rate of 0.8 times of Seigniorage fee for all minor minerals except Colour Granite, Black Granite & Ordinary Sand and at the rate of 0.4 times of Seigniorage fee for Colour Granite and Black Granite on the lease holders/permit holders, irrespective of the mode of grant of lease, duly amending the Rule 4 and Rule 34(2) Telangana Minor Mineral Concession Rules, 1966.

4. Accordingly, the following Notification will be published in an Extra-Ordinary Issue of Telangana State Gazette.

NOTIFICATION

In exercise of the powers conferred by Sub-Section (1) of Section 15 of the Mines and Minerals (Development and Regulation) Act, 1957 (Central Act 67 of 1957), the Governor of Telangana hereby makes the following amendments to the Telangana Minor Mineral Concession Rules, 1966.

AMENDMENTS

In the said Rules, in Rule-4, after clause (j), the following clauses shall be added, namely

(k) 'Permit Fee' means the amount payable by the lease holder/permit holder at the time of grant of permit.

(ii) In Rule-34, Sub-Rule (2) the following shall be inserted after the words "payment of seigniorage fee"

"along with permit fee at the rate of 0.8 times of Seigniorage fee for all minor minerals except Colour Granite, Black Granite & Ordinary Sand and at the rate of 0.4 times of Seigniorage fee for Colour Granite and Black Granite, irrespective of the mode of grant of lease"

[P.T.O]

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5. These orders will come into effect from 01st April, 2022.
6. The Director of Mines & Geology, Telangana, shall take necessary action accordingly.
7. This order is issued with the concurrence of Finance Department vide their U.O.No.2012-A/89/EBS.VII/I&C/2021, dated:22-09-2021.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

SOMESH KUMAR
CHIEF SECRETARY TO GOVERNMENT &
PRINCIPAL SECRETARY TO GOVERNMENT (MINES & GEOLOGY)(FAC)

To
The Commissioner of Printing, Stationary & Stores Purchase (Ptg. Wing) Hyderabad.
(He is requested to publish the above Notification in the Extra -Ordinary issue of Telangana Gazette, and arrange to send 500 copies of the same to Government in Inds. & Comm. (M.I) Dept.,).

The Director of Translation, Telangana, Hyderabad.
(He is requested to furnish the Telugu version of the Notification direct to the Commissioner, Printing, Stationary & Stores Purchase (Ptg. Wing), Hyd.

The Director of Mines and Geology, Telangana State, Hyderabad.
The Vice Chairman & Managing Director, Telangana State Mineral Development Corporation Ltd., Hyderabad.

All the District Collectors/ Additional Collectors in the State of Telangana.
The Municipal Administration and Urban Development Department.
The Irrigation & CAD Department.
The Transport, Roads & Buildings Department.
The Panchayat Raj & Rural Development Department.
The Revenue Department.
The Director General of Police, Hyderabad.
The Commissioner of Rural Development, Hyderabad.
The Commissioner of Transport, Hyderabad.
The Commissioner of Panchayat Raj, Hyderabad
The Director, Ground Water Department.
The Member-Secretary, Telangana State Pollution Control Board, Hyderabad.
The Engineer-in-Chief, Irrigation Department.

Copy to :
The Secretary to Government, Ministry of Mines, Govt of India.
The Law Department.
The Finance Department.
P.S. to Principal Secretary to Hon'ble Chief Minister.
P.S. to Hon'ble Minister MA&UD
P.S. to Hon'ble Minister for Panchayat Raj & Rural Development.
P.S. to Hon'ble Minister for Irrigation.
P.S. to Chief Secretary and Prl Secy. to Govt, Ind & Com(Mines) Department.
The Joint Directors/Deputy Directors/Assistant Directors of Mines and Geology through the Director of Mines & Geology, Hyderabad.
The General Administration (Cabinet) Department.
Sc/Sf

//FORWARDED:: BY ORDER//

SECTION OFFICER

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PART - B

CIVIL WORK

Name of work: Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.

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SPECIAL CONDITIONS

- 1) The work shall be carried out as per CPWD Specifications 2019 Vol. I & II with up to date correction slips, particular specifications, structural drawings and as per instruction of Engineer-in-charge.
- 2) Unless otherwise specified in the schedule of quantities, particular specifications or CPWD specifications (subject to the order or preference) the rates tendered by the tenderer shall be all inclusive and nothing extra over and above the schedule of quantity shall be payable on this account.
- 3) 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, upto the date of receipt of tenders.
- 4) 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 submission of 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.
- 5) The Contractor shall, if required by him, before submission of the bid, inspect the preliminary drawings in the Office of the **Executive Engineer, HYDERABAD-III, CPWD, Hyderabad**. 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.

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- 6) 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 there from 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 respect. 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 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.
- 7) **The contractor 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 fees, taxes and charges which may be leviable on account of these operations in executing the contract. **If any Specific barricading required for the site for safeguarding their own resources, agency has to make Barricading around the site at his own cost.**
- 8) The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night. In case of any accident to labours/ contractual staff 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.
- 9) The work shall generally be carried out in accordance with the “CPWD Specifications 2019 Vol. I & II with up-to-date Correction clips, 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 Architectural and Structural) drawings will be released progressively to the contractor commensurate to the construction schedule approved by Engineer-in-charge.
- 10) The several documents forming the tender 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.
- 11) In case of any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (including special conditions) and I.S. Codes etc., the following order of preference shall be observed.

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- i. Description of items as given in Schedule of quantities
 - ii. Particular specifications
 - iii. Special conditions
 - iv. Tender drawings attached
 - v. CPWD Specifications including correction slips issued up to the last date of uploading/ submission of tender.
 - vi. General Conditions of Contract 2023 for Construction works including correction slips issued up to the last date of uploading/ submission of tender.
 - vii. Indian Standards Specifications of B.I.S.
 - viii. ASTM, BS, or other foreign origin codes mentioned in tender document.
 - ix. Manufacturer's specifications and as decided by the Engineer-in-Charge.
 - x. Sound Engineering practices or well-established local construction practices.
 - xi. "In the event of any variation / discrepancy in the drawings, specifications and tender documents etc. the decision of the Engineer in charge shall be final binding, and conclusive on the contractor and in the case the contractor have any doubt and the same should be got clarified immediately from the Engineer in charge and no claim of the contractor shall be entertained thereafter. **Moreover, the agency is not allowed to take benefit out of any clerical / grammatical mistake in the standard clauses / Schedule of Quantities / Specifications etc. being used in the agreement**".
12. 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 work.
- 12.1 The works to be under taken by the contractor shall inter alia include the following:**
- (i) Preparation of detailed SHOP drawings, AS BUILT architectural drawings and Plumbing, Electrical and Mechanical drawings for the building based on preliminary architectural drawings.
 - (ii) Getting the detailed, AS BUILT architectural drawings by architect, CPWD and SHOP drawings and Plumbing, Electrical and Mechanical drawings for the building approved by engineer in charge
 - (iii) Obtaining of Statutory permissions from local bodies like GHMC, Fire Department, Airport Authority and other local bodies as applicable wherever required.
 - (iv) Pre - commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
 - (v) Warranty obligation for the equipment and / or fittings / fixtures supplied by the contractor.
- 12.2 Contractor shall provide all the shop drawings or layout drawings for all the coordinated services before starting any work or placing any order for 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.

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- 12.3 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 measurements book duly test checked shall be deposited with Engineer in charge or his authorized representative, prior to hiding these items.
13. The work shall be carried out in accordance with the approved Architectural, structural drawings & service drawings. Before commencement of any item of work the contractor shall correlate all the relevant structural drawings, 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.
 14. 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.
 15. Unless otherwise provided in the Schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account.
 16. The contractor 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.
 17. 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 structural drawings which shall have to be vetted by IITs, NITs, Government Engineering colleges, CBRI and other Central /State Govt. Institutes as approved by SDG/ADG, and all costs towards the same, including charges for vetting shall be deemed to have been included in the quoted rates.
Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the execution of work and nothing extra shall be payable or extra cement considered in consumption on this account.
 18. 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.

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19. Work shall normally be done in a single shift/day. However, if the work is required to be executed in more than one shift in a day for meeting the time lines, the Contractor with prior approval of the Engineer-in-charge, shall have to make necessary arrangements for the same and all costs towards the same shall be deemed to have been included in the quoted rates.
20. Materials used on work without prior inspection and testing (where testing is necessary) and without approval of the Engineer-in-Charge are liable to be considered unauthorized, defective and not acceptable. The Engineer-in-Charge shall have full powers to require the 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.
21. Before taking up the work, the contractor shall also provide integrated drawings for various civil and electrical services showing details of lay out plan including sectional elevations. 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.
22. **PREVENTION OF NUISANCE AND POLLUTION 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.
23. 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.
24. **SECURITY AND TRAFFIC ARRANGEMENTS**
In the event of any restrictions being imposed by the Security agency of Client Department / CPWD/ Hyderabad 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 him on such accounts. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.

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For the safety of all labour directly or indirectly employed in the work 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.

i.	IS 3696 Part I	Safety Code for scaffolds and ladders.
ii.	IS 3696 Part II	Safety Code for scaffolds and ladders Part II ladders.
iii.	IS 764	Safety Code for excavation work.
iv.	IS 4138	Safety Code for working in compressed air.
v.	IS 7293	Safety Code for working with construction machinery.
vi.	IS 7969	Safety Code for storage and handling of building materials.
vii.	IS 4130	Safety code for demolition of buildings.

25. The contractor is required to make his own arrangements to provide huts for labourers as is acceptable to local bodies /client 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.
26. 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.
27. 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.
28. 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.
29. The contractor shall be responsible for the watch and ward/ guard of the buildings, safety of all fittings and fixtures including all equipments, 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.
30. 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 / Telangana 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

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by the local authorities. 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 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.

31. For works below ground level the contractor shall keep that area free from water. If dewatering or bailing out of water is required the contractor shall do the same at his own cost and nothing extra shall be paid except otherwise provided in the items of Schedule of Quantities.
32. 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.
33. The contractor will take reasonable precautions to prevent his workman and employees from removing and damaging any flora (plant/vegetation) from the project area.
34. **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 in the drawings and actual layout at site shall be immediately 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 center 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.

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- (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 amount 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, 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.

35. **TOOLS AND PLANTS**

The contractor should deploy 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.

Removal of machinery, tools & equipment shall be allowed to be moved away from the site only when, in written opinion of Engineer – in – Charge, the same are no longer required at site of work.

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36. 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.

37. The contractor shall do proper sequencing of the various activities by suitably staggering the activities so as to achieve early completion. The contractor is to deploy adequate equipment, machinery and labour as required for the completion of the entire work within the stipulated period as 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 condition 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.

38. ROYALTY

Royalty/Seigniorage Fee at the prevalent rates shall be deducted from the Bills payable to the Contractor, as per G.O. No. Ms. No. 18 dated 31.03.2022 issued by Industries and Commerce (M.I) Department, Government of Telangana state and issued by DM&G, Hyderabad Lr No 1247095/P/2021 dated 16.04.2022 (copy enclosed along with tender document), or as per consequent/latest G.O. if any, issued by the Government of Telangana State, on all materials such as boulders, metals, all sizes stone aggregates, brick aggregates, coarse and fine sand, moorum, river sand/ Manufactured sand, gravels and bajri etc. collected by him for the execution of the work. The rates quoted by the contractor shall be inclusive of such Royalty and taxes etc. and nothing extra shall be payable on this account.

39. 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.

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- (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 Act. 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.

40. RESPONSIBILITY OF CONTRACTOR

- (i) He 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 **Client**.
- (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.

41. CO-OPERATION WITH OTHER CONTRACTORS/SPECIALIZED AGENCIES/ SUB-CONTRACTORS.

- i) The contractor shall take all precautions to adhere by the environmental related restrictions imposed by any statutory body having jurisdiction over work site as well as prevent any pollution of streams, ravines, river bed and waterways. All waste or superfluous materials shall be transported by the contractor, entirely to the satisfaction of the Engineer-in-charge and disposed at designated places only. 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 occupants / users of adjoining buildings. No claims whatsoever on account of site constraints mentioned above or any other site constraints, lack of public transport, inadequate availability of skilled, semi-skilled or unskilled workers in the near vicinity, non-availability of construction machinery spare parts and any other constraints not specifically stated herein, shall be entertained from the contractor. Therefore, the tenderers are advised to visit site and get first-hand information of site constraints. Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.
- ii) The contractor shall cooperate with and provide the facilities to the sub-contractors and other agencies working at site for smooth execution of the work. The contractor shall indemnify the CPWD against any claim(s) arising out of any disputes. The contractor shall:

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- (a) Allow use of scaffolding, toilets, sheds etc.
 - (b) Properly co-ordinate their work with the work of other contractors.
 - (c) Provide control lines and benchmarks to his sub-contractors and the other Contractors.
 - (d) Provide electricity and water at mutually agreed rates.
 - (e) Provide hoist and crane facilities for lifting material at mutually agreed rates.
 - (f) Co-ordinate with other contractors for leaving inserts, making chases, alignment of services etc. at site.
 - (g) Adjust work schedule and site activities in consultation with the Engineer-in-Charge and other Contractors to suit the overall scheduled completion.
- Resolve the disputes with other contractors/ sub-contractors amicably and the Engineer-in-charge shall not be made an intermediary or an arbitrator.
- (iii) The work should be planned in a systematic manner so as to ensure proper coordination of various disciplines viz. water supply, drainage, rain water harvesting, electrical, fire fighting, information technology, communication & electronics and any other services.
 - (iv) Other Associated agencies may also simultaneously execute and install the works of sub-station / generating sets, air-conditioning, lifts, etc. for the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works at the time of casting of concrete, stone work and brick work, if required, and nothing extra shall be payable on this account.
 - (v) The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-In-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and in a proper coordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

42. 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.

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Principle Technical representative of the Contractor having minimum years' experience in similar nature of work as mentioned in the clause 32 of the General Conditions of the Contract, shall always be available at the site during the actual execution of the work. The recovery rate as mentioned in the clause 32 shall be affected from the Contractor in the event of not fulfilling this provision.

43. **SPECIALIZED AGENCIES**

Any specialized component of work in the project, for which expertise is lacking with the main contractor the same, shall be carried out in association with a specialized agency to be approved by the Engineer-in-charge.

(i) The composite bid comprises of two main components; viz, Civil work and Electrical work. The list of specialized items for Electrical work which is to be got executed through specialized agencies only.

The specialized agency should have successfully completed at least one work of similar nature and of appropriate magnitude commensurate to this work. Decision of Engineer In Charge shall be final and binding in this regard.

The contractor shall submit the following details of the specialized agency before execution of work for approval of Engineer In Charge:

List of similar works carried out by the agency during the last Seven years along with the name of work, name and address of clients, year of execution, value of work done and brief specification of the work. The credentials for such completed works shall be obtained from the Project Manager/Executive Engineer concerned along with contact address.

The main contractor shall submit the credential of specialized agency well in advance as per the direction of Engineer-in-charge. After verification of the same, written approval will be conveyed to main contractor in this regard. The quantum of credentials will be broadly in line with CPWD guidelines. The main contractor shall not change the specialized agency. However, if the change is warranted, he may do so, with permission of Engineer-in-charge. However, before making any such change, he has to enter into similar agreement as with previous agency & submit the same to Engineer – in – Charge for approval. This shall however be without any change in the accepted rates of the contract agreement and without any cost implications to the Department.

(ii) It shall be the responsibility of main contractor to sort out any dispute / litigation with the Specialized Agencies without any time & cost overrun to the Department. The main contractor shall be solely responsible for settling any dispute / litigation arising out of his agreement with the Specialized Agencies. The contractor shall ensure that the work shall not suffer on account of litigation/ dispute between him and the specialized agencies / sub-contractor(s). No claim of hindrance in the work shall be entertained from the Contractor on this account. No extension of time shall be granted and no claim what so ever, of any kind, shall be entertained from the Contractor on account of delay attributable to the selection/rejection of the Specialized Agencies or any dispute amongst them.

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44. RATES

- (i) The amount quoted by the Contractor are deemed to be inclusive of site clearance, setting outwork, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, 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, working during monsoon or odd season, working beyond normal hours, working at all depths heights, lead, lift, levels and location 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.
- (ii) **The amount quoted by the tenderer is inclusive of all taxes and levies including GST and nothing extra shall be payable.**
- (iii) Ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, 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 from local bodies etc., protection works, 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 **amount** 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, not withstanding 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 and thus not paid for.

45. 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 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.

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- 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 penalty @ Rs. 500/- per day will be imposed which will be recovered from the immediate next R/A Bill of the Contractor.
- iii) *Necessary protective and safety equipments such as helmet, safety shoes, gloves etc shall be provided to the Site Engineer, Supervisory staff, labour and technical staff of the contractor by the Contractor at his own cost and to be used at site.*
- iv) 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.
- v) The issue of construction safety & standards has gained utmost importance in recent times. This subject is to be dealt with in an integrated manner with an approach to developing and establishing a safety culture at work sites. Broadly, its components are:
- Creating awareness
 - Education
 - Training
 - Implementation
 - Enforcement measures.
- All workers of contractor and associate agencies, invariably and at all the times, must follow all safety norms, adopt safe construction practices and use all required safety gadgets in their working throughout the project duration.
- vi) The contractor shall issue **Photo Identity Cards** with unique numbers containing salient information of workers for the labour & his staff.
- vii) The contractor shall monitor and achieve the objectives of construction safety continuously, progressively and through affirmative action, and shall oversee implementation of safety program over the entire construction period.

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46. QUALITY ASSURANCE

- i) Contractor shall have to engage well-experienced skilled labour and deploy modern T&P and other equipment to execute the work. 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, not with-standing 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 and thus not paid for.
- ii) 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.
- iii) In addition to the supervision of work, CPWD Engineers/Client department officials shall also be carrying out regular and periodic inspection of the ongoing activities in the work and deficiencies, shortcomings, inferior workmanship pointed out by them shall be communicated by CPWD engineers to the contractor. Upon receipt of instructions from Engineer in Charge these are also to be made good by necessary improvement, rectification, replacement upto his complete satisfaction. Special attention shall be paid towards line and level of internal and external plastering, exposed smooth surface of RCC members by providing fresh shuttering plates, rubberized linings to all the shuttering joints, accurate joinery work in wooden doors and windows, thinnest joints in stone/ tiling / cladding work, non-hollowness in floor and dado tiles work, protection of scratches over flooring by impounding layer of plaster of Paris, water tight pipe linings, absence of hollow vertical joints in brick masonry, proper compaction of filled up earth etc. to achieve an Institution of International standards and up keeping of quality assurance shall be of paramount importance, as such.
- iv) The Contractor shall submit, within **15 days** after the date of award of work, a detailed and complete method statement for the execution, testing and Quality Assurance, of such items of works, as directed by the Engineer-in-Charge. All the materials to be used in the work, to make the finished work complete in all respects, shall comply with the requirements of the specifications and shall pass all the tests required as per specifications as applicable or such specifications / standards as directed by the Engineer-in- Charge. However, keeping the Quality Assurance in mind, the Contractor shall submit, on request from the Engineer-in-Charge, his own Quality Assurance procedures for basic materials and such items, to be followed during the execution of the work, for approval of the Engineer-in-Charge.
- v) The contractor shall at his own cost submit samples of all materials sufficiently in advance and obtain approval of Engineer-in-Charge. The materials to be used in 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.

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- vi) All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. The Contractor shall submit PO's of the all the materials to CPWD, prior to bringing them to site. Any Material brought to site without submission of PO to CPWD shall be rejected. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples as per suggested list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings of ISI Marked shall be used with the approval of Engineer-In-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge.

vii) SPECIAL CONDITION FOR HARDWARE AND SANITARY WARES:

- a) Engineer - in - charge will take a decision regarding model numbers of equivalent Door/Window hard ware/ Sanitary ware at the time of execution, in case the material, from the manufacturer whose model number is mentioned, is not available. However, in case, the equivalent model so approved, is cheaper than the model already mentioned in item /. Approved makes list, the price adjustment will be made based on the difference in market rate. In case, the rate of subsequently approved model is more, no extra payment will be made on this account.
- b) The following procedure should be followed in case of removal of rejected / Sub-standard materials from the site of work.
- i) Whenever any material brought by the contractor to the site of work is rejected, entry thereof should invariably be made in the site order book under the signature of the AE/AEE giving approximate quantity of such materials.
- ii) As soon as the material is removed, a certificate to that effect may be recorded by the AE/AEE against the original entry, giving the date of removal, mode of removal i.e. whether by truck, carts or by manual labour. If removal is by truck, the registration number of the truck should be recorded.

viii) SAMPLE OF MATERIALS:

- i) All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer - in - Charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer in charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples as per **List of Approved makes given in the tender document** for approval of Engineer in charge. For all other items, ISI Marked Materials and fittings shall be used with the approval of Engineer in charge. Wherever ISI marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes for the approval of Engineer - in - Charge.

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- ii) The contractor shall procure and provide all the materials from the manufacturers /suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, only when the specified make is not available. This is, however subject to documentary evidence produced by the contractor for non – availability of the brand specified and also subject to independent verification by the Engineer – in – charge. In exceptional cases, where such approval is required, the decision of Engineer – in – charge as regards equivalent make of the material shall be final and binding on the contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer – in – charge.
- iii) To avoid delay, contractor should submit samples / as stated above well in advance so as to give timely orders for procurement. 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. Samples including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer – in charge, well in advance of actual execution and shall be preserved till the completion of the work.
- iv) BIS marked materials except otherwise specified shall also be subjected to quality test besides testing of other materials as per the specifications described for the item / material. Wherever BIS marked materials are brought to the site of work, the contractor shall, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the material procured by the contractor for the incorporation in the work satisfies the provisions of specifications relevant to the material and / or the work done.
BIS marked items (except cement & steel for which separate provisions have been made) required on the work shall be got tested, for only important tests, which govern the quality of the product, as decided by the Engineer – in – charge. The frequency of such tests (except the mandatory test) shall be 5% of the frequency as specified in BIS. For mandatory test, frequency shall be as specified in the CPWD specifications.
- v) For certain items, if frequency of tests is neither mentioned in the CPWD specifications nor BIS, then tests shall be carried out as per directions of Engineer – in – charge.
- ix) The Contractor shall procure and provide all the materials from the manufacturers / suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, only when the specified make is not available. This is, however, subject to documentary evidence produced by the contractor for non-availability of the brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Engineer-in-Charge as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only

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after written approval of the Engineer-in-Charge. All materials whether obtained from Govt. stores or otherwise shall be got checked by the Engineer-in-Charge or his authorized supervisory staff on receipt of the same at site before use.

- x) 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.
- xi) **Lab Equipment:**
- (i) The contractor shall provide at his own cost suitable weighing, surveying and levelling and measuring arrangements as may be necessary at site for checking. All such equipment shall be got calibrated in advance from laboratory, approved by the Engineer - in- charge. Nothing extra shall be payable on this account. A site laboratory with minimum equipment as specified in NIT shall be established, made functional and maintained within 21 days from the award of the work without any extra cost to the department.
- xii) **FIELD LABORATORY:**
- The Contractor has to establish within 21 days from the award of work a field laboratory at site including all necessary equipments and skilled manpower for the Field Tests as indicated in the tender document at his own cost to have proper quality control. Rs.1,000/- per day shall be recovered from the contractor for any delay beyond the specified period. If contractor fails to establish lab within additional period of 15 days, the Engineer - in - Charge shall initiate action as deemed fit under relevant clauses of the agreement.
- xiii) 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 in the Central/State Govt. Institutes as approved by ADG/SDG. 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.
- xiv) **Maintenance of Material at Site (MAS) Register:-**
- (a) MAS register of the key materials including Cement, Steel Bitumen, Paint, Primer, Distemper, Varnishes, Tile Adhesive, Admixture, Anti termite chemical Water proofing compound material and other items as required by Engineer-in-Charge, and shall be maintained as per proforma in Appendix-XX of GCC. All the entries in the MAS registers are made by the designated staff of the contractor and same is reviewed weekly by the authorized representative and fortnightly by the Engineer-in-Charge. However, contractor is responsible for maintenance and safe custody of MAS register

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(b) The self-attested copies of tax paid bill of all the materials entered in the MAS register shall be submitted by the contractor at the time of review by representative of Engineer-in-Charge. In case of any doubt, genuineness of the tax paid bills; it can be verified by the representative of the Engineer-in Charge or the Engineer-in-Charge, however, onus of genuineness of tax id bills rests with the contractor.

xv) Maintenance of Register of Tests: -

- (i) All the registers of tests carried out a construction site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer – in – charge.
 - (ii) All samples of materials including Cement Concrete Cubes shall be taken jointly with Contractor by representative of the Engineer – in – charge. All the assistance shall be provided by the contractor. Cost of sample materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.
 - (iii) All the test in field lab setup at Construction Site shall be carried out by the Engineering Staff deployed by the contractor which shall be 100% witnessed by representative of the Engineer in charge.
 - (iv) All the entries in the registers will be made by the designated Engineering staff of the contractor and same should be regularly reviewed by Engineer in charge or his representative.
 - (v) Contractor shall be responsible for safe custody of all the test registers.
- xvi) 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.
- xvii) 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.
- xviii) All expenditure to be incurred for testing of samples e.g. packaging, sealing, transportation, loading, unloading etc., including testing charges shall be borne by the Contractor.**

In case of concrete and reinforced concrete work also the contractor shall be required to make arrangement for carrying out compression strength tests at his own cost. He shall render all assistance for the preparation of cubes, safe custody of the same, proper curing and carriage up to the laboratory where the test is to be performed.

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- xix) 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.
- xx) The work should be planned in a systematic manner so that chase cuttings in the walls, ceilings and floors is minimized. Wherever absolutely essential, the chase shall be cut using chase cutting machines. Chases will not be allowed to be cut using hammer / chisel. The electrical boxes should be fixed in walls simultaneously while raising the brick work. The contractor shall ensure proper co-ordination of various disciplines viz., building works, sanitary & water supply & electrical installations etc.
- xxi) Water tanks, taps, sanitary, 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.
- xxii) The contractor shall have to execute guarantee bonds in respect of water proofing works, Aluminium doors windows & ventilators work, Curtain/Structural Glazing works as per Performa enclosed.
- xxiii) 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 / firefighting equipments, fire sprinklers etc. and also testing water supply, sanitary 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.
- xxiv) Senior Officers of CPWD, Dignitaries from Central Ministry / Department, State Government and Client Department Authorities shall be inspecting the on-going work at site at any time with or without prior intimation. The contractor shall therefore, keep updated the following requirements and detailing:-
- (i) Display Board showing detail of work, weekly progress achieved with respect to targets, reason of shortfall, status of manpower, wages being paid for different categories of workers.
 - (ii) Entrance and area surroundings to be kept cleaned.
 - (iii) Display layout plan key plan, Building drawings including plans, elevations and sections.
 - (iv) Up to date displays of programme chart (Bar charts).
 - (v) Keep details of quantities executed, balance quantities, deviations, possible Extra item, Substituted item etc.
 - (vi) Keep plastic / cloth mounted one sets of building drawings.
 - (vii) Set of Helmets and safety shoes for safety,

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47. 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 latest version 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 drawings, “As Built Drawings” 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, Sanitary 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 will submit computerized measurement sheet for the work carried out by him for making payment as per Clause - 6 of the CPWD General Conditions of Contract 2023 construction (with correction slips up to the last date of submission of tender). 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.
- v) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

48. PROJECT PROGRAM CHART:

The Contractor shall prepare an integrated program chart within 15 (**Fifteen**) days of issue of acceptance letter including civil as well as E & M activities for the execution of work, Showing clearly all activities from the start of work to completion, with details of manpower, equipment and machinery required for the fulfillment of the program within the stipulated period and submit the same for approval of the Engineer-In-Charge within fifteen days of the award of the work. These shall be submitted by the contractor through electronic media besides forwarding hard copies of the same. The integrated program chart so submitted should not have any discrepancy with the physical milestones attached in the contract agreement.

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The program chart should include the following: -

- a) Descriptive note explaining sequence of various activities.
- b) Construction Program prepared on PRIMAVERA/ Software, which will indicate resources in financial terms, manpower and specialized equipment for every important stage.
- c) Program for procurement of materials by the contractor.
- d) Program for arranging and deployment of manpower both skilled and unskilled so as to achieve targeted progress.
- e) Program of procurement of machinery/equipment having adequate capacity, commensurate with the quantum of work to be done within the stipulated period, by the contractor.
- f) Program for achieving fortnightly micro milestones and periodic mile stones

ii. In case of non-compliance/delay in compliance in this, a penalty @ Rs. 5000/-per week or part basis thereof will be imposed which will be recovered from the immediate next R/A Bill of the Contractor.

iii. If at any time, it appears to the Engineer-In-Charge that the actual progress of work does not conform to the approved program referred above, the contractor shall produce a revised program showing the modifications to the approved program by additional inputs to ensure completion of the work within the stipulated time.

iv. The submission for approval by the Engineer-In-Charge of such program or the furnishing of such particulars shall not relieve the contractor of any of his duties or responsibilities under the contract. This is without prejudice to the right of Engineer-In-Charge to take action against the contractor as per terms and conditions of the agreement.

Submission of Progress Reports:

v. Apart from the above integrated program chart, the contractor shall be required to submit fortnightly progress report of the work in a computerized form on 1st and 16th of every month. The progress report shall contain the following, apart from whatever else may be required as specified above:

- a) Construction schedule of the various components of the work through a bar chart for the next two fortnights (or as may be specified), showing the micro-milestone/milestones, targeted tasks (including material and labour requirement) and up to date progress. At least 10 digital photographs showing all the parts of construction site along with at least 5 minutes video of executions of different items in soft copy has to be submitted in every fortnightly progress report.
- b) Progress chart of the various components of the work that are planned and achieved, for the fortnight as well as cumulative up to the fortnight under reckoning, with reason for deviations, if any in a tabular format.
- c) Plant and machinery statement, indicating those deployed in the work

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d) Man-power statement indicating:

- i. Individually the names of all the staff deployed on the work, along with their designations.
- ii. No. of skilled workers (trade wise) and total no. of unskilled workers deployed on the work and their location of deployment i.e. blocks.

e) Financial statement, indicating the broad details of all the running account payment received up to date, such as gross value of work done, advances taken, recoveries effected, amount withheld, net payments details of cheque payment received, extra/substituted/deviation items if any, etc.

vi) In case of noncompliance / delay in compliance in submission of fortnightly progress reports notwithstanding anything contained anywhere in this document or in CPWD-7/CPWD-8, a penalty @ Rs. 5000/- (Non -refundable) per fortnightly report will be imposed which will be recovered from the immediate next R/A Bill of the Contractor.

49. TEMPORARY WATER/ ELECTRICITY/ TELEPHONE CONNECTION

- i) 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 abide 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.
- ii) 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.
- iii) 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.

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50. 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 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.

50 INSPECTION OF WORK

In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by Senior Officers of CPWD/CTE and their representatives .The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge or other officers as stated above to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.

51 SUBMISSION OF AS-BUILT DRAWINGS

The contractor shall submit completion plan (4 sets) as required vide General Specifications for Electrical works (Part-I internal)2005 and (Part – II external) 1994 as applicable within thirty days of the completion of the work.

In case, the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum of 0.1% of Tendered value or Rs.50,000/- whichever is more may be fixed by the Chief Engineer concerned and in this respect the decision of the Chief Engineer shall be final and binding on the contractor.

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The Contractor shall submit completion plans for **Internal and External Civil, Electrical and Mechanical Services** within thirty days of the completion of the work, **provided that the service plans having been issued for execution by the Engineer - in - Charge, unless the contractor, by virtue of any other provision in the contract, is required to prepare such plans.**

52 REFUND OF PERFORMANCE GUARANTEE

The performance guarantee for the work shall be refunded to the contractor soon after the completion of the entire Construction works under this agreement and recording of the completion certificate for such agreement and submission of completion plans as constructed and subjected to submission of performance guarantee for Schedule II items as mentioned above.

53 DEFECT LIABILITY PERIOD (Refund of Security Deposit)

The defect liability / maintenance period shall be **12 months** after the date of completion work for this contract agreement except for the items specified separately like water proofing treatment, aluminium work etc. The Security Deposit shall be released after the defect liability period of **12 months** after completion of entire project work and for this the contractor shall have to produce a certificate stating that no defects are pending for rectification from the Engineer-in-Charge, but subject to other provisions specified elsewhere in the contract agreement.

54. 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 previous day of last date of submission of bids.
- ii) Unless otherwise specified in the schedule of quantities, the amount quoted 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 sources 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.
- iv) The sand, Coarse/manufacture sand/Pulverized Stone sand/ crushed stone sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The 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.

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- v) The amount quoted for this 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, all taxes, cess, GST, duties, levies etc. required for execution of the work.

55 DE-WATERING

- i) De-watering required, if any, shall be done conforming to BIS Code IS: 9759 (guide lines for de-watering during construction) and / or as per the specifications approved by the Engineer-in-Charge. Design of an appropriate and suitable dewatering system shall be the Contractor's responsibility. Such scheme shall be modified / augmented as the work proceeds based on fresh information discovered during the progress of work, at no extra cost. At all times during the construction work, efficient drainage of the site shall be carried out by the Contractor and especially during the laying of plain cement concrete, taking levels etc. The Contractor shall also ensure that there is no danger to the nearby properties and installations on account of such lowering of water table. If needed, suitable precautionary measures shall be taken by the Contractor. Also, the scheme of dewatering adopted shall have adequate built-in arrangement to serve as stand-by to attend to repair of pumps etc. and disruption of power / fuel supply. Nothing extra shall be payable on this account.
- ii) In trenches where surface water is likely to get into cut / trench during monsoons, a ring bund of puddle clay or by any other means shall be formed outside, to the required height, and maintained by the Contractor. Also, suitable steps shall be taken by the Contractor to prevent back flow of pumped water into the trench. Nothing extra shall be payable on this account.

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 tender 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

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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.

57 **Applicable Permits**

- i. The contractor(s) shall give to the Municipality, 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 levied 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.
 - ii. The contractor shall ensure that applicable permits mandated by the local bodies and in case warranted for this work are obtained as required under the Applicable Laws.
58. **Compliance of directives of Hon'ble National Green tribunal (NGT) dated 04.12.2014 and 10.04.2015 and EIA guidance manual issued in February 2010.**

The contractor shall comply with following guidelines on the matter in pursuance of orders passed by Hon'ble National Green Tribunal.

- 1) The contractor shall not store / dump construction material or debris on metalled road.
 - 2) The contractor shall get prior approval from Engineer-in-charge for the area where the construction material or debris can be stored beyond the metalled road. This area shall not cause any obstruction to the free flow of traffic / inconvenience to the pedestrians. It should be ensured by the contractor that no accidents occur on account of such permissible storage.
 - 3) The contractor shall take appropriate protection measures like raising wind breakers of appropriate height on all sides of the plot/area using CGI sheets or plastic and/or other similar material to ensure that no construction material dust fly outside the plot area.
- 1) The contractor shall ensure that all the trucks or vehicles of any kind which are used for construction purposes/or are carrying construction material like cement, sand and other allied material are fully covered. The contractor shall take every necessary precaution that the vehicles are properly cleaned and dust free to ensure that enroute their destination, the dust, sand or any other particles are not released in air/contaminate air.
 - 2) The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of construction material and construction debris to prevent inhalation of dust particles.
 - 3) The contractor shall provide all medical help, investigation and treatment to the workers involved in the construction of building and carry of construction material and debris relatable to dust emission.

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- 4) The contractor shall ensure that C&D waste is transported to the C&D waste site only and due record shall be maintained by the contractor.
- 5) The contractor shall compulsorily use of wet jet in grinding and stone cutting.
- 9) The contractor shall comply all the preventive and protective environmental steps as started in the MoEF guidelines, 2010.
- 10) The contractor shall carry out on-road-inspection for black smoke generating Machinery. The contractor shall use cleaner fuel.
- 11) The contractor shall ensure that all DG sets comply emission norms notified by MoEF.
- 12) The contractor shall use vehicles having pollution under control certificate. The Emissions can be reduced by a large extent by reducing the speed of a vehicle to 20 kmph. Speed bumps shall be used to ensure speed reduction. In cases where speed reduction cannot effectively reduce fugitive dust, the contractor shall divert traffic to nearby paved areas.
- 13) The contractor shall ensure that the construction material is covered by tarpaulin. The contractor shall take all other precaution to ensure that no dust particles are permitted to pollute air quality as a result of such storage.
- 14) Nothing shall be paid extra for fulfilling of all the above conditions.

59. Office Infrastructure:

1. Contractor shall provide Temporary office of size not less than 50 sqm with necessary table and chairs for field staff of Department as per directions of the Engineer in charge.
2. For quality control Measures, preparation of Bills and Monitoring the quality, the contractor shall provide one computer having Intel core i7 processor, MS-Windows – 10, A-3 Coloured Inkjet & A-4 Laserjet Printers, Scanners, UPS etc, with data entry operator in the site office of Engineer in charge.
3. The contractor shall make arrangement for Helmets and leather shoes (meant of construction work at sites) for all field staff of the department during the entire period of construction for safety reasons. One helmet and two pairs of shoes per staff member (maximum twelve members) of the department per year shall be arranged by the contractor.

60. DOCUMENTATION:

The Contractor shall render all help and assistance in documenting the total sequences of this project by way of photography, slides, audio / video recording & other records etc. Nothing extra shall be payable to Contractor on this account. However, cost of photographs, slides, audio / video graph etc., shall borne by the Department. The original films shall be the property of the Department. No copy shall be prepared without the prior approval of the Engineer in charge.

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61. ROAD:

- a) The contractor shall at his own expense and risk arrange land for accommodation of labour, setting 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 execution & completion of the work.

However, the departmental land, to the extent available maybe 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 direction of the Officer – 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 Officer in charge and no claim whatsoever, shall be entertained on this account.

- b) 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.

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Standard Operating Procedures (SOPs) and guidelines for COVID - 19

In response to COVID-19 outbreak, the following standard Operating Procedures (SOPs) and guidelines to ensure safety of construction site workers which shall be followed scrupulously. In addition to trained Supervisor(s), a Site Safety Representative (SSR) will be deployed at every site, to ensure that safety guidelines are followed. Necessary trainings will be given in advance to Supervisors and SSRs, so that they can train the workers further.

A. General Guidelines - Applicable to all:

1. The workers coming from outside will be required to self-declare their health profile as per Annexure - 1 and shall be quarantined for a period of at least 15 days, Mandatory.
2. Thermal Scanning of everyone entering and exiting a construction site will be done for fever with thermal scanners. If anyone leaves and re-enters the site during the shift, re-screening of the individual will be done prior to re-entry into the work site.
3. PPE and Other material requirement shall be provided as per Annexure - 2.
4. Provision for hand wash & sanitizer (touch free recommended) will be made at all entry and exit points and common areas (including at distant locations like higher floors). Everyone will be required to wash & sanitize his/her hands before entering the site and using PPEs. Same procedure to be followed after removing PPEs and exiting the premise. Sufficient quantities of all the items should be available at the site.
5. All Protocol including Emergency Response will be laid out. Periodic tailgate sessions will be arranged to review site protocols in view of highly dynamic scenario ensuring social distancing norms. During these sessions, everyone including workers will be informed about the safety guidelines and important updates. Necessary arrangements for announcements shall be made at every site.
6. Mandatory use of PPEs (face mask, hand gloves and other as applicable) by everyone entering the premise. Re-usable PPEs should be thoroughly cleaned and should not be shared with others.
7. Entire construction site including site office, labour camp, canteens, pathways, toilets, and entry / exit gates will be disinfected on daily basis. Housekeeping team should be provided with necessary PPEs.
8. There will be total Ban on non-essential visitors at sites (including from Head office staff, consultants etc.).
9. There will be strict ban on Gutka, Tambaku, Paan etc. on site and spitting shall be strictly prohibited.
10. Food should be consumed at designated areas only ensuring social distancing.

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11. Common sitting arrangements should be removed.
12. Post lunch, waste should be disposed by individual in designated bins and area should remain clean.
13. Areas with a probability of bigger gathering, for ex: cleaning area, toilets etc. should be identified and all arrangements should be made to ensure social distancing.
14. A doctor will be present periodically (at least once a week) at site on allotted time for any medical assistance.
15. Appropriate signage at construction site spelling out safety practices in the language which is understood by all.
16. Hospital/clinics in the nearby area, which are authorized to treat COVID- '19 patients, should be identified and list should be available at Site all the time.
17. For any confusion, clarification and update, everyone should approach designated authority or rely on authentic source.
18. Rumours shall be discouraged and offenders be warned.
19. An isolation room shall be created at site.

B. Guidelines for Workers:

1. On day 0, before resuming the work on site post lockdown period, mandatory medical check-up will be arranged for all workers. The workers coming from outside will be quarantined for a period of at least 15 days. Only medically fit workers will be deployed at site and medical assistance will be arranged for unfit workers. Medical checkup camp should be arranged every month.
2. The labours staying at site will not be allowed to go outside. All the essential items will be made available to labours at site only. If necessary, the workers can go out wearing PPEs, after informing supervisor. Similarly, no outside labour will be allowed at site without following proper procedure and instructions.
3. Start time on site will be staggered to avoid congestion at the entry gates. Number of workers working at a particular time / place will be reduced by making arrangements for different shifts / areas. Accordingly, additional staff such as security guards, supervisors etc. will be deployed.
4. As in most cases, workers reside at the Sites, hence there is no need for any travel. For Workers staying outside, (which are always nearby) special transportation facility will be arranged without any dependency on the public transport system.

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5. During attendance, training and other sessions, social distancing guidelines will be followed along with provision of no such attendance.
6. Workers should not shake hands when greeting others and while working on the site.
7. Workers shall avoid contact with sick people and avoid going to site if they are feeling sick, have fever, cough or shortness of breath. In such case, supervisor should be informed immediately.
8. Workers with such symptoms should not come to site and should be placed in isolation and medical assistance will be provided on immediate basis.
9. Mandatorily wear face masks while working on site. While not wearing masks, worker shall cover his mouth and nose with tissues.
10. Cough/sneeze should be done in the crook of one's arm and your elbow.
11. Avoid large gatherings or meetings of 10 people or more. Stay at least 6 feet away from others on job sites and in gatherings, meetings, and training sessions.
12. Not more than 2/4 persons (depending on size) will be allowed to travel in lifts or hoists. Use of staircase for climbing should be encouraged.
13. Workers should clean hands frequently by washing them with soap and water for at least 20 seconds. When hand washing isn't possible, alcohol-based hand sanitizer with greater than 60% ethanol or 70% isopropanol should be used.
14. Workers should not share their belongings like food, water bottles, utensils, mobile phones etc. with others.
15. The utensils should be washed properly post use at designated place.
16. Post work, workers should change their clothes before leaving the site and clothing should not be shook out.
17. Avoid touching eyes, nose, or mouth with unwashed hands.

C. Guidelines for Material, Tools, Machinery, Vehicles etc: -

1. Wipe down interiors and door handle of machines or construction vehicles, the handles of equipment and tools that are shared, with disinfectant prior to using.
2. Non-touch waste bin with disposable garbage bag should be installed for waste collection at all common access areas.

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3. Proper disposal of garbage should be ensured.
4. At all point of time, easy access to parking should be ensured since public transit is limited.
5. All construction material arriving at site should be left idle for 3 days before use to ensure safe usage.
6. All vehicles and machinery entering the premise should be disinfected by spray mandatorily.

D. Emergency protocol in case of detection of symptoms of COVID 19 to be observed by Project Manager of Contractor: -

1. Immediate shift worker to isolation room. Inform the Engineer-in-charge CPWD or his Nodal officer.
2. Call for a doctor.
3. Keep worker under observation for a few days in isolation room. In case of doubt act per advice of local doctor.
4. Covid testing shall be arranges as per instruction of Doctor and if so advised by Doctor move worker to Hospital.
5. Prevent rumours and take strict action against those who spread it.

E. Responsibility of various stakeholder

Responsibility of various stakeholders shall be as below:

S.No.	Designation	Responsibility
2	CPWD Nodal Officer as designated by Engineer in charge	To coordinate efforts on behalf of Engineer in Charge and ensure compliance of these SOPs. He shall send a daily confirmation of compliance of SOPs.
1	Project Manager of Contractor.	Over all responsibility of ensuring compliance of procedure and precautions in SOP. To submit daily compliance report to CPWD Nodal officer. To Designate a senior person as COVID Marshal and form a team under him.

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2	COVID Marshal (Nodal Officer)	To exclusively look after the implementation of all the precautions and procedure at work site and labour camps. To intimate daily requirement of PPEs, Sanitizers, disinfectants etc in their respective sections. Regular attendance of workers to ensure no one leaves the site. Permission from local authorities Ensuring Timely payment to workers/staff.
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Annexure 1

COVID - 19 (Coronavirus) Exposure Questionnaire for New Workmen

Name	Native (State, District / City, Village):
Age:	
Gender:	

Please answer the following questions with as much detail as possible:

1. Location/Travel Declaration

a. Please provide your locations/travel patterns over the past 14 days in Table below:

COUNTRY	CITY/VILLAGE	DATE ARRIVED / SINCE WHEN YOU HAVE BEEN IN THE LOCATION	DATE DEPARTED

2. Any cases of COVID-19 in your in the locations where you have been for last 14 days?

YES

NO

3. Are you, or have you been in close contact with anyone who has been quarantined or who has been diagnosed with novel coronavirus (SARS-CoV-2/COVID-19)?, If yes, please provide details.

YES

NO

4. Have you even been quarantined due to a possible exposure to novel coronavirus (SARA - CoV-2/COVID-19)? If yes, please provide dates and locations.

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YES**NO**

5. Have you experienced any of the following symptoms within the last 14 days?

- Any fever
- Cough
- Shortness of breath
- Malaise (flu-like tiredness)
- Rhinorrhea (mucus discharge from the nose)
- Sore throat
- Gastro – intestinal symptoms such as nausea, vomiting and / or diarrhea

If yes, to any of these, please indicate which and provide full information.

6. Are you currently in good health?

YES**NO****Declaration**

I confirm that the answers I have given are, to the best of my knowledge, true, and that I have not withheld any material information that may influence the assessment or acceptance of this application.

I agree that this form will constitute part of my application for insurance(s) and that failure to disclose any material fact known to me may invalidate my insurance(s).

Signature

Date

Time

Witness

Cor	NIL	Ins	NIL
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Annexure 2

PPE and other material requirement:

Sl. No.	List of items (Personal Sanitization)	At Stores	At Office	At workmen camp
1	Hand Sanitizer (min. 60% alcohol)	1 bottle (500mL) at all entrances and to be refilled on regular basis.	1 bottle (500mL) at all entrances and to be refilled on regular basis.	2 bottle (500mL) at all entrances and to be refilled on regular basis.
2	Alcohol based Soap Solution	To be made available on demand	To be made available on demand	2 bottle (500mL) at the front side of each camps visible & easy to access along with water availability for washing. Need to be refilled on regular basis.
3	Soap (100 gm)		1 No in each toilets and wash basins	1 No. to be distributed to each contractor workman once in a week.

Sl.No.	List of Personal Protective Equipment (PPEs)	Scope
1	Nose Mask & Paper Tissues	For all workmen (daily one for at least one month)
2	Face mask / Face shield/Goggles	For workmen involved in disinfection/sanitization activity (new one to be issued for each day activity) and COVID Marshal
3	Gloves (Nitrile)	For workmen involved in disinfection/ sanitization activity (new one to be issued for each day activity)
4	Coverall/Gowns (Nitrile)	For COVID Marshals and workmen involved in disinfection/sanitization activity (new one to be issued for each day activity)

Cor	NIL	Ins	NIL
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PARTICULAR SPECIFICATIONS

1.1 CLASSIFICATION OF SOILS FOR EARTH WORK IN EXCAVATION

The earth work shall be classified under the following categories and measured separately for each category.

a) All kinds of soils: Generally any strata, such as sand, gravel, loam, clay, mud, black cotton moorum, shingle, river or nallah bed boulders, siding of roads, paths etc. and hard core, macadam surface of any description (water bound, grouted tarmac etc.), lime concrete, mud concrete and their mixtures which for excavation yields to application of picks, shovels, jumper, scarifiers, ripper and other manual digging implements.

b) Ordinary rock: Generally, any rock which can be excavated by splitting with crow bars or picks and does not require blasting, wedging or similar means for excavation such as lime stone, sand stone, hard laterite, hard conglomerate and unreinforced cement concrete below ground level. If required light blasting may be resorted to for loosening the materials but this will not in any way entitle the material to be classified as 'Hard rock'.

c) Hard rock: Generally, any rock or boulder for the excavation of which blasting is required such as quartzite, granite, basalt, reinforced cement concrete (reinforcement to be cut through but not separated from concrete) below ground level and the like.

1.2 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. All expenses towards collection of samples, packing, transportation including testing charges etc. shall be borne by the contractor.

1.3 FORM WORK :

- a. The work shall be done in general as per CPWD Specifications.
- b. Only M.S. Centering/shuttering and scaffolding material unless & otherwise specified shall be used for all R.C.C. work to give an even finish of concrete surface. However, marine-ply shuttering in exceptional cases as per site requirement may be used on specific request from contractor to be approved by the Engineer-in-charge.
- c. Double steel scaffolding having two sets of vertical supports shall be provided for external wall finish, cladding etc. The supports shall be sound and strong, tied together with horizontal pieces over which scaffolding platform shall be fixed. Scaffolding shall have steel staircase for inspection works at upper levels.
- d. Nothing extra shall be paid for the centering and shuttering, circular in shape for the form work of any mean radius on the plan /elevation.
- e. In order to keep the floor finish as per architectural drawings and to provide required thickness of the flooring as per specifications, the level of top surface of RCC shall be accordingly adjusted at the time of its centering, shuttering and casting for which nothing extra shall be paid to the Contractor.
- f. As per general engineering practice, level of floors in toilets/bath, balconies, shall be kept 12 to 20mm lower than general floor as required. Shuttering should be adjusted accordingly. Nothing extra is payable on this account.

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Steel shuttering as approved by the Engineer-in-charge only shall be used by the contractor. Minimum size of shuttering plates shall be 600mm x 900mm except for the case when closing pieces required to complete the shuttering panels. Dented, broken, cracked, twisted or rusted shuttering plates shall not be allowed to be used on the work.

The shuttering plates shall be cleaned properly with electrically driven sanders to remove any cement slurry or cement mortar or rust. Proper shuttering oil or de-bonding compound shall be applied on the surface of the shuttering plates in the requisite quantity before assembly of steel reinforcement.

- g. For the execution of centering and shuttering, the contractor shall use propriety 'Reebol' chemical mould release agent of FOSROC or equivalent as shuttering oil as approved by Engineer-in-charge and nothing extra shall be paid on this account.
- h. Concreting of upper floor shall not be done until concrete of lower floor has set at least for 14 days but form work and reinforcement can be taken up after the concrete has set at least for three days.

- 1.4** In case of items not covered by the CPWD specifications referred to above, or particular specifications attached, reference shall be made to appropriate latest IS codes and the decision of the Engineer-in-Charge shall be final and binding on the contractor.

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

- 1.5** The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc., (F.P.S units wherever indicated are for guidance only).
- 1.6** All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries or any other source to be got approved by the Engineer-in-charge.

Fine Aggregate: -

- (i) The fine aggregate to be used for all items except in plastering work, shall be with Pulverized Stone Sand/ Crushed Stone Sand (Manufactured Sand) and shall be obtained from only approved sources. For Plastering Work, River Sand shall be used which shall be clean and sharp angular grit type. The 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.
- (ii) The contractor should find out the approved source/quarries at his end. To find out the approved source/quarries is the responsibility of contractor.
- (iii) Fine Aggregate to be used for cement concrete work i/c RCC, mortar for masonry and plaster work shall be of standard quality and shall be obtained from a source to be got approved from the Engineer-in-Charge and screened as required. It shall be clean and sharp angular grit type. In case of non availability of crushed stone sand, the agency may be permitted at the discretion of Engineer-in Charge to use river/quarry sand on their request on production of adequate proof of non availability of the same, provided it conforms to grading and other requirements given in CPWD specifications. The change in sand type or source would require revision of Mix Design of Concrete from the approved laboratories such as IIT Hyderabad/ JNTU Hyderabad/ NCCBM Hyderabad or any other laboratory approved by ADG/ SDG, for which nothing extra shall be paid. In case of use of crushed stone sand, all necessary precautions for CC work, RCC work, masonry work, and all other related works shall be taken by the agency as per relevant CPWD specifications and BIS codes without any extra cost. Nothing extra shall be paid for using river/quarry sand in place of crushed stone sand.

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- 1.7 Before taking up the finishing work such as Flooring, Plastering, sample unit of toilet, room etc, contractor shall prepare full-scale sample for large-scale repetitive items and get approved from Engineer-in-Charge before taking up for execution on large scale.
- 1.8 The contractor shall get the samples of various materials, fittings to be used in work approved well in advance from the Engineer-in-Charge before placing orders.
- 1.9 The contractor shall produce all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work.
- 1.10 The structural and architectural drawings shall at all times be properly correlated before executing any work. In case of any discrepancy in the items given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless otherwise given in writing by the Engineer-in-Charge.
- 1.11 The information and details given in the Architectural & Structural drawings, preliminary soil investigation report and mentioned herein and also elsewhere in the tender documents are being furnished for general information and guidance only. The Department in no case shall be held responsible for the inaccuracy thereof or any interpretation/ or conclusion drawn from them by the contractor.
- 1.12 The percentage rate quoted by the contractor / agency shall be inclusive of mobilization to site all necessary machineries and equipments, furnishing, handling, storing, installation including placing, cutting holes, splicing, driving, re-driving, bailing out water, pulling out and removal of the temporary earth retaining structure / strutting etc. from site and other machineries, equipments, instrumentations etc. men ,materials etc. , other incidental to works, for execution of work, with all safety measures as required for the execution of construction work for safety of surrounding existing buildings structures, parked / moving vehicles, equipments and machines etc. as per direction of Engineer-in-charge.

2.0 R.C.C.WORKS:

- 2.1 In respect of projected balconies, projected slabs at roof level and projected verandah, the payment for the RCC work shall be made under the item of RCC slabs. The payment for centering and shuttering of such items shall similarly be paid under the item of centering and shuttering of RCC slab.
- 2.2 Any cement slurry added over base surface or for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra shall be payable nor any extra cement shall be considered in cement consumption on this account.
- 2.3 **As per Technical Circular no.18 issued by CE(CSQ), CPWD, New Delhi vide no. G- 2/SE(QA)/CSQ/69 dated 12.2.2013, Ultrasonic Pulse Velocity Method of Test for RCC members is required to be conducted for CPWD works as a routine test. The acceptance criteria applicable is as per IS 13311 (Part I) 1992. It may be ensured that this test is carried out in 5% of RCC structural members, to ensure quality of concrete. "Good" and "Excellent" grading are acceptable and below these grading the concrete will not be acceptable.**

Wherever concrete is found with less than required quality as per acceptance criteria, repairs to concrete shall be made. Honeycombed areas and loose pockets shall be repaired by grouting using Portland cement Mortar/ Polymer Modified Cement Mortar/ Epoxy Mortar after chipping loose concrete in appropriate manner. In areas where concrete is found below acceptance criteria and defects are not apparently visible on surface, injecting approved grout in appropriate proportion

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using epoxy grout/acrylic polymer modified cement slurry made with shrinkage compensating cement/ plain cement slurry etc. shall be resorted to for repairs. Repair to concrete shall be done till satisfactory results are obtained as per the acceptance criteria by retesting of the repaired areas. If satisfactory results are not obtained, dismantling and relaying of concrete shall be done. Nothing extra shall be payable over and above the agreement item for executing such rectification works.

3.0 BRICK WORK

- 3.1 The brickwork shall be carried out with good quality fly ash cement bricks of class designation 7.5. The physical properties shall conform to those of Fly Ash cement bricks as per CPWD Specifications.
- 3.2 The rate shall also include for leaving chases / notches for dowels / cramps for all kinds of cladding to come over brick work.
- 3.3 Brick work provided around shaft or lift walls or around slab cutouts shall be measured in the brick for corresponding floor level. Nothing extra shall be paid on this account.

2.0 FLOORING:

- 2.1 All work in general shall be carried out as per CPWD Specifications (Volume 1) 2019 with up-to-date correction slips.
- 2.2 Whenever flooring is to be done in patterns of tiles and stones, the contractor shall get samples of each pattern laid and approved by the Engineer-in-charge before final laying of such flooring. Nothing extra shall be payable on this account.
- 4.3 Different stones / tiles used in pattern flooring shall be measured separately as defined in the nomenclature of the item and nothing extra for laying pattern flooring shall be paid over and above the quoted rate. No additional wastage, if any, shall be accounted for any extra payment.
- 4.4 Samples of flooring stones/ Tile (Kota/ Marble/ Granite/ Ceramic tiles/ Vitrified tiles etc.) shall be deposited well in advance with the Engineer-in-Charge for approval. The sizes of stones for flooring shall be of a size not less than 600mmx600mm or as approved by Engineer-in-Charge. Approved samples should be kept at site with the Engineer-in-Charge and the same shall not be removed except with the written permission of Engineer-in-Charge. No payment whatsoever shall be made for these samples.
- 4.5 The Marble/ Kota/ Granite or any other stone shall be fully supported by the details establishing the quarry and its location or source.
- 4.6 The rate of items of flooring is inclusive of Providing Sunken Flooring in Bathrooms, Kitchen, W.C., etc. and nothing extra on this account is admissible.
- 4.7 Chasing of required width and thickness shall be made in brick work at skirting location so as to flush the external surface of skirting with internal plastering. No extra payment towards making chases in brick work at skirting shall be made and the same is presumed to be inclusive of rate quoted for the item of providing and fixing skirting.

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- 4.8 Single piece of granite stones shall be used for staircase, treads / risers and nothing extra shall be paid in this account.
- 4.9 Proper gradient shall be given to flooring for toilets, verandah, kitchen, courtyard etc. so that the wash water flows towards the direction of floor trap. Any reverse slope if found, shall be made good by the contractor by ripping open the floor/grading concrete and nothing shall be paid for such rectifications.
- 4.10 The flooring and skirting will be executed as per pattern shown in the Architectural drawings and as per approval of Engineer-in-Charge and nothing extra shall be payable on this account.
- 4.11 The rate shall include the cost of all materials and labour involved in all the operations. Nothing extra shall be paid for use of cut/sawn stone/ tiles in the work.
- 4.12 **Vitrified Tile Flooring**
- 4.12.1 The tiles shall be of approved make and shall generally conform to Table 12 of IS15622.
The full body Vitrified tiles of specified sizes shall be used & sample of tiles shall be got approved from the Engineer-in-Charge. The Mandatory tests for vitrified tiles shall be got done as per CPWD Specifications (volume-1)/relevant BIS Code.
- 4.12.2 The vitrified tiles shall be as specified in the item. The tiles shall be of specified colours as shown in the drawings or as approved by Engineer-in-Charge and will be laid in pattern as per architectural drawings. Nothing extra shall be paid for laying tiles in specific pattern. The tiles shall be of first quality of approved make.

FINISHING

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.

5.0 WATER SUPPLY AND SANITARY INSTALLATIONS:

- 5.1 The centrifugally cast (spun) iron S&S pipe, Hub less pipes and G.I pipe / CPVC Pipes/ SWR Pipes wherever necessary shall be fixed to RCC columns, beams etc. with steel dash fastener and nothing extra shall be paid for this.
- 5.2 The contractor shall be responsible for the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferages and breakage during the period of installation and thereafter until the building is handed over.
- 5.3 The fixing and jointing of vertical CI/SCI pipes/Stacks shall be done on MS brackets as per TECHNICAL CIRCULAR No. 20 Dated 16-04-2013, issued by SE (QA), CSQ, CPWD, New Delhi. A copy of Sketch / Figure showing Fixing Details of Vertical Pipes / Stacks is attached. The piping stack shall be installed at least 50mm, away from the finished / plastered shaft wall. The Item of Brackets and Clamps shall be paid for separately. From floor traps to outside CI fittings only single piece connection pipe shall be used.

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6.0 WATER PROOFING TREATMENT
6.1 IN SUNKEN/DEPRESSED FLOOR SLABS
6.1.1 INTEGRAL WATER PROOFING TREATMENT

6.1.1.1 The specification given for the roof surface shall apply for treatment of sunken floor slabs except that instead of brick bats, well burnt brick aggregates of about 40 mm, size shall be used and rounding and tapering at junctions of floor and beam/wall shall be done to a height of 300 mm, The finishing layer of 20 mm. thick cement mortar and cement slurry shall be continued on the vertical surfaces for the entire sunken portion. The finished surface shall be true to line/ level and gradient as specified and of the required thickness.

6.1.1.2 Water proofing treatment shall be cured for 10 days.

6.1.1.3 Before the water proofing treatment is done it shall be ensured that the outlet pipes are properly fixed and the gap between the wall and pipes are properly filled with brick/stone aggregate and cement mortar admixed with proprietary water proofing compound and grouted with cement slurry admixed with proprietary water proofing p[compound by injection process.

6.1.2 MEMBRANE WATER PROOFING TREATMENT

6.1.2.1 The work in general shall be carried out as per CPWD Specifications or / as per Manufacturer's Specifications. The Applicators authorized by the manufacturers shall only be engaged in the work.

6.1.2.2 Before the water proofing treatment is done it shall be ensured that the outlet pipes are properly fixed and the gap between the wall and pipes are properly filled with brick/stone aggregate and cement mortar admixed with proprietary water proofing compound and grouted with cement slurry admixed with proprietary water proofing compound by injection process.

6.2 ON TERRACE/ROOF/BALCONIES ETC

6.2.1 The work in general shall be executed as per Manufacturers Specifications or CPWD Specifications as applicable.

6.2.2 Total quantity of the water proofing compound required shall be arranged only after obtaining the prior approval of the Engineer in Charge in writing. Materials shall be kept under double lock and key and proper account of water proofing compound used in the work shall be maintained. It shall be ensured that the consumption of the compound is as per specified requirements.

6.2.3 The finished surface after water proofing treatment for floor in sunken portion shall have minimum slope of 1 in 48 unless otherwise decided by the Engineer in Charge.

6.2.4 Before commencement of treatment on floor surface, it shall be ensured that outlet drain/spouts have been fixed and the spout openings have been eased and rounded off properly for easy flow of water.

6.2.5 Contractor shall associate himself with anyone of the specialist firms relating to the water proofing treatment with the approval of Engineer in charge.

6.2.6 **Water proofing treatment of all types of work: The Contractor(s) shall submit for the approval of the Engineer-in-Charge, the names of specialized agencies, of repute along with their technical & financial capability proposed to be engaged by him within three months from the date of award who have executed satisfactorily at least one similar work of equal or more magnitude or two similar works of minimum 50% magnitude (Financial) of water proofing items in the agreement during the last seven years.**

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6.3 Guarantee for water proofing works:

Five years guarantee bond in prescribed proforma (**Annexure-IV**) attached herewith shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their liability/liabilities under the guarantee bond. However, the sole responsibility of above efficiency of water proofing treatment shall rest with the building contractor. Separate guarantee bonds shall be submitted by the contractor for different type of water proofing works. **Additional 5% (five percent) of the cost of water proofing work (other than Security Deposit mentioned in schedule E) shall be retained as security deposit** and the amount so withheld would be released after **five** years from the date of expiry of defects liability period under the agreement, if the performance of the work done is found satisfactory. If any defect is noticed during the guarantee period, it shall be rectified by the contractor within 7(**seven**) days of receipt of intimation of defects pointed out, and if not attended within the specified period, the same will be got done from other Agency/Agencies at the risk and cost of contractor. While attending to the rectification work, the Contractor is responsible to restore and make good any collateral damages likely to occur, to its original specifications. The cost of executing these contiguous works while attending the rectification works shall be borne by the contractor. The security deposit against this item of work shall be in addition to the security deposit mentioned elsewhere in contract form.

7.0 CONDITIONS FOR CEMENT AND STEEL REINFORCEMENT:

Contractor has to procure Cement and Steel and has to produce manufacturers test certificate and challan for each lot of Cement & Steel Reinforcement procured at site.

7.1 CEMENT:-

The contractor shall procure Ordinary Portland Cement (OPC) 43 grade conforming to IS: 8112 as required in the work from reputed manufacturers of cement such as ACC, Ultratech, Shree Cement, Ambuja, Jaypee Cement, Vikarm, Century, J.K. Cement, Chettinad, Penna Cement, Bharati cement, Nagarjuna, and Maha or from any other reputed cement manufacture having a production capacity not less than 1 million Ton per annum as approved by ADG, Hyderabad Region, CPWD, Hyd / Chief Engineer- Hyderabad, CPWD, Hyderabad. Supply of cement shall be taken in 50kg bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so. If the contractor uses Pozzolana Portland Cement (PPC) in lieu of Ordinary Portland cement (OPC) necessary cost adjustment shall be made. The cement of approved make as aforesaid in 50 kg bag bearing manufacturer's name and ISI marking, along with manufacturers test certificate for each lot shall be procured by the contractor. It shall be noted that, if the contractor uses higher grade of cement, nothing extra shall be paid.

- a) IS:456-2000 Code of Practice for Plain and Reinforced Concrete (as amended up to date) shall be followed in regard to Concrete Mix Portion and its production as under:
 - i. The concrete mix design shall be done as "Design Mix Concrete" as prescribed in clause-9 of IS 456 mentioned above.

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- ii. Concrete shall be manufactured in accordance with clause 10 of above mentioned IS:456 covering quality assurance measures both technical and organizational, which shall also necessarily require a qualified Concrete Technologist to be available during manufacture of concrete for certification of quality of concrete.
 - b) Minimum M30 grade of RMC/BMC concrete shall be used in all structural elements of RCC, both in load bearing and framed structure.
 - c) While using OPC for structural concrete work, no further admixing of fly ash shall be permitted, unless otherwise specified in the item.
- 7.2 The Supply of cement shall be taken in 50Kg bags bearing manufacturer's name, batch No. and ISI marking, samples of cement shall be taken by the Engineer-in-Charge or his authorized officer in the presence of the contractor or his authorized representative and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the sample cement does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his own risk and cost within a week's time of written order from the Engineer-in-Charge to do so. and no payment what so ever may be paid to the contractor in this regard.
- 7.3 The contractor shall supply free of charge the cement required for testing including its Transportation to testing laboratories. **The cost of tests shall be borne by the Contractor.**
- 7.4 The cement shall be brought at site in bulk supply of approximately 50 tones or as decided by the Engineer-in-Charge.
- 7.5 The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made.
- 7.6 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The cement shall facilitate the inspection of the cement godown by the Engineer-in-charge at any time.
- 7.7 The Cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing.
- 7.8 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid their in. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption, no adjustment needs to be made.
- 7.9 The 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.
- 7.10. The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

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8.0 SPECIAL CONDITION FOR STEEL REINFORCING BARS TO BROUGHT BY THE CONTRACTOR:

- 8.1 The contractor shall procure only ISI marked TMT bars Fe 500D grade or more from the steel Manufactures such as SAIL, TATA, RINL, JSPL, JSW Or any other Manufacturers approved by Spl. DG(SR), CPWD, Chennai.
- 8.2 For reinforced cement concrete or pre-stressed concrete works, the reinforcement bars shall consist of the following grades conforming to IS: 1786: 2008 (Indian Standard specification for high strength deformed steel bars and wires for concrete reinforcement): Fe 415, Fe 415D, Fe 415S, Fe 500D, Fe 500S and Fe 550D.
- 8.3 The contractor shall obtain manufacture's certificate stating the process of manufacture, chemical composition and test sheet giving result of each mechanical test applicable to the material purchased and submit it to the Engineer in charge. Each test certificate shall indicate the number of the cast to which it applies, corresponding to the number or identification mark to be found on the material.
- 8.4 The Engineer in charge or his authorized officer shall get each consignment tested for both chemical composition and physical properties (including bend and re-bend test) as specified in IS:1786 from NABL accredited laboratory or any Government Laboratory.
- 8.5 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that sample of steel does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his own risk and cost within a week's time from written orders from the Engineer-in-Charge to do so and no payment whatsoever in this regard shall be made by the Department.
- 8.6 The steel reinforcement shall be brought to the site in bulk from manufacturers along with test certificate of each lot supply of 10 tons or more or as decided by the Engineer-in-Charge.
- 8.7 The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion & corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 8.8 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below.

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

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Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

8.9 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. **The cost of tests shall be borne by the Contractor.**

8.10 **The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 38 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations leading to under designing of the structure, the work shall be summarily rejected, otherwise recovery at the rate so prescribed shall be made after ensuring structural soundness and stability. In case of excess consumption, no adjustment needs to be made.**

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

8.12 The standard sectional weights referred to as in Table 5.4 in para 5.3.4 in CPWD Specifications will be considered for conversion of length of various sizes of M.S. Bars, Steel Bars and T.M.T. bars into Standard Weight.

8.13 Records of actual Sectional weights shall also be kept dia-wise and lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight. However, for the stipulated issue of steel reinforcement up to and including 10mm diameter bars, the actual weight of steel issued shall be modified to take into account the variation between the actual and the standard coefficients and the contractors' accounts will be debited by the cost of modified quantity.

8.14 (a) If the Derived Weight as in sub-para above is less than the Standard Weight as in Sub-para above then the Derived Actual Weight shall be taken for payment provided, if it is within the following tolerances specified in IS1786-2008, otherwise whole lot will be rejected.

Tolerances on Nominal Mass

Nominal Size in mm	Batch	Tolerance Nominal mass Percent	
		on Individual Sample*	Individual sample for coil**
Up to and including 10	+7 %	-8 %	+8 %
Over 10 up to and Including 16	+5 %	-6 %	+6 %
Over 16	+3 %	-4 %	+4 %

* For individual sample plus tolerance is not specified.

**For coils batch tolerance is not specified.

b) If the Derived Actual Weight is found more than the Standard Weight, the Standard Weight as per in sub-para above shall be taken for payment. In such case nothing extra shall be paid for the difference between the Derived Actual Weight and the Standard Weight.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

8.15 The contractor shall submit original vouchers from the manufacturer for the total quantity of steel supplied under each consignment to be used in the work. All consignment received at the work site shall be inspected by the Site staff along with the relevant documents before acceptance. The contractor shall obtain Original Vouchers and Test Certificates and furnish the same to the Engineer-in-Charge in respect of all the lots of steel brought by him from approved supplier to the site of work. The original vouchers and test certificates shall be defaced by the Site staff and kept on record in the site office.

8.16. The contractor should use factory made round type cover blocks for all RCC works to avoid displacement of bars in any directions and to ensure proper cover.

9. **TOOLS AND PLANTS.**

The necessary T&P shall be deployed by the contractor as required to facilitate and ensure the work to be completed smoothly within the stipulated scheduled time.

10. **R.C.C. WORK (DESIGN MIX CONCRETE)**

The term machine batched, machine mixed and machine vibrated design mix cement concrete used in the document shall mean the concrete produced in fully automatic concrete batching & mixing plant, placed in position by the concrete pump and vibrated by surface vibrator/ needle vibrator/ plate vibrator, as the case may be to achieve the required strength and durability.

Before start of RCC work concrete Mix Design shall be got done by the contractor from a NABL accredited laboratory/ IIT/ NIT/JNTU laboratory with the approval of Engineer-in-Charge. The RCC Work shall be carried out as per the Mix Design approved by the Engineer-in-charge. No concreting shall be done until the mix design is approved.

GENERAL: -

- (i) The RCC work shall be done with RMC of Design Mix Concrete, unless otherwise specified in the nomenclature of items, wherever letter M has been indicated, the same shall imply for the Design Mix Concrete. **The Ready-Mix Concrete shall be as per IS: 4926 and as per CPWD Specification and guide lines.** For the nominal mix in RCC, CPWD specification shall be followed. **The Design Mix Concrete will be designed based on the principles given in IS : 456, 10262 and SP 23.** The contractor shall carry out design mixes for each class of concrete indicating that the concrete ingredients and proportions will result in concrete mix meeting requirements specified. The cement shall be actually weighed as presumption of each bag having 50 kg shall not be allowed. In case of use of admixture, the mix shall be designed with these ingredients as well.

The specification mentioned herein below shall be followed for Design Mix Concrete.

INGREDIENT

- i) Coarse Aggregate: - As per CPWD Specifications
Fine Aggregate: - As per CPWD Specifications.
Water: - As per requirements laid down in IS 456-2000 and CPWD specifications.
Cement: Cement arranged by the contractor will be OPC (in bags) conforming to IS: 8112.
- ii) Admixture: - Type of Admixture shall be got approved from Engineer-in-Charge. Admixtures of approved quality shall be mixed with concrete to achieve the desired workability within specified water cement ratio. The admixture shall conform to IS: 9103. The chloride content in the admixture shall satisfy the requirement of BS: 5075. The total amount of chlorides in the admixture mixed concrete shall also satisfy the requirements of IS : 456-2000

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

- iii) The contractor shall not be paid anything extra for admixture required for achieving desired workability without any change in specified water cement ratio for RCC / CC work.
- iv) Grade of concrete:- The characteristic compressive strength of various grades of Concrete shall be given as below:-

Sl. No	Grade Designation	Compressive strength on 15cm cubes min 7 days (N/mm ²)	Specified characteristic compressive strength at 28 days (N/mm ²)	Minimum cement content * (Kg per cum)	Maximum water cement ratio
(i)	M-25	As per mix Design	25	330	0.50
(ii)	M-30	As per mix Design	30	350	0.45
(iii)	M-10	As per mix Design	10	220	0.60

The Concrete mix will be designed for minimum workability as specified in para 7 of IS-456-2000

- v) WORKABILITY OF CONCRETE (UNLESS OTHERWISE SPECIFIED ELSEWHERE OR AS DECIDED BY ENGINEER IN CHARGE.

Placing Conditions	Degree of Workability	Slump (mm)
(1)	(2)	(3)
Lightly reinforced sections in slabs, beams, walls, columns	Low	25-75
Heavily reinforced section in slabs, beams, walls, columns.	Medium	50-100
Pumped concrete	Medium	75-100

- vi) The recommended values of slump for various members to confirm IS 456
- vii) In the designation of concrete mix letter M refers to the mix and the number to the specified characteristic compressive strength of 15 cm - Cube at 28 days expressed in N/mm².
- viii) The concrete design mix with or without admixture will be carried out by the Contractor and got tested by any reputed approved NABL accredited laboratory/ university as per direction of Engineer-In-Charge.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

For such approval various ingredients for mix design as submitted by contractor shall be sent to the lab/ test houses through the Engineer-In-Charge of the project and got it tested in approved laboratories as may be decided by the Engineer-in-charge. Sample aggregate sent shall be preserved at site by the department. For each different set of coarse aggregates & Fine aggregates, fresh design shall be done and got approved by the Department. The admixture if used by contractor shall be at his own cost without any extra payment.

ix) * Note: **The Cement content means ordinary Portland cement of 43 grade.**

- x) In case of change of source or characteristic properties of the ingredients used in the concrete mix during the work, a revised laboratory mix design report conducted in approved Lab. by Engineer-In- Charge shall be submitted by the contractor as per the direction of the Engineer in charge.
- xi) In case of failure of batching plant and **site conditions warrants for smooth progress of work, RMC of suitable design mix may be allowed with the written permission of Engineer-in-charge, and with no claim of extra cost from the contractor.**

11 APPROVAL OF DESIGN MIX

- (i) The mix design for a specified grade of concrete shall be done for a target mean compressive strength $T_{ck} = F_{ck} + 1.65s$
Where F_{ck} = Characteristic Compressive Strength at 28 days =
Standard deviation which depends on degree of quality control.
- (ii) The degree of quality control for this work is “good” for which the standard deviation (s) obtained for different grades of concrete shall be as per IS relevant IS Standards/ Codes.
- (iii) Out of the six specimen of each set, three shall be tested at seven days and remaining three at 28 days. The preliminary tests at seven days are intended only to indicate the strength to be attained at 28 days.

12. CHARGES FOR DESIGN MIX

- (i) All cost of mix designing and testing connected therewith including charges payable to the laboratory shall be borne by the Contractor.

13. DESIGN MIX CONCRETE FROM FULLY AUTOMATIC COMPUTERISED CONCRETE BATCHING AND MIXING PLANT

- 13.1 The contractor shall bring Ready Mix Concrete from approved RMC plants as mentioned in the list showing preferred Brands/ Manufacturers/Makes enclosed in this NIT. The contractor has to produce text of MOU proposed to be entered between purchaser (the contractor) and supplier (R.M.C. plant) to the Engineer-in-charge. The Engineer-in-charge shall give approval in writing. The contractor shall draw the MOU with approved RMC plant owner / company and submit to Engineer-in-charge within a week of such approval. The contractor will not be allowed to purchase ready mixed concrete without completion of above stated formalities for use in this project.
- 13.2 Notwithstanding the approval granted by Engineer-in-charge in aforesaid manner, the contractor shall be fully responsible for quality of concrete including input control, transportation and placement etc.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

- 13.3 In case of site batched design mix cement concrete plant is installed, the capacity of batching and mixing plant shall be 30 cum/hour with minimum 2 Nos. of Transit mixer and concreting pump along with other necessary equipments required for doing concrete work without any hindrance.
- 13.4 The Engineer-in-charge will reserve right to inspect at any such stage and reject the concrete if he is not satisfied about quality of product. The contractor should therefore draw MOU / agreement with RMC owner / company very carefully keeping all terms and conditions / specifications forming a part of this tender document.
- (i) The Engineer-in-charge reserves the right to exercise control over the ingredients, water and admixtures purchased, stored and to be used in the concrete including conducting of tests for checking quality of materials, recordings of test results and declaring the materials fit or unfit for use in production of mix.
 - (ii) Calibration check of the RMC/BMC.
 - (iii) Weight and quantity check on the ingredients, water and admixtures added for batch mixing.
 - (iv) Time of mixing of concrete.
 - (v) Testing of fresh concrete, recordings of results and declaring the mix fit or unfit for use. This will include continuous control on the workability during production and taking corrective action.
- 13.5 For exercising such control, the Engineer-in-charge shall periodically depute his authorized representative at the RMC/BMC plant. It shall be responsibility of the contractor to ensure that all necessary equipment manpower & facilities are made available to E-in-C and/ or his authorized representative at RMC/BMC plant.
- 13.6 Ingredients, admixtures & water declared unfit for use in production of mix shall not be used. A batch mix found unfit for use shall not be loaded into the truck for transportation.
- 13.7 All required relevant records of RMC/BMC shall be made available to the Engineer-in-charge or his authorized representative. The E-in-C shall, as required, specify guidelines & additional procedures for quality control & other parameters in respect of materials and production & transportation of concrete mix, which shall be binding on the contractor & the RMC plant.
- (i) **Proportioning Concrete**
In proportioning cement concrete, the quantity of both cement and aggregates shall be determined by weight. The cement shall be weighed separately from the aggregates. Water shall either be measured by volume in calibrated tanks or weighed. All measuring equipment shall be maintained in a clean and serviceable condition. The amount of mixing water shall be adjusted to compensate for moisture content in both coarse and fine aggregates. The moisture content of aggregates shall be determined in accordance with IS: 2386 (Part III). Suitable adjustments shall also be made in the weights of aggregates to allow for the variation in weight of aggregates due to variation in moisture content.

14. **Production of Concrete**

The concrete shall be RMC/BMC produced in a central batching and mixing plant with, computerized printing for contents and admixture dosage. The batching plant shall be fully automatic. Automatic batcher shall be charged by devices which, when actuated by a Single starter switch will automatically start the weighing operation of each material and stop automatically, when the designated weight of each material has been reached. The batching plant shall have automatic arrangement for dispensing the admixture and shall also be capable of discharging water in more than one stage. A print out from the batching plant for every lot shall be submitted. A batching plant essentially shall consist of the following components: Separate storage bins for different sizes of aggregates, silo for cement; and water storage tank.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Batching equipment Mixers Control panels Mechanical material feeding and elevating arrangements

The Contractor shall arrange for inspection of automatic batching plant within seven days of issue of letter of award to facilitate inspection and approval of same by Engineer-In-Charge. Nothing extra will be paid for this.

The compartments of storage bins for aggregates shall be approximately of equal size. The cement compartment shall be centrally located in the batching plant. It shall be watertight and provided with necessary air vent, aeration fittings for proper flow of cement & emergency cement cut off gate. The aggregate and sand shall be charged by power operated centrally revolving chute. The entire plant from mixer floor upward shall be enclosed and insulated. The batch bins shall be constructed so as to pass by self-cleansing during drawdown. The batch bins shall in general conform to the requirements of IS :4925.

The batching equipment shall be capable of determining and controlling the prescribed amounts of various constituent materials for concrete accurately i.e. water, cement, sand, individual size of coarse aggregates etc. The accuracy of the measuring devices shall fall within the following limits.

Measurement of Cement	$\pm 2\%$ of the quantity of cement in each batch
Measurement of Water	$\pm 3\%$ of the quantity of water in each batch
Measurement of Aggregate	$\pm 3\%$ of the quantity of aggregate in each batch
Measurement of Admixture	$\pm 3\%$ of the quantity of admixture in each batch

i. Mixing Concrete

The mixer in the batching plant shall be so arranged that mixing action in the mixers can be observed from the operator's station. The mixer shall be equipped with a mechanically or electrically operated timing, signaling and metering device which will indicate and assure completion of the required mixing period. The mixer shall have all other components as specified in IS: 4925.

ii. Transportation, Placing and Compaction of Concrete.

- a) Mixed concrete from the batching plant shall be transported to the point of placement by transit mixers or through concrete pumps or steel closed bottom buckets capable of carrying 6 cum concrete. In case the concrete is proposed to be transported by transit mixer, the mixer speed shall not be less than 4 rev/ min. of the drum nor greater than a speed resulting in a peripheral velocity of the drum as 70 m / minute at its largest diameter. The agitating speed of the agitator shall be not less than 2 rev / min. nor more than 6 rev / min. of the drum. The number of revolutions of the mixing drum or blades at mixing speed shall be between 70 to 100 revolutions for a uniform mix, after all ingredients, have been charged into the drum. Unless tempering water is added, all rotation after 100 revolutions shall be at agitating speed of 2 to 6 rev / min. and the number of such rotations shall not exceed 250. The general construction of transit mixer and other requirements shall conform to IS: 5892.

Cor	NIL	Ins	NIL
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- b) In case concrete is to be transported by pumping, the conduit shall be primed by pumping a batch of mortar / thick cement slurry through the line to lubricate it. Once the pumping is started, it shall not be interrupted (if at all possible) as concrete standing idle in the line is liable to cause a plug. The operator shall ensure that some concrete is always there in the pump-receiving hopper during operation. The lines shall always be maintained clean and shall be free of dents.
- c) Materials for pumped concrete shall be batched consistently and uniformly. Maximum size of aggregate shall not exceed one-third of the internal diameter of the pipe. Grading of aggregate shall be continuous and shall have sufficient ultra fine materials (materials finer than 0.25mm). Proportion of fine aggregates passing through 0.25mm shall be between 15 & 30% and that passing through 0.125 mm sieve shall not be less than 5% of the total volume of aggregate. When pumping long distances and through hot weather, set- retarding admixtures may be used. Admixtures to improve workability can be added. Suitability of concrete shall be through pumping shall be verified by trial mixes and by performing pumping tests.

iii PREPARATION OF MIXES AS PER APPROVED DESIGN MIX AND CONDUCTING CONFIRMATORY TEST AT FIELD LAB.

- a) The contractor shall make the cubes of trial mixes as per approved Mix design at site laboratory for all grades, in presence of Engineer in charge using sample of approved materials proposed to be used in the work prior to commencement of concreting and get them tested in his presence to his entire satisfaction for 7 days and 28 days. Test cubes shall be taken from trial mixes as follows.

For each mix, a set of six cubes shall be made from each of the three consecutive batches. Three cubes from each set of six shall be tested at age of 7 days and remaining three cubes at age of 28 days. The cubes shall be made, cured, transported and tested strictly in accordance with specifications. The average strength of nine cubes at age of 28 days shall exceed the specified target mean strength for which design mix has been approved, the evaluation of test results will be done as per IS : 456-2000.

15. WORK STRENGTH TEST
TEST SPECIMEN

Work strength test shall be conducted in accordance with IS: 516 on random sampling. Each test shall be conducted on six specimens, three of which shall be tested at 7 days and remaining three at 28 days. Additional samples shall be prepared, if required, as per direction of Engineer in charge for testing samples cured by accelerated method as described in IS : 9103.

16. TEST RESULTS OF SAMPLE

The test results of the sample shall be the average of the strength of three specimens. The individual variation shall not be more than + - 15 percent of the average. If more, the test results of the sample are invalid. 90% of the total tests shall be done at the laboratory established at site by the contractor and remaining 10% in the laboratory of Government Engineering colleges, or in any other approved laboratory as directed by the Engineer- in-charge.

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17. STANDARD FOR ACCEPTANCE

- i) Standard of acceptance shall be same as specified in clause 16 of IS 456-2000.
- ii) In order to keep the floor finish as per direction of Engineer-in-charge and as per Architectural drawings and to provide required thickness of the flooring as per specification, the level of top surface of RCC shall be accordingly adjusted at the time of its centering, shuttering and casting for which nothing extra shall be paid to the contractor.

18. Ultrasonic Pulse Velocity Method of Test for RCC

- (i) The underlying principle of assessing the quality of concrete is that comparatively higher velocities are obtained when the quality of concrete in terms of density, homogeneity and uniformly is good. The consistency of the concrete as regards its general quality gets established. In case of poorer quality lower velocities are obtained. If there are cracks, voids or flaws inside the concrete which come in the way of transmission of pulse, lower velocities are obtained.
- (ii) The quality of concrete in terms of uniformity, incidence or absence of internal flaws, cracks and segregation etc. indicative of the level of workmanship employed, can thus be assessed using the guidance given in table below, which have been evolved for characterizing the quality concrete in structure in term of the ultrasonic pulse velocity.

Velocity criterion for Concrete Quality Grading.

Sl. No.	Pulse velocity by Cross Probing	Concrete Quality Grading
1	Above 4.5	Excellent
2	4.5 to 3.5	Good
3	3.5 to 3.0	Medium
4	Below 3.0	Doubtful

Note : In Case of “doubtful” quality it may be necessary to carry further tests.

- iii) Pulse velocity method of test of concrete is to be conducted for CPWD works as a routine test. The acceptance criteria as per the above table will be applicable which is as per IS 13311 (part-1): 1992. From the above “Good” and “Excellent” grading are acceptable and below these grading the concrete will not be acceptable.
- iv) 5% of the total number of RCC members in each category i.e. beam, column, slab and footing may be tested by UPV test method for establishing quality of concrete. It is suggested that test be conducted on RCC beam near joint with column, on RCC column near joint with beam, on RCC footings and rafts. On RCC rafts a suitable grid can be worked out for determining number of tests. In addition doubtful areas such as honeycombed locations, locations, where continuous seepage is observed, construction joints and visible loose pockets will also be tested.
- v) The test results are to be examined in view of the above acceptance criteria “Good” and “Excellent” and wherever concrete is found with less than required quality as per acceptance criteria, repairs to concrete will be made. Honeycombed areas and loose pockets will be repaired by grouting using Portland Cement Mortar/Polymer Modified Cement Mortar /Epoxy Mortar ,etc. after chipping loose concrete in appropriate manner. In areas where concrete is found below acceptance criteria and defects are not apparently visible on surface, injecting approved grout in appropriate proportion using epoxy grout / acrylic Polymer modified cements slurry made with shrinkage compensating cement / plain cement slurry etc will be resorted to for repairs.(refer relevant chapters from CPWD Hand Book on Repairs and Rehabilitation of RCC Buildings).Repair to concrete will be done till satisfactory results are obtained as per the

Cor	NIL	Ins	NIL
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acceptance criteria by retesting of the repaired area. If satisfactory results are not obtained dismantling and relaying of concrete will be done.

19. MEASUREMENT

As per CPWD specifications.

20. TOLERANCES

As per CPWD specifications

21. RATE :-

- i) The rate includes the cost of materials and labour involved in all the operations described above except for the cost of centering, shuttering and reinforcement, which will be paid for separately.
- ii) In case of actual average compressive , strength being less than specified strength which shall be governed by Para ‘ Standard of Acceptance’ as above the rate payable shall be worked out accordingly on the basis of analysis.
- iii) In case of rejection of concrete on account of unacceptable compressive strength, governed by Para ‘Standard of Acceptance’ as above, the work for which samples have failed shall be redone at the cost of contractors. However, the Engineer in charge may order for additional tests (like cutting cores, ultrasonic pulse velocity test, load test on structure or part of structure etc) to be carried out at the cost of contractor to ascertain if the portion of structure wherein concrete represented by the sample has been used, can be retained on the basis of results of individual or combination of these tests. The contractor shall take remedial measures necessary to retain the structure as approved by the Engineer in charge without any extra cost. However, for payment, the basis of rate payable to contractor shall be governed by the 28 days cube test results and reduced rates shall be regulated in accordance with Para 5.4.13 of CPWD specification 2019,Vol.-I.
- iv) As per general engineering practice, level of floors in toilet / bath, balconies, shall be kept 12 to 20mm or as required, lower than general floors shuttering should be adjusted accordingly. The landing level of mumty / Staircase cabin shall be Kept one riser level higher than adjoining slab level so as to accommodate water proofing treatment over terrace slab. In case of kitchen slab the portion of floor trap below kitchen platform be kept at lower level as per drawings. Nothing extra is payable on this account.
- v) For the execution of centering and shuttering, the contractor shall use propriety “Reebol” chemical mould release agent of FOSROC or equivalent as shuttering oil as approved by Engineer-in-charge and nothing extra shall be paid on this account.

22. COVER/SPACER BLOCK

The contractor shall provide approved type of support for maintaining the bars in position and ensuring required spacing and correct cover of concrete to reinforcement as called for in the drawings, spacer blocks of required shape and size. Chairs and spacer bars shall be used in order to ensure accurate positioning of reinforcement. Spacer blocks shall be cast well in advance with approved proprietary pre-packed free flowing mortars of high early strength and same colour as surrounding concrete, Pre-cast cement mortar/concrete blocks/ blocks of polymer shall not be used as spacer blocks unless specially approved by the Engineer-in-charge, rate of RCC items is inclusive of cost of such cover blocks.

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23. ALUMINIUM WORK

Two years guarantee bond in prescribed proforma (**Annexure-V**) attached herewith shall be submitted by the contractor which shall also be signed by both the specialized agency and the contractor to meet their liability/liabilities under the guarantee bond. However, the sole responsibility of above efficiency of Aluminum Work shall rest with the building contractor. An amount of 5% of the value of aluminium work shall be recovered from Running account / Final bills as additional security and for defects of aluminium work.

- i. The material for the work shall be procured from the approved manufacturer as per the list attached with the tender documents. The Contractor shall procure and submit samples of various materials to be used in the work for the approval of Engineer-in-Charge and no work shall commence before such samples are approved. Samples of un-anodized as well as polyester powder coated aluminum sections, microwave cured EPDM gaskets, glass, stainless steel screws, anchor fasteners, hardware and any other material or components requiring approval of samples, in opinion of Engineer-in-Charge, shall be submitted for the approval as mentioned above. The above samples shall be retained as standards of materials and workmanship.
- ii. The Contractor shall prepare the shop drawings for the aluminum windows giving details of the various aluminum sections, microwave cured EPDM gaskets, cleats, anchor fasteners, hardware, sealants, glass etc. and submit the same for the approval of Engineer-in-Charge.
- iii. Only after the approval of the samples and the shop drawings by the Engineer-in-Charge, the Contractor shall procure the material for the work. All materials brought to the site by the Contractor, for use in the work, as well as fabricated components shall be subject to inspection and approval by Engineer-in-Charge. The Contractor shall produce manufacturer's test certificates for any material or particular batch of materials supplied by him.
- iv. The Contractor shall prepare a finished sample of the aluminum window along with glazing panel and fittings etc. for approval of workmanship and material. Nothing extra shall be payable on this account.
- v. Aluminum sections to be used for various works shall be appropriate to meet technical, structural, functional and aesthetic considerations. The polyester powder coating shall be carried out in an approved factory / workshop as specified in the tender documents.
- vi. **Fabrication**
All joints shall be accurately fabricated and be hairline in appearance. The finished surface shall be free from visible defects. All the aluminum windows/ ventilators / doors shall be factory made and shall be brought to site for assembly and fixing.

All hardware used shall conform to the relevant specifications and as per samples approved by the Engineer-in-Charge. Design, quality, type, number and fixing of hardware shall be generally in accordance with architectural drawings and as approved by the Engineer-in-Charge before use.

All doors, windows, ventilators and glazing etc. shall be made water tight with microwave cured EPDM gaskets and weather silicone sealants to the satisfaction of the Engineer-in-Charge, for which nothing extra shall be payable.

The frames shall be strictly as per Architectural drawings, the corners of the frame being fabricated to the true right angles. Both the fixed frames and openable shutter frames shall be fabricated out of sections cut to required length, mitred and mechanically jointed for satisfactory performance. All members shall be accurately machine milled and fitted to form hairline joints. The jointing accessories

Cor	NIL	Ins	NIL
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such as aluminum cleats, stainless steel screws etc. shall not to cause any bi-metallic reaction by providing separators, wherever required. 6.5 Vertical members of the aluminium frame work shall be embedded in the floors, wherever required, by cutting and making good of the floor.

24. FIXING OF ALUMINIUM FRAME WORK

The screws used for fixing fixed aluminium frames of the aluminium windows to masonry walls / RCC members and aluminium members to other aluminium members shall be of stainless steel of approved make and quality and of stainless-steel grade 304. Threads of machine screws used shall conform to requirement of I.S. 4218.

For the aluminium windows, the gap between the aluminium frames and the R.C.C / Masonry and also any gaps in the various sections shall be filled with weather silicone sealant DC 795 of Dow Corning or equivalent in the required bite size, to ensure water tightness including providing and fixing backer rod, wherever required. The weather silicone sealant shall be of such approved colour and composition that it would not stain or streak the masonry / R.C.C. work. It should not sag or flow and shall not set hard or dry out under any conditions of weather and shall be tooled properly. The weather silicone sealant shall be used as per the manufacturer's specifications and shall be of approved colour and shade. Any excess sealant shall be removed / cleared. Nothing extra shall be payable for the above.

Fixing of glass panes shall be designed in such a way that replacing damaged / broken glass panes is easily possible without having to remove or damage any members or interior finishing materials.

Stainless steel adjustable heavy duty friction hinges and the aluminium handles for the open able side hung windows shall be of "Earl Bihari" Ebco, make or equivalent as approved by the Engineer-in-Charge. 2 nos. friction hinges shall be provided per shutter.

25. PROTECTIONS AND CLEANING:

All glass panes shall be retained within aluminium framing by use of exterior grade microwave cured EPDM gaskets. Use of glazing or caulking compounds around the perimeter of glass will not be permitted. There shall be no whistling or rattling. Before installation of glass, Contractor shall ensure the following:

All glazing rebates shall be square, to plumb, true to plane, dry and free from dust.

Glass edge shall be clean and cut to exact size and grounded Low 'E' - Heat strengthened glass of specified thickness in doors, windows, ventilators and fixed glazing etc. shall be of approved make and standard quality conforming to C.P.W.D. Specifications.

3 mm thick glass panes shall be provided for openings not exceeding 0.5 sqm. For openings exceeding 0.5 sqm in area, 5.0 mm thick glass panes shall be provided unless specified otherwise.

26. ROAD WORK

- 26.1 Formation of road alignment as per approved drawing including cutting and embanking as per profile, rolling and preparing the sub-grade fit for laying road.

27. SPECIAL CONDITION: REGARDING PREPARATION OF STRUCTURAL DRAWINGS:

Special Conditions for Structural Drawings

1. Structural Drawings and Design

Cor	NIL	Ins	NIL
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- The contractor shall carry out **structural analysis and design** of the building, including submission of **five sets of "Good for Construction" (GFC) structural drawings**.
- Designs must comply with the **National Building Code (NBC) 2016**, relevant **IS codes**, and the same shall be proof-checked from any **IITs/ NITs or other Government Engineering Colleges/Institutes**.
- Modifications, if required by the approving authority, must be **incorporated and resubmitted** for approval.
- Structural design must address **site-specific conditions** such as retaining walls, beams, and other essential components.
- The design must be of multistoried **RCC structures**, where load of following shall also be including in addition to the loads specified in relevant IS codes for design:
 - Terrace water tanks
 - Underground sump
 - Staircase head rooms
- All work to be done as per the **specifications, special conditions, and direction of the Engineer-in-Charge**.

2. Civil Services Drawings

- All required drawings for **Water Supply, Sanitary and Drainage, Storm Water Drains, Road Layout**, etc., must be prepared and submitted to the department for approval.

3. Permissions and Approvals

- The contractor shall be responsible for obtaining necessary permissions/approvals from but, not limited to:
 - Local Bodies
 - Fire Department
 - Telangana State Authorities
 - Airport Authority (if applicable)
- Permissions/approvals are required **both before and after the completion** of the work from all relevant competent Govt. departments.

4. Electrical and Mechanical Drawings

- The contractor shall also provide **designs and drawings of Electrical and Mechanical works**.
- Execution shall conform to **special conditions, specifications**, and instructions of the **Engineer-in-Charge**.

5. Payment Conditions

- Payment will be made **based on actual plinth area** for which drawings are **approved/issued as laid down in the NIT conditions**.
- Drawings must comply with **special conditions stipulated in the NIT**.

7. Special Condition Regarding Monitoring of Quantities and Execution of Deviated/Substitute/Extra Items

1. Monitoring of Quantities:

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AE(C)		EE(C)	

The contractor shall regularly monitor the quantities of all items being executed and compare the same with the quantities provided in the Agreement/NIT/BOQ. Any variation or likely overrun in quantity beyond the permissible deviation limit as specified under Clause 12 of the GCC 2023 shall be brought to the notice of the Engineer-in-Charge in writing well in advance, prior to further execution of the concerned item.

2. Execution of Extra/Substitute Items:

In case of any Extra or Substitute item arising during the course of execution, the contractor shall intimate the Engineer-in-Charge in writing well in advance before taking up the execution of such item(s). No such item shall be executed without obtaining the prior formal written approval from the Engineer-in-Charge.

The contractor shall submit the following details for each extra or substitute item proposed:

- Justification for the item
- Detailed quantity to be executed
- Rate analysis supported with current market rates and CPWD-approved specifications
- Total financial implication of the item
- **Admissibility of Payment:**

Payment for any extra or substitute item shall be made only after the formal approval of the same by the competent authority, as per Clause 12 of CPWD General Conditions of Contract (GCC 2023). Execution of any such item prior to approval shall be entirely at the risk and cost of the contractor, and no claim on account of such unauthorized execution shall be entertained.

3. Liability for Unauthorized Execution:

Any work executed beyond the sanctioned quantities, or any extra/substitute item taken up without prior written instructions and approval, shall not be paid.

These conditions shall be deemed to be a part of the contract and will be binding on the contractor. The contractor shall also ensure compliance with all related provisions under Clause 12 of GCC 2023 and follow the Standard Operating Procedures issued by CPWD regarding approval and execution of extra and substitute items.

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Omi	NIL	Ovw	NIL
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ENVIRONMENT MANAGEMENT

1. AIR QUALITY

- 1.1 The Contractor shall take all necessary precautions to minimize fugitive dust emissions from operations involving excavation, grading, and clearing of land and disposal of waste. He shall not allow emissions of fugitive dust from any transport, handling, construction or storage activity to remain visible in atmosphere beyond the property line of emission source for any prolonged period of time without notification to the Engineer-in-Charge.
- 1.2 The Contractor shall use construction equipment designed and equipped to minimize or control air pollution.
- 1.3 If after commencement of construction activity, Engineer-in-Charge believes that the Contractor's equipment or methods of working are causing unacceptable air pollution impacts then these shall be inspected and remedial proposals shall be drawn up by the Contractor, submitted for review to the Engineer-in-Charge and implemented.
- 1.4 In developing these remedial measures, the Contractor shall inspect and review all dust sources that may be contributing to air pollution. Remedial measures include use of additional/ alternative equipment by the Contractor or maintenance/modification of existing equipment of the Contractor.
- 1.5 In the event that approved remedial measures are not being implemented and serious impacts persist, the Engineer-in-Charge may direct the Contractor to suspend work until the measures are implemented as required under the Contract.
- 1.6 Contractor's transport vehicles and other equipment shall conform to emission standards fixed by Statutory Agencies of Government of India or the State Government from time to time. The Contractor shall carry out periodical checks and undertake remedial measures including replacement, if required, so as to operate within permissible norms.
- 1.7 The Contractor shall establish and maintain records of routine maintenance program for internal combustion engine powered vehicles and equipment used on this project.
- 1.8 The Contractor shall cover loads of dust generating materials like debris and soil being transported from construction sites. All trucks carrying loose material should be covered and loaded with sufficient free-board to avoid spills through the tail board or side boards
- 1.9 The Contractor shall promptly transport all excavation disposal materials of whatever kind so as not to delay work on the project. Stockpiling of materials will only be allowed at sites designated by the Engineer-in-Charge. The Contractor shall place excavation materials in the dumping/disposal areas designated by Engineer-in-Charge.
- 1.10 The temporary dumping areas shall be maintained by the Contractor at all times until the excavate is re-utilized for backfilling or as directed by Engineer-in-Charge. Dust control activities shall continue even during any work stoppage.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
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- 1.12** The contractor shall place material in a manner that will minimize dust production. Material shall be minimized each day and wetted, to minimize dust production. During dry weather, dust control methods must be used daily especially on windy, dry days to prevent any dust from blowing across the site perimeter.
- 1.13.** The Contractor shall water down construction sites as required to suppress dust, during handling of excavation soil or debris or during demolition. The Contractor will make water sprinklers, water supply and water delivering equipment available at any time that it is required for dust control use. Dust screens will be used, as feasible when additional dust control measures are needed specially where the work is near sensitive receptors.
- 1.14** The Contractor shall provide a wash pit or a wheel washing and/or vehicle cleaning facility at the exits from work sites. At such facility, high-pressure water jets will be directed at the wheels of vehicles to remove all spoil and dirt.

2. WATER QUALITY

- 2.1** The Contractor shall comply with the Indian Government legislation and other State regulations in existence so far as they relate to water pollution control and monitoring. A drainage system should be constructed at the commencement of the Works, to drain off all surface water from the work site into suitable drain outlet.
- 2.2.** The Contractor shall provide adequate precautions to ensure that no spoil or debris of any kind is pushed, washed, falls or deposited on land adjacent to the site perimeter including public roads or existing stream courses and drains within or adjacent to the site. In the event of any spoil or debris from Construction works being deposited or any silt washed down to any area, then all such spoil, debris or material and silt shall be immediately removed and the affected land and areas restored to their natural state by the Contractor to the satisfaction of the Engineer-in-Charge.
- 2.3.** The Contractor shall ensure that earth, bentonite, chemicals and concrete agitator washings etc. are not deposited in the watercourses but are suitably collected and residue disposed off in a manner approved by local authorities.
- 2.4.** All water and waste products (surface runoff and wastewater) arising on the site shall be collected and removed from the site via a suitable and properly designed temporary drainage system and disposed off at a location and in a manner that will cause neither pollution nor nuisance.
- 2.5.** Any mud slurry from drilling, diaphragm wall construction or grouting etc. shall not be discharged into the drainage system unless treatment is carried out that will remove silt, mud particles, bentonite etc. The Contractor shall provide treatment facilities as necessary to prevent the discharge of contaminated ground water.
- 2.6.** The Contractor shall discharge wastewater arising out of site office, canteen or toilet facilities constructed by him into sewers after obtaining prior approval of Engineer-in-Charge. A wastewater drainage system shall be provided to drain wastewater into the sewerage system.

Cor	NIL	Ins	NIL
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- 2.7. The bentonite mixing, treatment and handling system shall be established by the contractor giving due regard to its environmental impacts. The disposal of redundant bentonite shall be carefully considered whether in bulk or liquid form. The disposal location will be advised and agreed with the relevant authorities.
- 2.8. The Contractor shall take measures to prevent discharge of oil and grease during spillage from reaching drainage system or any water body. Oil removal / interceptors shall be provided to treat oil waste from workshop areas etc.
- 2.9. The Contractor shall apply to the appropriate authority for installing bore wells for water supply at site.

3. WASTE MANAGEMENT

- 3.1. The contractor is required to develop, institute and maintain a Waste Management Programme (WMP) during the construction of the project for his works, which may include:-
- i) Identification of disposal sites.
 - ii) Identification of quantities to be excavated and disposed off.
 - iii) Identification of split between waste and inert material
 - iv) Identification of amounts intended to be stored temporarily on site location of Such storage.
 - v) Identification of intended transport means and route.
 - vi) Obtaining permission, where required, for disposal.
- 3.2. Such a mechanism is intended to ensure that the designation of areas for the segregation and temporary storage of reusable and recyclable materials is incorporate into the WMP. The WMP should be prepared and submitted to the Engineer-in-Charge for approval.
- 3.3. The Contractor shall handle waste in a manner that ensures they are held securely without loss or leakage thus minimizing potential for pollution. The Contractor shall maintain and clean waste storage areas regularly.
- 3.4. The Contractor shall remove waste in a timely manner and dispose off at landfill sites after obtaining approval of Conservancy and Sanitation Engineering Department of Municipal Corporation for its disposal.
- 3.5. Burning of wastes is prohibited. The Contractor shall not burn debris or vegetation or construction waste on the site but remove it.
- 3.6. The Contractor shall make arrangement to dispose of metal scrap and other saleable waste to authorized dealer and make available to the Engineer-in-Charge on request, records of such sales.

Cor	NIL	Ins	NIL
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4. HAZARDOUS WASTE MANAGEMENT

- 4.1. If encountered or generated as a result of Contractor's activity, then waste classified as hazardous under the "Hazardous Wastes (Management & Handling) Rules, 1989, amendments 2000, 2003" shall be disposed off in a manner in compliance with the procedure given in the rules under the aforesaid act.
- 4.2. Chemicals classified as hazardous chemicals under "Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 of Environment (Protection) Act, 1986 shall be disposed off in a manner in, compliance with the procedure given in the rules under the aforesaid act.
- 4.3. The contractor shall identify the nature and quantity of hazardous waste generated as a result of his activities and shall file a 'Request for Authorization' with A.P Pollution Control Committee along with a map showing the location of storage area.
- 4.4. Outside the storage area, the contractor shall place a 'display board', which will display quantity and nature of hazardous waste, on date. Hazardous Waste needs to be stored in a secure place.
- 4.5. It shall be the responsibility of the contractor to ensure that hazardous wastes are stored, based on the composition, in a manner suitable for handling, storage and transport. The labeling and packaging is required to be easily visible and be able to withstand physical conditions and climatic factors.
- 4.6. The contractor shall approach only Authorized Recycler of Hazardous Waste for disposal of Hazardous Waste, under intimation to the Engineer-in-Charge
- 4.7. Submittal of all environment related documents and records pertaining to monitoring and trend analysis on key parameters such as but not limited to consumption/efficient use of resources such as energy, water, material such as cement, fly ash, iron and steel, recycle/reuse of waste etc that shall have demonstrated continual improvement in the implementation of Environmental management System. Failure to do so the employer shall impose appropriate penalty as indicated under penalty clause.

5 ENERGY MANAGEMENT.

- 5.1. The contractor shall use and maintain equipment so as to conserve energy and shall be able to produce demonstrable evidence of the same upon of Engineer-in-Charge request.
- 5.2. Measures to conserve energy include but not limited to the following:
 - i) Use of energy efficient motors and pumps.
 - ii) Use of energy efficient lighting, which uses energy efficient luminaries.
 - iii) Adequate and uniform illumination level at construction sites suitable for the task.
 - iv) Proper size and length of cables and wires to match the rating of equipment.
 - v) Use of energy efficient air conditioners.

24/09/2026

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**PREFERRED MAKE OF MATERIALS
(FOR CIVIL WORKS)**

NOTE: -

A List of Preferred Brand Names of Various Materials / Products are shown below for usage in execution of Work. However, Approved equivalent material of any other Specialized Companies / Firms may also be used, in case it is established that the Brands Specified below are not available in the market and subject to Approval of the alternate Brand by the Engineer In charge.

It must be ensured, in general, that all materials to be used in the works shall bear BIS Certification mark. In cases where for a particular material/product, BIS Certification Mark is not available, then the material proposed to be procured can be used subject to the condition that it should conform to CPWD Specifications and relevant BIS codes. In such cases written approval of the Engineer-in -Charge shall be obtained before use of such material in their works.

The list given below does not absolve the Executing Agency from their responsibility for using these products. It is only after, they are satisfied about the quality and performance, and the products shall be used. To achieve this, proper check on the quality of the product, actually to be used, should be exercised.

List of Preferred Materials for (CIVIL) as approved by competent authority.			
Sl. No.	Material Description	Material	
		Brand	Makes *
1	AAC Blocks	A B Dinesh	A B Dinesh
		Areocon	HIL
		Bilt	Bilt
		Ecorex	Ecorex
		Fastbuilt	Fastbuilt
		Kncrete	Koncrete
		NCL	NCL VEKA Ltd.
		Nucon	Green Way building materials India Pvt. Ltd.
		Renacon	Renaatus Procon Pvt. Ltd.
		Ultratech "XTRALITE"	M/s. Ultratech Cements Ltd.
		Siporex	SIPOREX
		Xtralite	Ultra Tech Cement Ltd
		Mega AAC Block	M/s. Bhagavati AeroBriks Industries Pvt. Ltd.
		PRIME	M/s ECO-care Building Products(P) Ltd.

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2	Acoustic Insulation	Anutone	Anutone Acoustics Ltd.
		Himalyan Accoustics	Himalyan Accoustics
		Kanuf	Knauf Gypsum India Pvt. Ltd.
		Lloyd Insulation	Lloyd Insulation (India) Ltd.
		Saint Gobain Gyproc	Saint Gobain Gyproc India
		Twingerinsul	U.P. Twiga fiber glass Ltd.
3	Actativ polypropylene (APP) Modified water proof membrane	Ardex endure	Ardex endure
		Bitumat Co Ltd	Bitumat Co Ltd
		Ferrous crete	Ferrous Crete (India) Pvt Ltd
		Hydrotech ltd	Hydrotech ltd
		Pidilite	Pidilite industries
		STP	Shalimar tar products
4	Premium Acrylic emulsion	Asian Premium emulsion (Apcolite)	Asian paint
		Berger (Easy Clean)	Berger Paints
		Dulux (Super Cover)	ICI Dulux
		Nerolac (Beauty Gold)	Nerolac
5	Acrylic smooth exterior paint	Apex	Asian Paints
		Berger	Berger
		Dulux	ICI duLux
		Nerolac	Nerolac
		Nippon	Nippon
6	Acrylic Distemper	SURFA	M/s.Surfa Coats (India) Pvt. Ltd., Bangalore.
7	Acrylic textured plaster	Apex Duracast	Asian Paints
		Asian paints	Asian Paints
		Heritage	Heritage Rajkamal Group
		Nerolac	Nerolac
		Spectrum paints	Spectrum paints Ltd.
8	Acrylic exterior Texture	Akzonobel	Akzonobel
		Asian paints	Asian paints
		Berger	Berger paints India ltd
		Ebco	Ebco

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
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		Nerolac	Nerolac paints Ltd.
9	Adhesive	Asian Paints	Asian Paints
		CICO	CICO Industries
		Dunlop	India Tyre & Rubber Co (India) Ltd.
		Finical	Pidilite Industries
		Proofex of Adhesive	FOSROC India
		Sika	Sika India Pvt. Ltd
		Vamorganic	Vamorqanic Ltd.
10	Adhesive for AAC Block/Tiles	Ardex Endura/Gold star	Ardex Endura
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd
		Tile Adhesive Plus	Berger Paints
		Ultra tech	Ultra tech cement ltd
		V-BOND Tile Adhesive	Value Pack India Pvt Ltd
11	Air transfer grills	Cool grills	Cool grills, Pune
		Systemair India	Systemair India Pvt Ltd.
12	Air release valve	Kartar	Kartar valves private Ltd.
		Kirloskar	Kirloskar brothers Ltd.,
		RBM	AFS Ltd
13	Aluminium doors/ windows sections	Bhoruka	Bhoruka Aluminium Ltd.,
		Hindalco	Hindalco Industries Ltd..
		Hydro	Hydro Extrusion
		INDAL	Indian Aluminium Ltd.,
		Jindal	Jindal Aluminium Ltd,
		Omalco Extrusion	Omalco Extrusion Pvt Ltd.
		Padmavati Extrusion	Padmavath Extrusion Private Ltd.
14	Aluminium system/ Anodised Aluninium fittings for doors/ windows	Bhoruka	Bhoruka Aluminium Ltd.,
		Define	Define Overseas Pvt. Ltd.
		Everite	Everite Agencies
		Hardima	Hardima sales corporation
		Jyothi	Jyothi industries
		Kawneer	Kawnear India

Cor	NIL	Ins	NIL
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		Schueco	Schueco India Pvt. Ltd.,
		Sigma	Sigma Corporation
15	Aluminium composite panels	Alpolic	Alpolic
		Alstone	Alstone
		Alstrong	Alstrong
		Alex panel	M/s Alex Panels
		Alucobond	3A composites India Pvt Ltd.
		Aludecor	M/S Aludecor lamination Pvt ltd.
		Eurobond	M/S Euro panel products Pvt ltd.
		Eurobond	Eurobond pvt Ltd.
		Hynadecor	Hynadecor
		Reynobond	Reynobond
		VIRGO	M/s VIRGO Laminates Ltd.
		ALUTECH	M/s Alutech industries
16	Aluminium framework	MFE (MIVAN)	(MIVAN)
		MFS	MFS
		S-form	S-form
17	Anchor/ SS Stone Cladding Clamps/ Dash fasteners	Anchor	Anchor Ltd.
		BOSCH	BOSCH Ltd.
		Canon	Canon
		Fischer	Fischer India
		Helfen	Helfen Gmbh
		Hilti	Hilti India Pvt. Ltd.
		Nutech	Nutech Concrete Products Pvt. Ltd.
		Trixel	Axel India Pvt. Ltd.
		Wurth	Wuerth India Pvt. Ltd.
18	Anti corrosive bit mastic paint	Bergar	Berger paints India Ltd
		Bituminous black	Asian Paints
		Shalimar	Shalimar paints India Ltd.
19	Butt Hinges openable window shutters	Alu Alpha	Alu Alpha India
		Dorma	Dorma India Pvt. Ltd.

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		Dorset	Dorset Industries Pvt. Ltd.
		Earit Bihari	Earit Bihari India Pvt. Ltd.
		Hafela	Hafele India Pvt. Ltd.
		Helix	Helix India
20	Bamboo Wood Flooring and wall paneling.	AMITEX	AMITEX Enterprises, Delhi.
		Eco green Flooring	Jupiter Traders Bangalore.
		Epitome Bamboo wood Products	Mutha Industries Pvt. Ltd., Mumbai.
		Floor India	Flooring India Company, Panipat, Haryana.
		FLOSTO Tanks	Devi Polymer Pvt. Ltd., Chennai.
		VIVANTA	VIVANTA Enterprises, Mumbai.
21	Bamboo Products (Flooring, Skirtings, Claddings, Shutters, Panels, Door Frames.	EPITOME	M/s. Mutha Industries Pvt. Ltd.
22	Cement OPC / PPC	Ambuja Cement	Ambuja Cements Ltd.
		ACC	ACC Cements Ltd
		Bharathi	Bharathi Cement Corporation Ltd.
		Birla	Birla Corporation Ltd
		Century Cement	Birla Gold Cement
		Chettinad	Chettinad Cements Corporation Ltd
		Coromandal	India Cements Ltd.
		Dalmia	Dalmia Cement Bharat Ltd.
		Jaypee Cement	Jaypee Cement Ltd
		J.K. Cement	J.K. Cement Pvt. Ltd.
		Konark Cement	Konark Cement
		Maha Cement	Myhome Industries Pvt. Ltd.
		Penna Cement	Penna Cement Industries Ltd.
		Ramco	Ramco
		Shree Cement	Shree Cement
		Ultra Tech	Ultra Tech Cement Ltd
		Zuari	Zuari Cement Limited
		Nagarjuna Cement	M/s. NCL Industries Ltd, Secunderabad.
		SAGAR CEMENTS	M/s.Sagar Cements Limited, Hyderabad.

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		NU VISTA / INFRACEM	M/s. NU VISTA Ltd., (Formerly M/s. Emami Cements Limited), Bhubaneswar.
		Anjani	M/s Anjani port land Cement Ltd, Hyderabad
		JSW	M/s. JSW Cement Ltd.,
		RAMCO	M/s THE RAMCO CEMENTS LIMITED
		PRIYA CEMENT	M/s RAIN CEMENTS LIMITED.
23	Cement (OPC (43 grade) & PPC)	NU VISTA / INFRACEM	M/s. NU Vista Ltd.
24	Cement Concrete Parking Tiles	Dazzle	Dazzle Designer tiles Pvt Ltd
		Eurocon	Eurocon tiles India
		Hindustan tiles	Hindustan tiles, Ranchi Pune
		NTC	NTC Parking tiles
		NITCO	NITCO Ltd
		Poddar	Poddar Udyog
		Ultra	Ultra tile private Ltd
		CEMTECH	M/s. Cemtech Tiles, Uppal, Hyderabad.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
25	Cement based wall putty	Altek	NCL Alltek & seccold Ltd.
		Ardex Endura	Ardex Endura India Pvt. Ltd.
		Asian paints	Asian paints Ltd
		Berger	Berger
		Birla Wall Care	Birla Cements Ltd.,
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd
		J.K wall putty	J.K. Cement Ltd
26	Cement Board	Bison	Bison Group
		Everest	Everest Techno polis
27	Cement Primer	Asian paints	Asian Paints
		Berger	Berger paints India Ltd.
		JK Primaxx	JK Cement Ltd
28	Centrifugal Hubless Cast Iron Pipe & Fittings	Kapilansh	Kapilansh Dhattu Udyog (P) Ltd.
		NECO	Jayaswal NECO Ltd.
		Raj (RPMF)	Raj Pattern Makers and Founders Pvt.,Ltd.

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AE(C)		EE(C)	

		SKF	Singhaliorn Foundary Pvt.,Ltd.
		BIC	M/s. Bengal Iron Corporation, Kolkata.
29	Centrifugally (Spun) cast Iran	Electrosteel	Electrosteel castings Ltd.
		Jindal	Jindal saw Ltd.
		Kesoram	Kesoram Industries ltd.
		Lanco / Sripipes	Electrosteel castings Ltd.
30	Centrifugally Caste (Spun) Iron Soil Pipe	Bengal Iron Corporation	Bengal Iron Corporation
		HEPCO	HEPCO
		Kapilash	Kapilash Dhatu Udyog (P) Ltd.
		Neco	Jayaswal Neco Ltd
		RPMF	Raj Pattern Makers and Founders Pvt. Ltd
		SKF	SKF industries
31	Chemical water proofing system	BASF	BASF India Ltd.
		Dr. Fixit	Pidilite industries
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Fosroc	Fosroc India
		Latex shield 2K/Tank shield PW	Berger Paints Ltd.
		MC- Bauchemie	MC- Bauchemie India Ltd.
		Perma construction Aid	Perma construction Aid Pvt Ltd
		Sika	Sika India
		Smart Care	Asian Paints Ltd.
		Sunanda speciality coating	Sunanda speciality coating Pvt Ltd.
32	Chloropyriphos	DURSBANTCT	DE-NOCIL Ltd.
		HILBAN	Hindustan Insecticides Ltd.
		NOBAN	Chemtts Wets & Flows Pvt. Ltd
		PIRAMID	AMVAC AGRI RASAYAN Pvt. Ltd.
		Premise Agenda	Bayer Ltd.
		Sarups Pest Control	Sarups Pest Control Ltd.
33	CI double flange sluice valve	BURN	BURN
		IVS	Indian Valves Private Ltd.

Cor	NIL	Ins	NIL
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AE(C)		EE(C)	

		Kartar	Kartar valves private Ltd.
		Kirloskar	Kirtoskar brothers Ltd.
		Leader	leader valves Ltd.
		RBM	AF-S LL,
		Zoloto	Zoloto Industries
34	CI double flangad non ratur valve	Fluidtech	Fluidtech
		Kirloskar	Kirloskar Brothers Ltd.
		Zoloto	Zoloto Industries
35	CI Manhole cover	BIC	Bengal iron corporation
		HEPCO	HEPCO India
		Neco	Jayaswal Neco Ltd.
		RPMF	M/s Raj Pattern Makers & Founders Pvt. Ltd.
		SKF	SKF Industries
36	Clamp, Rebar, Chemical fastener	Fischer	Fischer India
		Hilti	Hilti India Pvt.Ltd.
		Wurth	Wuerth
37	C.P. Brass Fittings	CERA	M/s Cera Sanitaryware Ltd.
		ESS Bathsense & Royal	Asian Paints Ltd.
		Hindware	HSIL Ltd.
		Jaquar	Jaquar Group
		Johnson	Prism Johnson Ltd.
		KEROVIT	M/s Kajaria Ceramic Limited
		Kingston	Kingston Brass India Pvt., Ltd.
		MARC	MARC Sanitation Pvt.Ltd.
		Parryware	Parryware Sanitaryware
		PLAYER	M/s.Status Sanitech Pvt. Ltd
38	CPVC pipes and fittings	Ashirwad	Ashirwad PVC Pipes
		Astral	Astral Polytechnik Ltd..
		Birla Aerocon	HIL Ltd.
		Finolex	Finolex Industries Ltd.
		PRAYAG	M/s. Prayag Polymers Pvt. Ltd.

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		Flowgard	Flowgard
		Prince	Prince Pipes and fittings Ltd.,
		Supreme	Supreme Industries Ltd.
		Truflo	HIS Ltd.
		AKG	M/s. AKG Extrusions Pvt. Ltd.
		TRUFLO	M/s.HINDWARE LIMITED
		Birla Hil Pipes	M/s. Hil Ltd.
		SUDHAKAR	M/s. Sudhakar Irrigation Systems Pvt. Ltd.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
		SENTINI	M/s. Sentini Flopipes India Pvt. Ltd.
39	Concealed tower bolt	Alu Alpha	Alu Alpha India
		Dorma	Dorma India Pvt. Ltd.
		Dorset	Dorset Industries Pvt. Ltd.
		Ingersolrand	Ingersolrand (India) Ltd.
40	Crystal line water proofing compounds	KRYTON	M/s.Kryton Buildmat Co. Pvt. Ltd., Gurugram, Haryana.
41	CC Kerb Stone	CEMTECH	M/s. Cemtech Tiles, Uppal, Hyderabad.
42	Damp Proof material	ACCO Proof	ACC Cements Ltd
		Asian Paints smart care damp proof	Asian Paints Ltd.
		BASF	BASF India Ltd.
		CICO	CICO Industries
		Dr. Fixit	Pidilite Industries
		Duraseal	Apurva India Pvt. Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Fosroc	Fosroc Chemicals India Pvt. Ltd.
		Impermo	Snowcem Paints
		MAPEI	MAPEI Construction Products India P Ltd
		MYK	MYK LATICRETE India Pvt. Ltd.
		PIDILITE	Pidilite Industries
		SIKA	Sika India Pvt. Ltd.
		Weather Coat Roof	Berger Paints India Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Guard	
43	DI Fittings	Electro steel	Electro steel
		Jindal	Jindal
		Kapilansh	Kapilansh
		Keshoram	Keshoram
		Tata Ductura	Tata Ductura
44	DI Pipes	Electrosteel	Electrosteel
		Jindal	Jindal
		Keshoram	Keshoram
		Tata Ductura	Tata Ductura
45	Engineered wood floor	Amstrong	Amstrong flooring
		Mikasa Real wood floors	Green Lam Industries
		New wood	Naw Wood India Ltd
		Pergo	Red floor India
		Werner	Dura floor wemer GmbH
46	EPDM Gaskets	Ame Rubber	Ame Rubber industries Pvt Ltd
		Anand	Anand NVI-I products (P) Ltd.,
		Bohra	Bohra rubber Pvt Ltd..
		Hanu	Hanu Industries
		Roop	Roop Polimers Ltd.,
47	EPDM water proofing Membrane	Ferrous Crete	Ferrous Crete (India) Pvt Ltd
		Fosroc	Fosroc India
		Pidilite	Pidilite Industries
		Smart care	Asian paints
		STP	Shalimar tar products
48	Epoxy	Ardex	Ardex Endura Ltd.
		Asian paints	Asian paints
		CICO Poxxy	CICO Technologies Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Fosroc	Fosroc India
		Shalibons	Shalimar tar products

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		SUNANDA	M/s Sunanda Specialty Coatings Pvt. Ltd.
49	Epoxy Paint	Ardex Endura	Ardex Endura India Pvt. Ltd.
		Asian epoxy	Asian Paints
		Berger	Berger paints India Ltd.
		Nerolac	Nerolac
		Shalimar	Shalimar paints India Ltd.
		STP Ltd.	Shalimar Tar Products
50	Epoxy tile joint cements	Ardex Endura	Ardex Endura India Pvt. Ltd
		BASF	BASF India Ltd.
		Ferrous Crete	Ferrous Grete (India) Pvt. Ltd
		Fosroc	Fosroc indd
		Laticrete	MYK Laticrete India
51	Expansion Joint Bitumen board	Dura Board HD100	Supreme Industries
		DURAFILL	Supreme Industries
		STP	Shalimar Tar Products
52	Exterior Emulsion Paint	SURFA	M/s. Surfa Coats (India) Pvt. Ltd., Bangalore.
53	False Ceiling	Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industnas Pvt. Ltd.
		Armstrong	Armstrong Wond Indusvies
		Diamond (GRG Tiles)	Diamond International Inex Pvt. Ltd.
		Gridsquare	Gridsquare Ceilings
		Gypframe steel	British Gypsum
		Knauf	Knauf Gypsum India Pvt. Ltd.
		Lloyd	Lloyd Insulation (India } Ltd
		Saint Gobain	Saint Gobain Gyproc
54	False ceilings Members (Perimeter, Ceiling section, intermediates, angles etc.,)	Aerolite	Andhra Polymers Pvt. Ltd./Aerolite Industries Pvt. Ltd
		Anutone	Anutone Accoustics Ltd.
		Armstrong	Amstrong World Industries
		Gridsquare	Gridsquare Ceilings
		Hunter Dougals	Hunter Dougals
		Knauf	Knauf Gypsum India Pvt. Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Saint Gobain Gyproc	Saint Gobain Gyproc India
		USG Boral	USG Boral
55	False Floor	Access floor sytem	Access Floor system
		Hewetson	Hewetson India
		Kebao	Inner Space (Distributors)
		PINNACLE	PINNACLE
		Unifloor	Unifloor India Ltd.
		Unitile	Unitile office systems Pvt. Ltd.
56	Fire Rated hardware / Fire Rated Smoke check doors (MS/Wooden)	Backers FS	Backers FS
		Dorma	Dorma India Pvt. Ltd.
		Dorset	Dorset Industries Pvt. Ltd.
		Geze	Geze GMBH
		ASES (Agni Suraksha)	M/s. ASES Security Pvt. Ltd.
		Ingersolrand	Ingersolrand (India) Ltd.
		ASES (Agni Suraksha)	M/s. ASES Security Pvt. Ltd., Ghaziabad.
57	Fire rated glass	Contra Flam / Pyroswiss of Saint Gobain	Saint Gobain India Pvt. Ltd.
		Pilkinton	Pilkinton India
		Promat	Promat Fire & Insulation (P) Ltd.
		Pyran of Schott	Schott glass India Pvt. Ltd.
58	Fire retardant paint	Akzonobel	Dulex Akzonobel Paints
		Asian paints	Asian Paints
		Htlti	Hilti India Pvt. Ltd.
		Jotun	Jotun paints
		STPL Ltd.	STPL Ltd.
59	Fire Smoke Seal	Atroflame	Atroflame ltd.
		Hilti	Hilti India Pvt. Ltd.
		Promat	Promat Fire & Insulation (P) Ltd.
		Raven	Raven Global
60	Float Glass (Tansparent)	Saint Gobain	Saint Gobain India Pvt. Ltd.
		Asahi	Asahi India Glass ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		SISECAM	M/s.Sisecam Flat Glass India Pvt. Ltd.
		Pilkinton	Pilkinton India
		Modiguard	Gujarat Guardian Ltd.
		Gold Plus	M/s. Gold Plus Glass Industry Ltd., New Delhi.
61	Float Valve (Ball valve)	Arco	Arco valve Pvt ltd
		IBP	IBP industries
		Leader	Leader valve Ltd
		Prayag	Prayag Polymers Pvt Ltd.
		Zoloto	Zoloto industries
62	Floor spring (For non DSR Items)	Dorma	Donna India Pvt Ltd.
		GEZE	GEZE GmbH
		Ingersolrand	Ingersolrand India Pvt Ltd
		OZONE	Ozone Hardware.
63	Flushing Cistern	Bath sense	Asian Paints
		CERA	CERA Sanitary ware Ltd.,
		Hindware	HSIL Ltd,
		Jaquar	Jaquar Group
		Kohler	Kohler
		Parryware	ROCA Bath Pvt. Ltd.,
		Somany	Somany
64	Fly ash cement bricks (Non Modular size)	Concerned CE/SE's will approve based on local availability.	
		SM ECO Bricks	M/s. SM ECO Bricks.
65	FRP Door Frames shutter	Ambieance	Ambieance
		Cactus	Cactus
		Duroplast	Duroplast Extrusion pvt ltd.
		Jain doors Pvt. Ltd.	Jain doors Pvt. Ltd.
		Jayna	Jain wood industries
		Meena fibre glass	Meena fibre glass
		Polyline	Polyline
66	Friction stay hinges	Earl Bihari	Earl Bihari Pvt. Ltd.
		KINLONG	Kinlong Industriss

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

67	FRP covers	Everlast Composites	Everlast Composites Pvt.,Ltd.
		Fibrocast	Fibrocast FRP cover manufacturer
		Thermodrain	Poly products (I) Pvt.,Ltd.
68	Fibre Reinforced Elastomeric Liquid Waterproofing Membrane	KRYTON	M/s. Kryton Buildmat Co. Pvt. Ltd., Gurugram, Haryana.
69	FLUX - Polycarbonate Panel	DPI - FLUX	M/s. DPI Day lighting Pvt. Ltd., Gurugram, Haryana.
70	Galvolume sheet for roofing, cladding, sandwich panel	Bhushan	Bhushan steel
		Essar	Essar Group
		JSW	JSW
		Llyod metal craft	Llyod Insulation
		Tata Blue Scope	Tata Blue Scope
71	Galvanising	Jenco	Jenco Group
		Karamtara	Karamtara Engineering Pvt.,Ltd.
		Steel lite	Galvanized Steel Ltd.
72	G I Pipe fittings	HB	HB Industries
		ICS	Sgree samarth Englnears
		Surya	Surya Roshni Ltd.
		TATA	TATA Steel Ltd.,
		Unik	Unik malleable
		Zoloto	Zoloto Industfiea
73	G.I. Pipes	HISSAR	HISSAR
		Jindal	Jindal Pipes Ltd.,
		Surya	Surya Roshni Ltd.
		TATA	TATA Steel Ltd.,
		Zenith	Zenith Birla (India) Ltd.
74	Glass door hardware	Classic	Classic Hardware
		Dorma	Dorma India Pvt. Ltd.
		Dorset	Dorset Industries Pvt. Ltd.
		Geze	Geze GMBH
		Godrej	Godrej

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Hafele	Hafele India Pvt. Ltd.
		Kich	Kich Architectural Products Ltd.
		Ozone	Ozone Hardware
		Squash	Squash glass doors
75	Glass mosaic tiles	Birla White	Birla Corportion Ltd.
		Bisazza	Bisazza Italy
		Coral	Coral tiles
		Italia	Tie italia mosaic Pvt Ltd
		JK White	JK Cement Ltd.
		Mridul	Mridut tiles
		Paljadto	Palladto Mosaics
		PAVIT (Eco Tile)	PAVIT Ceramics Pvt Ltd.
76	Glazed Ceramic tiles (Also wall tiles)	Aparna	Vitero Tiles
		AGL	Asian Granite India Ltd.
		CERA	CERA Sanitaryware Ltd
		Jonson	Prism Jonson Ltd.
		Kajaria	Kajaria Ceramic Ltd.
		NITCO	NITCO Ltd.
		Oasis	M/s Oasis Vittrified Pvt.Ltd.
		Orient Bell	Orient Bell Ltd.
		RAK	RAK Ceramic India Pvt. Ltd.
		Somany	Somany Ceramic Ltd.
		Varmora Granito	Varmora Granite Granite Pvt. Ltd.
		Vitero	Vitero Tiles Floor and Wall Tile Manufactures India
		Ultra	Ultra Ltd.
		NAVEEN	M/s. Murudeshwar Ceramics Ltd., Bangaluru.
77	GRC Jali & Tile	Ecovision	Ecovision Industries Pvt Ltd.
		Mahesh GRC	Mahesh Prefab Pvt Ltd.
		Terrafirma	Terrafirma GRC Industries
		Unistone	Unistone Interiors Pvt.,Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

78	GRP/SMC Panel Tank (New product in the market performance is yet to be established)	AMITEX	AMITEX Enterprises, Delhi.
		FLOSTO Tanks	Devi Polymer Pvt., Ltd., Chennai.
		PIPECO Tanks	PIPECO Tanks
		VIVANTA	VIVANTA Enterprises, Mumbai.
79	Grout / Non shrink grout	Asian Paints - Smart casre	Asian Paints Pvt. Ltd.
		Ardex	Ardex Endura Adhesive India Pvt. Ltd.
		BASF	BASF India Ltd.
		CICO	CICO Industries
		Dr. Fixit	Pidilite Industries
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Fosroc GP2	FOSROC India
		Fugabella, Porcelana	Kerakoll India Pvt. Ltd.
		Home shield super grout	Berger Paints India Limited.
		LATA POXY	MYK LATICRETE India Pvt. LTd.
		MYK Schomburg	MYK Arments Range of products
		SIKA	Sika India Pvt.Ltd.
		Weber	Saint Gobain India Pvt. Ltd.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
80	Gun metal Valves	Audco	L&T Valves
		Leader	leader valves Ltd ,
		Sant	Sant Valaves Pvt. Ltd.
		Zoloto	Zolota Industries
81	Gypsum Board	Armstrong	Armstrong world Industries
		Gyproc Saint Gobain	Saint Gobain Gyprock India Ltd.
		Lafarge	Lafarge Gypsum India Pvt. Ltd.
		USG Boral board	USG Board India (P) Ltd.
82	Gypsum plaster	Ferrous crete (Ferro-500, Gypsum) Plaster)	Ferrous crete manufacturers
		Gyproc Saint Gobain (Elite 90)	The Saint-Gobain group
		Ultra tech	Ultra Tech Cement Ltd.
83	GRG False Ceiling Tiles	Diamond (GRG Ceiling Tiles)	Diamond International Inex Pvt. Ltd

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

84	Heat resistant tiles on terrace	ABC Ceramics	ABC Ceramics
		Endura	Johnson India
		Johnson	Johnson India
		Somany	Somany Ceramic Tiles
		Swastik	Swastik Tiles
		Thermatek	Thermatek
85	High Desity (HDF) Prelaminated board	Armstrong	Armstrong world industries Ltd.
		Green ply	Green Ply Industries Ltd.
		Pergo	Red Floor India
86	High end exterior Texture	Allura/ Graniza range	Asian paints
		Berger	Berger paints India ltd
		SKK Brand	SKK Ltd
87	Hydraulic door closers/ Floor springs	Dorma	Dorma India Pvt. Ltd.
		Dorset	Dorset Industries Pvt. Ltd.
		Everite	Everite agencies
		Godrej	Godrej locking solutioin & systems
		Hardwyn	Hardwyn hardware
		MAGNUM KIT	Mukund Overseas
88	Interlocking Concrete Paver Blocks / CC Paver Blocks	Basant Betons	Basant Betons
		BHARAT (NILSON)	Bharat
		Dazzie	Dazzle Designer tiles Pvt Ltd
		Hindustan tiles	Hindustan tiles, Ranchi Pune
		NITCO (ROCKARD)	NITCO
		REGENCY	Regency
		Shree	Shree Bharat Paver blocks
		Ultra	Ultra tile private Ltd
		Vyara Tiles	VYARA Tiles Pvt. Ltd. / Surat
		Any alternative tiles as approved by CE/SE based on local availability.	
		CEMTECH	M/s.Cemtech tiles, Uppal, Hyderabad.
89	Interior Emulsion Paints	SURFA	M/s. Surfa coats (India) Pvt.Ltd., Bangalore.
90	Laminate, Laminate wooden	Archid ply	Archid ply industries ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	flooring	A1 Teak	A1 Teak Products Pvt.,Ltd.
		Century	Centuray laminates
		Decolam	Decolam India Pvt. Ltd.
		Formica	Formica Laminates (India) Pvt. Ltd.
		Green Lam	Green lam Industries Ltd.
		KANCHAN PLY	M/s Vidya Ply & Board Pvt. Ltd
		SISECAM	M/s.Sisecam Flat Glass India Pvt. Ltd.
		Kitmica	Kitply Industries Ltd.
		Merino	Merino laminates
		Royal touche	Royal touche laminates
		Sonear	Sonear Laminates
		Sunmica	Sunmica Industries
		Action TESA	M/s. Balaji Action Buildewell Pvt. Ltd.
91	Linoleum sorts flooring	Armstrong	Armstrong flooring India Pvt. Ltd.
		Forbo	Forbo Flooring India Pvt. Ltd.
		Gerflor	Gerflor flooring
92	Locks & Latches	Dorset	Dorset Industries Pvt. Ltd.
		Godrej	Godrej locking solution & systems
		Hafele	Hafele India Pvt. Ltd.
		Harrison	Harrison locks
		Hitech	Globe Locks India
		Helix	Helix India
		Link	Link Locks
		Plaza	Bharat lock House
		Yale	ASSA ABOLOY India (P) Ltd.
93	LT Panels (TTA/PTA)	APPLICATION	M/s. Application control panels Pvt. Ltd.
94	Laminates	DECO-MICA	M/s. Deco-Mica Ltd.
95	Masking Tapes	3M	3M
		Roop	Roop Polymer Ltd.
		Sun	Sun
		Wonder polymer	Wonder Tape Industries

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

96	Melamine Polish	Asian paints	Asian paints
		Melamine Gold Wudfin	Pidilite industries
		Polycure	Polycure Malaysia
97	Mechanical coupler for reinforcement	Dextra	Dextra India Pvt Ltd.
		Sanfield	Sanfield India Ltd.
		Alchemica	Alchemica Ltd.
		Ardex Endura	Ardex Endura Ltd.
		Asian paints	Smart care water proofing products
98	Membrane water proofing system	BASF	BASF India Ltd.
		Dr. Fixit	Pidilite industries
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Hydro tech	Hydro tech Ltd.
		MYK Schomburg	MYK Arments range of products
		STP Ltd	Shalimar tar products
		Texsa	Texsa India Ltd.
99	Metalic / Steel Fire Door	Godrej	Godrej Security Solutions
		Kenwood	Kenwood Ply & Board
		MPP Schodders	MPP Technology Pvt. Ltd.
		NAVAIR	NAVAIR International Pvt. Ltd.
		Promot	Promot fire & Insulation (P) Ltd.
		Shakthi Hormann	Shakthi Hormann Pvt. Ltd.
		Signumfire Protection	Signumfire Protection pvt. Ltd.
		Sukri	Sukri Fire Doors Pvt. Ltd.
100	Metal Deck Sheet	Essar	Essar Steel Ltd.
		JSW	JSW Structural Metal Decking Ltd
		SAIL	SAIL
		TATA	TATA steel
101	Mild Steel Butt Hinges/ Piano hinges	Amit	Lovely metal Industries Pvt. Ltd.
		Deepak	Deepak
		Garg	D.P. Garg & Company
		Jolly	Jolly Engineering works

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Jyoti	Jyoti Architectural Pvt. Ltd.
		Saswat	Saswat
		Supreme	Supreme Industries
		Swift	Swift screws
102	Mirror	AIS Mirror	Asahi India Glass Ltd.
		Atul	Autl Glass Industries Ltd.
		Modi Guard	Gujarat Guardian Ltd
		Saint Gobain	Saint Gobain Glass India Ltd.,
		SISECAM	M/s.Sisecam Flat Glass India Pvt. Ltd.
		Gold Plus	M/s. Gold Plus Glass Industry Ltd., New Delhi.
103	Modular kitchen/ wardrobes/Hardware and Accessories	Evoke	Evoke
		Godrej	Godrej & Boyce co
		Sleek	Asian Paints
		Spacewood	Spacewood
104	M.S. Pipe, Tubes	Apollo	Appolo Tubes Ltd.
		JINDAL	JSW
		Kalinga	Kalinga Tubes Ltd.
		SAIL	SAIL
		Surya	Surya Roshi Ltd.
		TISCO	TATA STEEL
		MPL Steel Pipes	M/s. Mahalakshmi Profiles Pvt. Ltd.
105	Multy walled polycarbonate roofing sheets	Danapalon	Danapal Light architecture
		Lexan GE	GE lexan
106	Non Asbestos Sheets	Everest	Everest Industries
		HIL	HIL Ltd.
		RAMCO	RAMCO Industries Ltd.
107	Non Metallic Fire door	Godrej	Godrej Security Solutions
		Kenwood	Kenwood Ply & Board
		NAVAIR	NAVAIR International Pvt. Ltd.
		Promot	Promat Fire & Insulation (P) Ltd.
108	Non Metallic floor surface	BASF	BASF India Ltd

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	hardness	CICo	CICO Technologies Ltd
		Fosroc	Fosroc India
		Hardonite	Hardonite
		Ironite	Ironite
		Pidilite	Pidilite Industries Ltd
		Sika	Sika India
109	Oil Bound Distemper	Berger (BISOM)	Berger Paints
		Dulux (Maxilite)	Dulux
		MG Polyplast	Nerolac
		Tractor Aqalock	Asian Paint
110	Overdeck insulation with extruded polystyrene board (XPS board)	Dowcorning	Dowcorning
		Owen scorning	Owen scorning
		Supreme Petrochemical Ltd.	Supreme Petrochemical Ltd.
111	Panel Doors/Wire mesh Door shutters /Fire proof doors	Jain doors	Jain Door Pvt. Ltd.
		NCL	Nagarjuna
112	PE-AL-PE Composite Pipes	Kitec	Kitec Industries (India) Pvt. Ltd.
113	Pink primer/Primer	Berger	Berger Paints
		Dulex	ICI dutax
		Nerolac	Nerolac Kansia Nerolac Pains Ltd.
		Nippon	Nippon
		Wood primer	Asian paint
		SURFA	M/s. Surfa Coats (India) pvt. Ltd., Bangalore.
114	Plasticiser & Super Plasticiser	BASF	BASF India Ltd.
		Chryso-HP/ Delta / Optima	Chryso India Pvt. Ltd.
		CICO	CICO Industries
		Contrament, Power flow	MC Bauchemie (India) Pvt. Ltd.
		Conplast SP 430	FOSROC India
		MYK Schomburg	MYK Arments Range of products
		Plastiment, Sikament	Sika India Pvt. Ltd.
		Smart Care Techno Plast/Smart care maximo	Asian Paints Limited

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		plast.	
		Sunanda Chemicals	Sunanda Chemicals Ltd.
115	Plastic Encapsulated Foot Rest	Accurate Buildcon	Accurate Buildcon company
		KGM	KGM Exports
		KK India	KK Manhole and gratings Co Pvt Ltd.
116	Play Equipments	Koochie Play	Koochie Play systems Pvt ltd.
		Play world systems	Play world systems India.
117	Ply wood (commercial Ply for general purpose)	AAMODA	M/s. Jai Dayal Plywood Pvt.Ltd., Hyderabad.
118	Ply wood (Marine Grade - BWP Ply)	AAMODA	M/s. Jai Dayal Plywood Pvt.Ltd., Hyderabad.
		BLACK COBRA	M/s.Punjab Plywood Industries, Yamunanagar, Haryana.
119	Post tensioning System	BBR	BBR (India) Pvt. Ltd.
		CRUX	Crux Processing systems Pvt. Ltd.
		Ultracon	Ultracon Structural Systems Pvt. Ltd.
		VSL	VSL India pvt. Ltd.
120	Poly carbonate Sheet	Alcox	Hindeggan Alcox Ltd.
		Danapalan	Danapal Light architecture
		GE Lexon	GE Silicones
		MG Polyplast	MG Polyplast
121	Polycarbonate Convex mirrors, Rubbarised road hump	Unique safety solutions	Unique safety solutions
122	Poly sulphide sealant	Dr. Fixit	Pidilite industries
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Fosroc	Smart care sealant
		MYK Schomburg	MYK Arments range of products
		Pidilite	Pidilite Industries
		STP Ltd	Shalimar tar products
		Techseal	Choksey chemical Pvt ltd.
		Tuff seal	Bondit construction chemical
123	Polyethylene backer rod	Supreme	Supreme Industries
124	Polyurea Ultra	BASF	BASF

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Ferrous	Ferrous Crete (India) Pvt Ltd
		Pidilite	Pidilite Industries
		SIKA	SIKA India
		Smart care	Asian paints
125	Powder coating	Akzonoble	Akzonoble Coating Ltd.
		Berger	Berger Paints India Ltd.
		Jotun	Jotun Group
126	Powder & PVDF Processer	Aura International	Aura International Pvt.,Ltd.
		MJ coaters	MJ Coaters Pvt.,Ltd.
		SP Coating	SP Architectural Coating Pvt.,Ltd.
127	Prelaminated particle board Exterior Grade	Archid ply	Archid Ply Industries Ltd.
		Associate	Associate Décor Limited
		Centuary	Centuary MDF
		Ecoboard	Ecoboard Industries Ltd.
		Green Lam	Green lam Industries Ltd.
		Kitlam	Kit Ply Industries Ltd.
		Merino	Marino laminates
		Novapan	GVK Novapan Industries Pvt. Ltd.
		TESA Action Co.	TESA Action Co.
		Heritage	M/s. DECO MICA Limited, Ahmadabad.
128	Premium Acrylic smooth exterior Paint with silicon additives	Berger	Berger
		Dulux	ICI dulux
		Nerolac	Nerolac
		ULTIMA	Asian paint
129	PTMT/PVC sanitary fittings, bib cocks, pillar cock Angle valve,	PEARL	Precision Products
		Prayag	Prayag Polymers (P) Ltd
		Supreme	Supreme industries
		TRUFLO	M/s.HINDWARE LIMITED
130	PT Strands	DP Wires	DP Wires Ltd.
		TATA wiron	TATA STEEL LTD.
		Usha Martin	Usha Martin Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

131	PVC Doors and Frames	Ambieance	Ambieance
		Accucel	Accura Polytech Pvt. Ltd.
		Duroplast	Duroplast extrusion Pvt. Ltd.
		Encraft	Encraft India Pvt. Ltd.
		Plastic Wood	Plastic Wood
		Polyline	Polyline extrusion Pvt. Ltd.
		Rajshri	Rajshri Productions Pvt. Ltd.
		Sintex	Sintex Plastic technology Ltd.
		VEKA	M/s NCL Veka Ltd.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
		RAJSRHRI	M/s. Rajshri Plastiwood Pithampur, M.P.
		GIZA	M/s Navratan Specialty Chemicals LLP
132	PVC / HDPE water storage tanks	Sintex	Sintex Plastic technology Ltd.
		Supreme	Supreme Industries Ltd.
		Vectus	Vectus Industries Ltd.
133	PVC Perforated Pipes	Akash Enterprises	Akash Enterprises
		Rex Polyextrusion	Rex Polyextrusion Ltd.
		Supreme	Supreme industries.
		Zenplas Pipes	Zenplas Pipes Pvt Ltd.
134	PVC flooring	Armstrong	Armstrong world Industries
		Ger flor	Ger flor flooring
		LG Hausys	LG Hausys
135	PVC Conduits & Fittings	SUDHAKAR	M/s. Sudhakar PVC Products Pvt, Ltd.
136	PVDC coating	Akzonoble	Akzonoble Coating Ltd.
		Valspar	Valspar India Coating Corporation Ltd.
137	PU Coating (UV resistant Liquid Applied coating)	BASF	BASF
		Fosroc	Fosroc India
		Pidilite	Pidilite industries
		PU Roof Koat	Berger Paints Ltd
		SIKA	SIKA India
		Smart care	Asian paints

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

138	PU Enamel Metallic Paints on MS Structure & Epoxy paints (Premium Quality)	Akzonobel	Akzonobel
		Asian paints	Asian paints
		Berger	Berger paints India Ltd.
		MRF	MRF paints
		SKK	SKK ltd
139	Raised / Cavity flooring	Access Floor systems	Access Floor Systems
		Tate	Tate
		Uni floor	Uni floor India
		Unitile	Unitile India
		Zt floor	Zt floor Pvt.,Ltd
140	RCC Pipes / Precast concrete pipes (RCC hume pipes)	Indian Hume Pipes	Indian Hume Pipe Ltd.,
		Jain & Co	Jain spun pipes Co.,
		Lakahmi Sood & Sood	Lakshmi Sood & Sood Pipa Co.
		Madurai spun pipe	Madura spun pipe company
		Vishnu	Vishnu Spun Pipes.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
141	Ready mix cement plaster	Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Gyproc plasters	Saint Gobain Gyproc India
		Ramco super plaster melamine	Ramco super plaster melamine
		Read Plast	Ultratech cements Ltd
		Ultra tech	Ultra tech Cement Ltd
142	Red Oxide Zinc Chromate primer	Berger	Berger Paints
		Dulex	ICI dulex
		High performance yellow metal primer	Asian Paint
		Nerolac	Nerolac
		Nippon	Nippon
143	Reflective glass , High performance glass	Asahi	Asahi India Glass Ltd.
		Glaverbel	Glaverbel India
		Modifloat	Gujarat Guardian Ltd.
		Pilkinton	Pilkinton India

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		SISECAM	M/s.Sisecam Flat Glass India Pvt. Ltd.
		Saint Gobain	Saint Gobain India Pvt. Ltd.
144	RMC plants (Ready Mix Concrete)	ACC	ACC Cements Ltd
		A B Dinesh	A B Dinesh Concrete India Pvt., Ltd.
		Aparna	Aparna Ready Mix concrete
		Lafarge	Lafarge India Pvt. Ltd.
		NUVOCO	Nuvoco Vistas Corporation Ltd.
		RB Ready Mix	RB Ready Mix
		RDC	RDC Concrete (India) Pvt.Ltd.
		RMC (India)	RMC (India) Pvt. Ltd.
		Plants at - Autonagar, Gajuwaka & Atchutapuram @ Visakhapatnam. Plants at - Ankireddy Palem, Kolanukonda @ Guntur.	M/s. Sarvani Industries Pvt. Ltd., Guntur.
		Ultra Tech	Ultra Tech Cement Ltd
		JK Concrete	M/s JK Ready Mix Concrete
		M/s. Sarvani Industries Pvt. Ltd, RMC Plants at - Varisam Village, Ranasthalam (M), Srikakulam Dist. & Kapuluppada Village, Bhimili (M), Visakhapatnam Dist.	M/s Sarvani Industries Pvt, Ltd.
145	Rockwool/Glass wool insulation	Liyod Insulation	Liyod Insulation ltd.
		Supreme	Supreme Industries ltd.
		Twiga fiber	Twiga fiber glass ltd
146	Sandwich PUF panelled roofing sheets	Advent	Advent concrete vision
		BASF	BASF
		Danapalan	Danapal Light architecture
		Essar	Essar Group.
		Fosroc	Fosroc
		GE Plastic	GE Silicones
		GE Plastic	GE Silicones

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		JINDAL MECTEC/ JINDAL	Mectec Pvt Ltd
		LEXAN	LEXAN Ltd
		Liyod Insulation	Liyod Insulation (India) ltd
		Lloyd Insulation	Lloyd insulation (India) Ltd
		Pidilite	Pidilite Industries ltd
		Smart care	Asian paints
		Supreme	Supreme ltd
147	Sensor based Auto flush systems	AOS System	AOS System
		Grohe	Grohe
		Hindware	HSIL Ltd
		Jaquar	Jaquar Group
		Kochier	Kochier
		Parryware	Parryware Sanitary ware
		TOTO	TOTO ltd.
148	SFRC Cover and grating	Nu-TEC	Nu-Tech concrete products (P) Lld.,.
		KK	KK Manhole and gratings Co Pvt Ltd.,
		Kutty	Kutty Industries
149	Shear Stud/ Connector	KOCO	KOSTER & CO
150	Silicon coating	BASF	BASF India Ltd.
		Dow Corning	Dow corning Indd
		GE	GE Silicones
		Wacker	Wacker silicones
151	Silicon Gaskets	Sree Geurev	Sree Gaurav Rubber products
152	Solar studs/ Median markers	3M	3M Science
		Avery Dennison	Avery Donnison India Pvt Ltd.
		Nikkalite	Nippon carbide Industires (USA)
153	Spider patch fittings for structural glazing	Dorma	Dormakaba
		hafele	Hafele Ltd.
		Kich	Kich india
		Ozone	Ozone Ltd.
		Sevax	Saint Gobain Glass India ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

154	Spray applied Readymade plaster/ Gypsum plaster	Buildon	Buildon
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Gyproc cute 100	Gyproc India.
		Ultratech	Ultratech cement ltd.
155	Spun cast iron fittings	Neco	JayaSwal Neco Ltd
		Kartar	Kartar valves private Ltd. ,
		Electrosteel	Electrosteel
		Kapilansh Centrifugal	Kapilansh Dhatu Udyoo (P)Ltd.
		SKF brand	SINGHALIRON FOUNOARY Pvt. Ltd.
156	Spun cast iron covers & gratings	Jagannath	Sri Jaqannath iron Foundry Pvt. Ltd
		Kapilansh Centrifugal	Kapilansh Dhatu Udyoo{P)Ltd.
		Neco	Jayaswal Neco Ltd
		SKF brand	SINGHALIRON FOUNOARY Pvt. Ltd
157	Stainless Steel / Stainless Steel Pipes	Ark Product Pvt. Ltd.	Ark Product Pvt. Ltd.
		Connect	Connect Ltd.
		Jindal	JSW
		KINGSTON	KINGSTON
		Salem	SAIL
		SAIL	SAIL
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
158	Stainless Steel screws	Alloy	Alloy Ltd.
		Atul	Atul fasteners Ltd.
		GKW	GKW Limited
		Helix	Helix India
		Kundan	Kundan Industries Ltd.
		Nettlefold	Nettlefold Screws
		Pooja	Pooja Steel Corporation
159	Stainless steel Butt hinges	Dorma	Dorma India Pvt. Ltd.
		Helix	Helix India
		Prayag	Prayag Polymers (P) Ltd.
		Ozone	Ozone Hardware

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

160	Stainless steel friction hinges	Earl Bihari	Earl Bihari India Pvt. Ltd.
		EBCO	EBCO
		Hetich	Hetich India
		Haffle	Haffle India Pvt. Ltd.
		ROTO	ROTO Frank Asia
		Securistyle	Securityle India Pvt. Ltd.
161	Stainless steel Bolts, washers, nuts	Atul	Atul fasteners Ltd.
		Hilti	Hilti India Pvt. Ltd.
		Kundan	Kundan Industries Ltd.
		Pooja	Pooja Steel Corporation
162	Stainless steel pressure plate screws	Atul	Atul fasteners Ltd.
		Dorset	Dorset Industries Pvt.Ltd.
		Kundan	Kundan Industries Ltd.
		Pooja	Pooja Steel Corporation
163	Stainless steel handles	Dorset/Dorma	Dorma India Pvt. Ltd.
164	Stainless Steel Kitchen sink	CERA	M/s Cera Sanitaryware Ltd.
		Diamond	Pheonix Appliances Pvt. Ltd.
		Franke	Franke India Ltd.
		Futura	Futura Kichen Sinks India Pvt. Ltd.
		Hindware	HSIL Ltd
		Jhonson	Prision Jhonson Ltd.,
		Jindal	Centuary polytech
		Joyna	Joyna
		Navkar	Shri Navkar Metals Ltd
		Nilkanth	Nilkant
		PRAYAG	M/s. Prayag Polymers Pvt. Ltd.
		Nirali	Jyoti (India) Matel Industries Pvt Ltd
		Silver Shine	Blue stone sanitary Industries Pvt. Ltd.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
165	Steel Windows/ Pressed steel frames	Accucel	Accura polytech Pvt ltd.
		Madhu industries	Madhu industries, San Harvic, NCL

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		NCL	NCL Industries
		San Harvic	San Harvic
166	Structural Steel	APL	Apollo Tubes Ltd
		JSPL	JSPL
		JSW	JSW
		SAIL	SAIL
		TISCO	TATA STEEL
		VIZAG	RINL
167	Structural sealant	Asian paints	Smart care sealant
		BASF	BASF India Ltd.
		Dow corning	Dow corning india
		Fosroc	Fosroc India
		GE	GE silicones
		STP Ltd.	Shalimar tar products
		Wacker	Wacker silicones
168	Synthetic enamel Paint	Berger	Berger Paints
		Dulex	ICI dulex Ltd
		Premium gloss enamel	Asian paint Ltd
		Nerolac	Nerolac Paints Ltd
		Nippon	Nippon Paint India Ltd.
		SURFA	M/s. Surfa Coats (india) Pvt. Ltd., Bangalore.
169	Synthetic Carpet tiles	Hollitex	Hoilitex carper tilas
		Standard Carpets	Standard Carpets
		TOLI	TOLI Corporation
170	Synthetic Sports Flooring	Armstrong	Armstrong flooring
		Gerflor	RMG Polyvinyl India Ltd.
		LG Wondorfloor	LG Hausys India
171	SWR PVC Pipes & fittings	Astral	Astral poiYTECHNIK Ltd.
		Finolex	Finolex Industries Ltd .
		Flowgard	Ashirwad PVC Pipes
		Nandi	Nandi pipes Pvt., Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Prince	Prince Pipes and fittings
		Sudhakar	Sudhakar PVC Pipes
		Supreme	Supreme Industries Ltd.
172	Swell able water stop	KRYTON	M/s. Kryton Buildmat Co. Pvt Ltd., Gurugram, Haryana.
173	Tempered reflective/ clear glass	Asahi	Asahi India Glass Ltd.
		FUSO	FUSO Glass India Pvt. Ltd.
		Gurind	Gurind India
		Imapct Safety	Impact Safety glass works Pvt. Ltd.
		Modiguard	Gujarat Guardian Ltd.
		Pilkington	Pilkington India Pvt. Ltd.
		Saint Gobain	Saint Gobain India Pvt. Ltd.
174	Thermal Insulation treatment	Asian	Asian Paints Ltd.
		Elastospray	BASF
		Pidilite	Pidilite Industries
		Rock India Pvt. Ltd	Rock India Pvt. Ltd
		Weather Kool & Seal	Berger Paints India Ltd.
175	TMT Bars	JSW	JSW Steel Ltd.
		SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL LTD.
		VIZAG	Rastriya Inspat Nigam Ltd.
176	Tinted and Coated glass	Gold Plus	M/s. Gold Plus Glass Industry Ltd., New Delhi.
177	Transformers	KPEL	M/s. Kanyaka Parameshwari Engg. Ltd.
178	Tube Based Gas Fire Suppression System	ASES (Agni Suraksha)	M/s. ASES Security Pvt. Ltd.
179	Tubular poles, Octagonal Poles , Conical Poles and High Masts	CONSOUL	M/s. R.R.ISPAT
180	UPVC -UGD /UGD Pipes and Fittings.	SUDHAKAR	M/s. Sudhakar Polymers Pvt. Ltd.
		AKG	M/s. AKG Extrusions Pvt. Ltd.
		DEC	M/s.DEC Industries Pvt. Ltd., Hyd .
		SENTINI	M/s. Sentini Flopipes India Pvt. Ltd.
181	UPVC (SWR) Pipes and	AKG	AKG

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	fittings (Rain water pipes)	Astral	Astral polytechnik Ltd.
		Ashirwad	Aahirwad PVC Pipes
		Finolex	Finales Industries Ltd.
		KSR	KSR
		Prepoly	Premier PVC Industry
		Prince	Pnnce pipes and fittings Ltd.
		Supreme	Supeme industries Ltd.
		AKG	M/s. AKG Extrusions Pvt. Ltd.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
		SENTINI	M/s. Sentini Flopipes India Pvt. Ltd.
		TRUFLO	M/s.HINDWARE LIMITED
182	UPVC doors, door frames and windows	Aluplast	Alu Alpha India
		Duroplast	Duro Plast Extrusion Pvt. Ltd.
		Encraft	Encraft India Pvt. Ltd.
		Fenesta	Fenesta DCM Shriman
		Komarling	Profile India Window Technology Pvt. Ltd.
		LG	LG India Pvt. Ltd.
		RAJSRHRI	M/s. Rajshri Plastiwood, Pithampu, M.P.
		MARCOLINI	M/s Mathura Poly pack Pvt, Ltd.
		Prominace	M/s Prominace Window Systems
		Rehau	Rehau Unlimited Polymer Solutions
		Sintex	Sintex Plastic technology Ltd.
		Venster/ OKOTECH	Aparna Enterprises limited
		VEKA	M/s NCL Veka Ltd.
		Plast One	M/s.Plast one UPVC Profiles Pvt. Ltd., Secunderabad.
		YASHPOLY	M/s.Yashashri Polyextrusion Pvt. Ltd.
		SIMTA ASTRIX	M/s Simta Clear Coat Pvt.Ltd.
		SHINE TECH	M/s BONDADA ECOBUILD PRIVATE LIMITED
183	UPVC Doors & Windows profiles	SIMTA ASTRIX	M/s. Simta Clear Coat Pvt. Ltd., Hyderabad.
		YASHPOLY	M/s.Yashashri Polyextrusion Pvt. Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		VEKA	NCL VEKA Pvt.,Ltd
		PROZONIC	M/s PROZONIC EXTRUSIONS PRIVATE LIMITED
184	UPVC Hardware	COAR	COAR
		DNV	DNV Global Pvt.,Ltd
		HOPPE	HOPPE
		PULSE	LGF SYSMAC (India) Pvt.,Ltd.
	uPVC and Aluminium Doors, Windows Hardware and Accessories.	WINDSEAL	M/s. WINDSEAL HARDWARE INDUSTRIES.
185	Vitreous Commodes/ Washbasin	BATHSENSE	Asian paints (Bath division)
		CERA	CERA Sanitaryware Ltd.,
		Hindware	HSIL Ltd.
		Jaquar	Jaquar Group
		Kerovit	M/s Kajaria Ceramic limited
		Kohler	Kohler world Wide
		Parryware	ROCA Bath Pvt. Ltd.,
		Roca	ROCA Bath room products
		RAK Sanitaryware	RAK Sanitaryware
		Somany	Somany Ceramic Ltd.
186	Vitrified paving tiles	Durostone	Ever stone International
		Johnson	Johnson India
		Kajaria	Kajaria Ceramics
		PAVIT	PAVIT Ceramics Pvt. Ltd.
187	Vitrified Tiles	AGL	Asian Granite India Ltd.
		CERA	M/s CERA sanitary ware Ltd.
		Johnson	Prism Johnson Ltd.
		Kajaria	Kajaria Ceramic Ltd.
		Marbitto	Marito tiles
		NITCO	NITCO Ltd.
		Oasis	M/s Oasis Vitrified Pvt.Ltd.
		RAK	RAK Ceramic India Pvt. Ltd.
		Restile	Restile Ceramic Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Somany	Somany Ceramic Ltd.
		Varmora Granito	Varmora Granite Pvt. Ltd.
		NAVEEN	M/s.Murudeshwar Ceramics Ltd., Bangaluru.
		Vitero	Aparna Enterprises limited
188	Water Proof Plywood, Commercial ply, Fire retardant ply and Block boards / Shuttering ply	Archidply	Archid Ply Industries Ltd.
		A1 Teak	A1 teak Industries Pvt. Ltd.
		Century ply	Century Flush Doors
		Duroply	Duro Ply Industries Ltd.
		Duroplast	Duroplast
		Dura sleek	Dura sleek
		Grassim ply	Shree Ram Industries
		Green panel	Green panel Industries Lid.
		Green Ply	Green Ply Industries Ltd.
		Jayna ply	Jain Wood Industries
		KANCHAN PLY	M/s Vidya Ply & Board Pvt. Ltd
		Kitply	Kitply Industries Ltd.
		Polyline	Polyline
		AAMODA	M/s. Jai Dayal Plywood Pvt. Ltd., Hyderabad.
		BLACK COBRA	M/s. Punjab Plywood Industries, Yamunanagar, Haryana.
189	Water Proof cement paint	Asian exterior wall primer	Asisn paint
		Berger	Bergar Paints
		Cem Colour	Snowcem Paints
		ICI DULUX	ICI DULUX
		Surfa	Surfacoats (India) Pvt. Ltd.
190	Water supply Valves	ARCO	Arco valves Pvt. Ltd ,
		leader	leader valves Ltd ,
		Nanda	Nanda Miller company
		Zoloto	Zoloto Industries
191	Welding rods	Advani	Advani oerlikon Ltd.
		ESAB	ESAB India Pvt. Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		ESS, BATHSENSE & Premium Range : Royale	Asian Paints (Bath Division)
		HINDWare	HSIL Ltd.
		Jaquar	Jaquar Group
192	Water supply fixtures like bibcock, Shower panels	Johnson	Prism Jhonson Ltd
		Kerovit	M/s Kalaria Ceramic limited
		Kingston	Kingston brass India
		MARC	MARK Showers
		Metro	Metro sanitations Pvt. Ltd.,
		Parryware	ROCO bath room products Pvt. Ltd,
		Prayag	Prayag polymers Pvt Ltd ,
		Seiko	Seiko Sanitations
		Waterman	Kewal brothers
193	Water proofing Compound	Accoproof	ACC cement Ltd.
		Alchemica	Alchemica Ltd.
		Ardex Endura	Ardex Endura (India) Ltd.
		Asian Paints	Asian Paints
		CICO	CICO Technologies Ltd.
		Cement Mix Plus/Advanced Latex Plus	Berger Paints India Ltd.
		Dr. Fixit	Pidilite industries
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Fosroc	Fosroc India
		Impermo	Snoweem paints
		MYK Schomburg	MYK Schomburg range of products
		Penetron	Penetron India Pvt Ltd.
		Shalplast LW+	STP Ltd
		Sika	Sika India
		KRYTON	M/s. Kryton Buildmat Co. Pvt. Ltd., Gurugram, Haryana.
194	Water stops	Ardex Endura	Ardex Endura Ltd.
		BASF	BASF India Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Dr. Fixit	Pidilite industries
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Hydroswell	Sika India
		Hydrotite	Sika India
195	Water proofing materials/ GP Grouts	Asian paints	Smart care SC GP grout grey
		BASF	BASF
		Care	Care
		Ferrous crete	Ferrous Crete (India) Pvt Ltd
		Home shield Super grout	Berger Paints Ltd.
		Pidilite	Pidilite Industries
		SIKA	SIKA India
196	Weather silicon make and grade	Down corning	Down corning india
		Momentive (GE)	GE silicone
197	White Cement	Birla	Birla Corporation Ltd.
		J.K.	JK Cement Ltd.
		Travancore	Travancore Cements Ltd.
198	Wood Polymer composite material for door frames and shutters, plain/pre laminated boards for wall linings etc.	Alstone	Alstone Industries Pvt., Ltd., Jaipur, Rajastan.
		Century	M/s Century Ply Boards (I) Limited
		Ecoste	Ecoste wood polymer composite, Delhi.
		Echon	Kumar Arch Tech, Pvt.Ltd., Rajastan.
		Green ply	Greenply Industries Limited
		Qute	Qute Extractions Pvt.Ltd., Chennai.
		Rajasree	Rajeswari Products Pvt.,Ltd., Madya Pradesh.
199	Wooden Flush door shutters	Archiply	Archiply
		A1 Teak	A1 Teak Products Ltd.
		Century	Century Flush Doors
		Duro Flushdoors	Dura Ply industries Ltd.
		Greenlam	Greenlam Ply Industries Ltd.
		Indian Timber Products	Indian Timber Products
		Jain doors Pvt.Ltd.	Jain doors Pvt.Ltd.
		Jayna Flush Doors	Jain Wood Industries

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

		Kailash	Kailash Hi Tech Timber Industries India Pvt. Ltd.
		KANCHAN PLY	M/s Vidya Ply & Board Pvt. Ltd
		Kenwood	Kenwood Ply & Board
		Kitply	Kitply Industries Ltd.
		Mayur	Mayur Ply industries
		MP Ply wood products	MP Wood products
		National plywood	National plywood
		Raavella door	Raavella Industries (P) Ltd.
		Shakthi	Shree Shakthi Modern Flush doors
		Swatic ply	Swatic ply
		Vidya ply	Vidya ply
		AAMODA	M/s. Jai Dayal Ply wood Pvt. Ltd., Hyderabad.
		BLACK COBRA	M/s. Punjab Plywood Industries, Yamunanagar, Haryana.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
200	Wires & Cables	UNISTAR	M/s. Universal Cables Ltd
		ORBIT	M/s. Orbit wires & cables India Pvt. Ltd
		NAKODA	M/s. Nakoda Wires & Cables
		FORTUNEARRT	M/s. FortuneArtr Wires & Cables Pvt. Ltd
		AKG	M/s. AKG Plastics Pvt. Ltd
201	Wires & LT & HT Cables	FINECAB	M/s. Finecab Wires & Cables Pvt. Ltd.
		GLOSTER	M/s. Gloster Cables Ltd.
202	Laminated sheet	Heritage	M/s. DECO MICA Limited, Ahmadabad.
203	MDF Board	Heritage	M/s. DECO MICA Limited, Ahmadabad.
204	WPC frame of size 90x45 mm for doors & windows.	MAGMA	M/s. SMP IMPEX, Bangalore
		GIZA	M/s Navratan Specialty Chemicals LLP
205	WPC sheet 28 mm thick for doors & windows.	MAGMA	M/s. SMP IMPEX, Bangalore
		GIZA	M/s Navratan Specialty Chemicals LLP
206	PVC sheet 5 mm thick for panelling in doors, windows etc.	MAGMA	M/s. SMP IMPEX, Bangalore
		GIZA	M/s Navratan Specialty Chemicals LLP
207	Precast concrete manhole covers and frames (IS-12592-	DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	2002)		
208	HD PE pipes for water supply (IS 4984-2016)	DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
209	Admixute (PC, SNF)	DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
210	SBR latex	DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
211	Cold rolled closed Annealed (CRCA) door frames.	DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
212	WPC Doors	RAJSRHRI	M/s. Rajshri Plastiwood, Pithampur, M.P.
		DEC	M/s. DEC Industries Pvt. Ltd., Hyderabad.
213	FRP Doors	-	-
214	Pre-Painted Galvanized iron / Steel doors & Windows	-	-
215	Wall Putty (White cement based)	-	-
216	CP water supply fixtures - stop valve & angle Valve	JAYNAM	M/s. Jain Enterprises
217	UPVC pipes for water supply	PRAYAG	M/s. Prayag Polymers Pvt. Ltd.
218	UPVC - SWR pipes & fittings	PRAYAG	M/s. Prayag Polymers Pvt. Ltd.
		Birla Hil Pipes	M/s. Hil Ltd.
219	Plastic Seat & Covers for water closter	PRAYAG	M/s. Prayag Polymers Pvt. Ltd.
220	Plastic flushing Cisterns for water closets & Urinals.	PRAYAG	M/s. Prayag Polymers Pvt. Ltd.
221	Tabular Steel door frames - MS/GI/GP	APL APOLLO CHAUKHAT	M/s. Radha Smelters Pvt. Ltd.
222	IoT based building Management System (S.T. Open Protocols)	WIS Spaces	M/s.Wenalytics IoT Solutions Pvt. Ltd.
223	CP Bath Fittings & Accessories	CORONET	M/s. Mohan Metal Industries
		EssEss"ap Royale" and "Bathsense"	M/s. Asian Paints Limited
224	UPVC pipes for water supply	Birla Hil Pipes	M/s. Hil Ltd.
	UPVC-SWR Pipes & Fittings.		
	CPVC Pipes & Fittings	SENTINI	M/s. Sentini Flopipes India Pvt. Ltd.
		TRUFLO	M/s.HINDWARE LIMITED
225	Aerocon Panels (Sand Witted)	BIRLA AEROCON	M/s. Hil Ltd.
226	Door & Window Fittings (Aluminium, Mild Steel, Stainless steel & Brass)	CROWN	M/s. Crown Industries.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

227	Green Panel Board (HDF Laminates)	Green Panel	M/s. Mohan Metal Industries
228	Pre laminated Board (MDF)	Green Panel	M/s. Mohan Metal Industries
229	S.S Hard ware (Tower bolts, SS Door Handles, SS Built Hinges, S.S Aldrop	-	-
230	AAC Blocks	SMART BRIX	M/s Smart Brix Infra Technology Pvt.Ltd.,
		FUSION	M/s FUSION BUILDING MATERIALS (VIZAG) PRIVATE LIMITED
231	CC Parking tiles, Chequered tiles	-	-
232	Concrete Kerb Stones	-	-
233	Door & Windows fittings		
	a)Tower bolts - Non ferrous metal (IS-204)	Global	M/s Aluminuim Udyog, New Delhi
	Sliding,door blots-Non ferrous Aldrops (IS 2681)		
	Butt hinges -Non ferrous (IS - 205)		
	Door handles (IS -208)		
234	Reflective Glass	Guardian Sun Guard	M/s Gujarat Guardian Ltd.
235	Variable Frequency Drive	YASKAWA	M/s Yaskawa India Pvt.Ltd.
236	GGBS	JSW	M/s JSW Cement Ltd.
237	HPL Sheets & Laminates	VIRGO	M/s VIRGO Laminates Ltd.
		ALUTECH	M/s Alutech industries
238	Prelaminated cement bonded particle board	BISON PANEL	M/s. NCL Industries Ltd.
239	a. Pre Painted Galvanized iron/steel doors & windows. b. UPVC doors & windows. (Conforming to relevant Standards) c). FRP doors (IS : 14856)	-	-
240	UPVC (SWR) Pipes & Fittings (IS: 13592 & IS: 14735)	DEC	M/s. DEC Industries Pvt. Ltd
	CPVC pipes & Fittings (IS: 15778)		
	Wooden Flush door shutters (Solid core type) Part-I Plywood face panels (IS 2202-Pt-I)		
	Precase concrete manhole		

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	covers and frame (IS-12592-2002)		
	Stainless steel kitchen sink (Type A2 single bowl without drainer) (IS 13983)		
	UUPVC-UGD pipes (IS 15328)		
	Precase concrete pipes (RCC hume pipes) (IS 458-2021)		
	HD PE pipes for water supply (IS 4984-2016)		
	PVC doors & Frames		
	*Admixute (PC,SNF) *Non shrink grout *SBR latex (* Subject to statutory approvals)		
	Cold rolled closed Annealed (CRCA)		
	Stainless Steel pipes (with emboss/mark "RM by JINDAL")		
241	Outdoor Poles & Fittings	FORTUNEARRT	M/s. FortuneArrt LED Lighting Pvt. Ltd.
242	PVC Conduits, Lt Panels, GI Modular boxes, Switches and Sockets. & Wires, TTE Associate Panels.	DEC	M/s. DEC Industries Pvt. Ltd
243	CPVC Pipes	PRAYG	M/s. Prayag Polymers Pvt. Ltd.
	UPVC Pipes for water supply		
	UPVC -SWR Pipes & Fittings		
	Stainless Steel Kitchen Sinks		
	Plastic Seat & Covers for water Closter.		
	Plastic Flushing Cisterns for water closets & urinals.		
	C.P.brass faucets & Fixtures		
	PTMT fittings		
	Water storage tanks		
	HDPE pipes		
244	Transparent Float Glass	SISECAM	M/s. Sisecam Flat Glass India Pvt. Ltd.
	Reflective Glass, High Performance Glass Mirror		
245	CPVC Pipes & Fittings.	AKG	M/s. AKG Extrusions Pvt. Ltd

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	UPVC Pipes & Fittings (For water supply)		
	UPVC-SWR Pipes & Fittings		
246	Vitrified Tiles	SUNHEARRT CERAMIK	M/s. Sunshine Tiles Company Pvt. Ltd
		GRAVES	M/s.LARSEN &TOUBRO LIMITED
	Ceramic Tiles	SUNHEARRT CERAMIK	M/s. Sunshine Tiles Company Pvt. Ltd
		GRAVES	M/s.LARSEN &TOUBRO LIMITED
247	MS Pipes & Tubes	APL APOLLO	M/s. APL Apollo Tubes Ltd.
	Structural Steel		
248	Sluice Valves (IS-1486)	KARTAR	M/s. Kartar Valves Pvt. Ltd.
	Butterfly Valves (IS-13095)		
	Non Return (Reflux) Valves (IS-5312)		
	Ball Valves (IS-9890-1981)		
	GM Gate Globe & Check Valves		
	Ductile Iron Fittings (IS-9523)		
249	PVC - Boards, Doors	BLACK COBRA	M/s. Yamuna Interiors Pvt. Ltd
	WPC - Boards, Doors		
250	WPC - Boards	ECOSTE	M/s. Asma Traexim Pvt. Ltd
	WPC - Doors		
	WPC - Jali		
251	Particle Board 18 mm thick	HERITAGE	M/s.Deco Mica Limited, Ahmadabad
252	PVC Sheets : 3mm to 30mm thick & WPC Sheets : 6mm to 30mm thick.	GIZA	M/s. Navratan Specialty Chemicals LLP
253	PVC & WPC Frames and Door shutters.	GIZA	M/s. Navratan Specialty Chemicals LLP., Ahmedabad-380051, Gujarat.
254	False Ceiling (Mineral Fibre/Metal Grit)	-	-
	False Ceiling System (Ceiling Sections, Channel (Perimeter & intermediate), Ceiling Angles)		
	WPC doors & frames		
	Fire Rated door (Metal Door).		
255	Metal False Ceiling	HI- STEEL of M/s P.R Products	M/s P.R Products

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

256	Water proofing compounds & chemicals	SUNANDA	M/s. Sunanda Specialty Coatings Pvt. Ltd.
	Membrane W/P System		
	PU paints, EPOXY Paints		
257	Vertical zebra blinds	Vista	
258	Stainless Kitchen Equipments and Drain grating	Koncept	M/s Koncept Solutions
259	Stainless Steel Dustbins	Koncept	M/s Koncept Solutions
260	Super Plasticizers (Retarders)	AC-MENT-BV 430 A3	Apple Chemie (I) Pvt.Ltd
261	APCP Based High Performance Hyper Plasticizers for Self Compacting Concrete with Higher Slump Retention	Visco Flux 5507/6073	Apple Chemie (I) Pvt.Ltd
262	Pentratave BI-Polar Corrosion Inhibiting Admixture	AC-Corroguard	Apple Chemie (I) Pvt.Ltd
263	Micro Silica Additives (Pozzolanic Material)	AC-Microsil- Si9+	Apple Chemie (I) Pvt.Ltd
264	Crystal Line Water proofing Admixture (PRAH Based)	AC-Crystacrete	Apple Chemie (I) Pvt.Ltd
265	Curing Compounds	AC-Cure R-(M)	Apple Chemie (I) Pvt.Ltd
266	PU Sealant	AC-Proseal 400	Apple Chemie (I) Pvt.Ltd
267	Coal Tar Epoxy Coating	AC-DUR-CT(S)	Apple Chemie (I) Pvt.Ltd
268	Ploy Urethane water proofing	AC-1K-PU	Apple Chemie (I) Pvt.Ltd
269	Plumbing products - CPVC, SWR, PVC, uPVC pipes	SUKI	M/s. Suki Water Solutions Pvt. Ltd.
270	Soli panel PVC Door	Kaka	M/s.Kaka Industries Limited
	PVC Frames		
	Hollow PVC Door & Door Frames		
	WPC Board		
	WPC Doors and Frames		
271	MOTORS & PLASTERS	Ultratech	M/s. Ultratech Cement Limited.
	Ultratech Fixoblock		
	Ultratech Readiplast RP		
	Ultratech Basekrete		
	TILE ADHESIVES & TILE GROUT		

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	Tilefixo – VT		
	Tilefixo – NT		
	Tile fixo style expoxy grout		
	INDUSTRIAL & PRECISION GROUTS		
	Power Grout NS2 Normal & Flowable		
	Power Grout NS2 Normal & Flowable		
	Power Grout NS3 Normal & Flowable		
	REPAIR & REHABILITATION		
	Ultratech Microkrete		
272	Internal and External Paints	JSW Paints	M/s. JSW Paints Private Limited.
273	Ajay Flowline Plus CPVC pipes & fittings	AJAY PIPES	M/s. Ajay Industrial Corporation Limited
	Ajay Greenline UPVC Pipes & fittings		
	Ajay Drainline SWR pipes & Fittings		
274	Floor & Wall Tiles	Vitero Brand	M/s. Aparna Enterprises Limited
275	MS ERW PIPES & TUBES	MS VAYU	M/s Maruti Ispat & Pipes (P) Ltd.
276	UPVC (SWR) Pipes & fittings.	DEC Industries	M/s. DEC Industries Pvt. Ltd.
	CPVC pipes & Fittings.		
	Wooden Flush door shutters (Solid core type) Part-I Plywood face panels.		
	Precast concrete manhole covers and frame		
	Stainless steel kitchen sink (Type A2 single bowl without drainer).		
	UPVC – UGD pipes.		
	Precast concrete pipes (RCC Hume pipes).		
	HD PE Pipes for water supply		
	Admixture (PC, SNF)		
	Non Shrink grout.		
	SBR Latex.		
277	Electrical Conduit Pipes (IS 9537: PART 3 : 1983)	SUDHAKAR	M/s Sudhakar PVC Products Private Ltd.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	PVC Water Storage Tank. (IS 12701 : 1996)		
	CPVC pipes & fittings. (IS 15778: 2007)		
278	Polyethylene Pipes for Water Supply. (IS 4984 : 2016)	SUDHAKAR	M/s Sudhakar PVC Products Private Ltd.
	uPVC Pipes for potable water supplies. (4985: 2021)		
	UPVC UGD Pipes (IS 1532: 2003)		
	UPVC SWR Pipes (IS 13592 : 2013)		
	uPVC Profiles for Windows and doors (IS 17953 : 2023)		
279	HDF Panel Doors, Wooden Flush doors, Plywood, Marine Plywood and Block boards.	KALPATARU	V.K.Patel Company
280	Grout / General Purpose Grout. Epoxy Paints and Coatings. Waterproofing Compound. Membrane Waterproofing System. Chemical Waterproofing System. PU Coating. Self-Leveling Compound. Admixtures of Concrete.	MAPEI	M/s. Mapei Construction Products India Pvt. Ltd.
281	MS & GI Pipes and Hollow sections	FORTUNE	M/s. Fortune Metals Limited.
282	i) Wooden Flush Door Shutters (Solid Core Type), ii) Block Boards, iii) Plywood for General Purpose, iv) Plywood (Marine Grade, BWP Ply).	AAMODA	M/s.Jai Dayal Plywood Pvt. Ltd.
283	Fibre cement boards	V-Board and V-Panel	M/s Visaka Industries Limited
284	Cement based adhesives (Tile & Stone), Epoxy Grout (Tile/ Stone), Specialty adhesives (Tile/ Stone), Screed, Self leveling compound and AAC block Adhesive.	MYK LATICRETE	M/s MYK Laticrete India Pvt. Ltd.
285	i)Aluminium Composite Panel. ii) Aluminium (HPL) High Pressure Laminate. iii) Aluminium Fins & Louvers.	ALUMAZE ELITE	M/s. GOVIND INTERNATIONAL

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

	iv) Aluminium Honeycomb Panel.		
286	i) Concrete Admixtures, ii) Waterproofing Membranes or Coatings, iii) Expansion Joint Sealants, iv) Repair & Restoration, v) Protective Coatings, vi) Grouts & Anchors and vii) PU Flooring & Epoxy flooring.	MYK Arment	M/s. MYK Arment Private Limited
287	i) DWC Pipe, ii) HDPE Pipe and iii) UPVC Pipe.	JK POLYEXTRUSION	M/s. JK POLYEXTRUSION
288	i) AAC Blocks and Jointing Mortar, ii) Prefabricated Sandwich Panels, iii) Fibre Cement Boards, iv) Putty, v) Pipes & Fittings (CPVC, UPVC, SWR, AGRI, PRESSURE, HDPE, UGD, FOAMCORE Etc.).	Birlanu	M/s. BirlaNu Limited (Formerly HIL Limited)
289	i) Tile Adhesive/Tile Grouts ii) Waterproofing compounds	HARD WORKER	M/s THE RAMCO CEMENTS LIMITED.

***Note:**

1. Any other brand as approved by CE-Hyderabad, CPWD from time to time valid as on date.
2. The above list is provisional and subject to product conformity of standards of relevant codes.
3. Any other brand as approved by the ADG -H, CPWD will also become part of the above list valid as on date.
4. The Products mentioned above are indicative, should have valid BIS Licenses, valid approvals of **CE-HYD/ADG Hyderabad, CPWD** as on date during the period of work execution.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

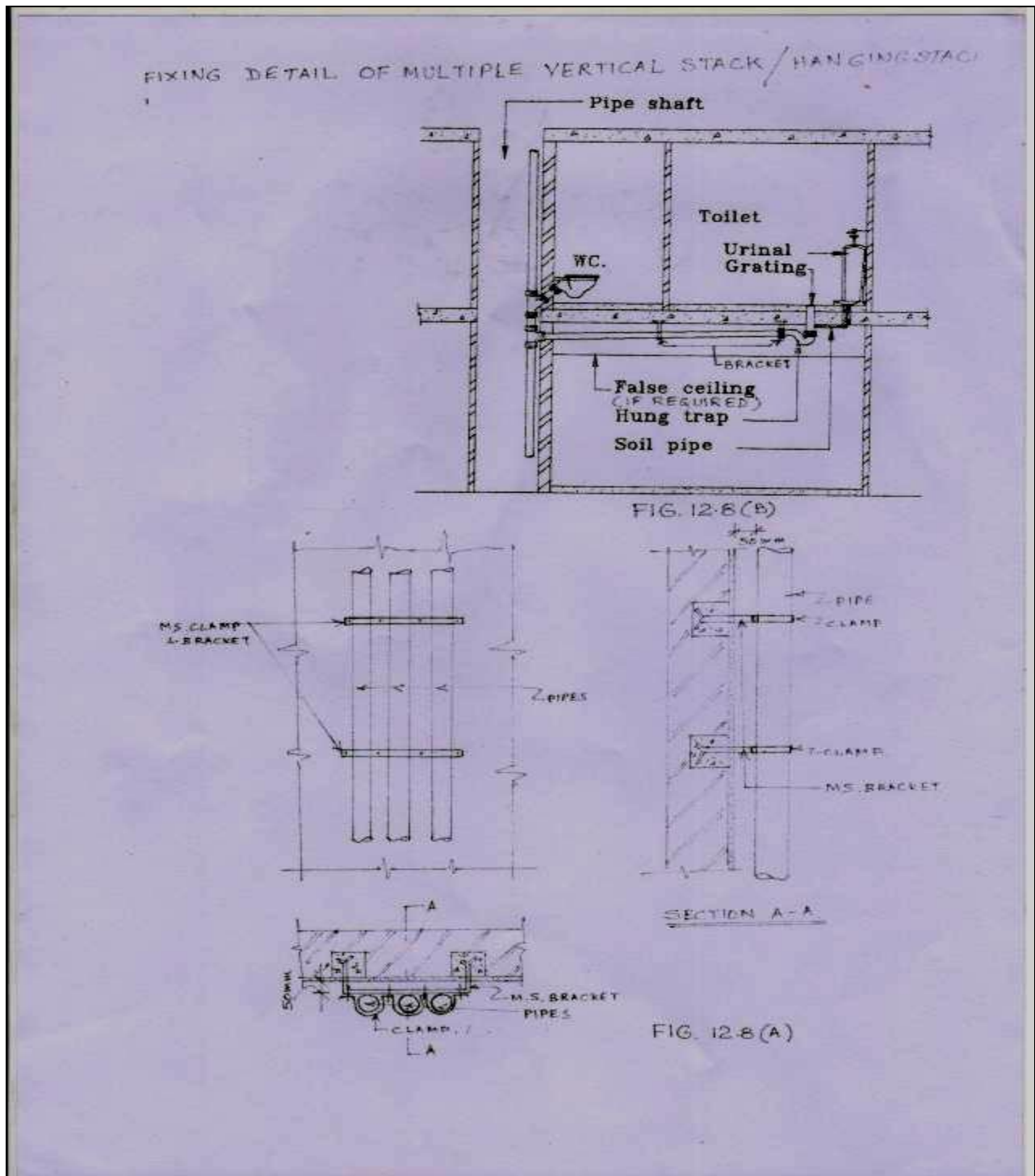
Preference to PPP-M – II Policy (Make in India):

- 1) The Government has issued public procurement policy (Preference to Make in India) vide Ministry of Commerce and Industry Development of industrial policy and promotion (PPS) vide order No. P-45021/2/2017-PP BE-II dated 28.05.2018, to “Encourage Make in India” and to promote manufacturing and production of Goods and services in India with a view to enhancing income and employment. CPWD has decided to implement this policy.
- 2) The agency shall submit list of makes of materials proposed to be used on the work from local suppliers (as defined in the above order dated 28.05.2018) along with minimum local content as specified below for approval of the department out of the approved makes kept in the tender.
- 3) The department will be approving only makes of the materials having a minimum local content of 50% (with up-to-date amendment) for use on this work, out of the preferred makes list.
- 4) The agency is required to obtain a self certification from OEM/ Manufacturer for verification of local content along with the makes proposed to be used in the work for approval of the department. The self certification shall be as mentioned below. **“The item offered meets the minimum local content and shall give details of the location(s) at which the local value addition is made.”**
- 5) **As per the Ministry of Commerce and Industry Development order No. P45021/2/2017-PP BE-II dated 28.05.2018 the minimum local content is 50%.**
- 6) The minimum local content of 50% (with up-to-date amendment) is considered for the complete item including labour component.
- 7) The agency shall obtain the certificate for all items except for sundry items.

**Executive Engineer,
Hyderabad-III, CPWD, Hyderabad.**

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

SKETCH SHOWING FIXING DETAILS OF VERTICAL CI/SCI PIPES/STACKS



Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

SCHEDULE OF QUANTITIES						
Name of Work: Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.						
S.No	DSR 2023	Description	Quantity	Unit	Rate	Amount
1	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth up to 50 m and lift up to 1.5 m, as directed by Engineer-in-Charge:				
1.1	2.1.1	All kinds of soil	6410.00	Sqm	129.85	8,32,339
2	2.7	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead up to 50 m and lift up to 1.5m, as directed by Engineer-in-Charge.				
2.1	2.7.1	Ordinary rock	190.00	Cum	498.90	94,791
3	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
3.1	2.8.1	All kinds of soil.	205.00	Cum	260.30	53,362
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	500.00	Cum	196.00	98,000

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

5	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5 km, also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc., complete.	1840.00	Cum	700.50	12,88,920
6	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50m outside the periphery of the area cleared.	500.00	Sqm	17.60	8,800
7	2.33	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.				
7.1	2.33.1	Beyond 30 cm girth up to and including 60 cm girth	30.00	Each	532.35	15,971
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:				
8.1	4.1.10	1:5:10 (1 cement: 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources)	650.00	Cum	6518.60	42,37,090
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

9.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	8.00	Cum	9895.20	79,162
10	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
10.1	5.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources: 4 graded stone aggregate 20 mm nominal size derived from natural sources)	12.00	Cum	8583.40	1,03,001
11	5.9	Centering and shuttering including strutting, propping etc. and removal of form for:				
11.1	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	55.00	Sqm	842.50	46,338
12	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.				
12.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	700.00	Kg	107.85	75,495
13	6.34	Brick work with non-modular fly ash cement bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor V level in:				
13.1	6.34.2	Cement mortar 1:6 (1 cement: 6 Coarse sand)	30.00	Cum	8752.55	2,62,577
14	7.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) up to plinth level with :				
14.1	7.1.1	Cement mortar 1:6 (1 cement : 6 coarse sand).	250.00	Cum	7311.25	18,27,813
15	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

15.1	13.46.1	New work (Two or more coats applied @ 1.67 litre/10 sqm) over and including priming coat of exterior primer applied @2.90litre/10 sqm.	440.00	Sqm	160.60	70,664
16	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re- rolling the sub grade and disposal of surplus earth with lead up to 50 metres.	6080.00	Sqm	218.90	13,30,912
17	16.50	Providing and fixing Glow studs of size 100x20 mm made of heavy-duty body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base. The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	420.00	Each	206.30	86,646

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

18	16.61	Providing Retro-reflective regulatory sign board of size 900 mm dia meter made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro-reflective sheeting as approved by Engineer-in-charge. Letter, symbols, borders etc. will be as per IRC - 67 with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 4 m long welded to the frame with adequate anti-theft arrangement .Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and back side of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge.	6.00	Each	8154.35	48,926
19	16.62	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi-automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	90.00	Sqm	747.80	67,302
20	16.68	Providing and laying 60mm thick factory-made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	940.00	Sqm	972.00	9,13,680

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

21	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	55.00	Cum	10117.60	5,56,468
22	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in charge. (The panel shuttering work shall be paid for separately). (Note: - Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	550.00	Cum	9823.80	54,03,090
23	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/ laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & direction of Engineer in-Charge.				

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

23.1	16.91.1	60mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern	3530.00	Sqm	1045.65	36,91,145
			Total			2,11,92,492
		Modified Total cost of DSR items after using correction factor on DSR 2023 on account of GST @ 0.973				2,06,20,295
		Add present cost index of Hyd on DSR-2023 i.e ((118-107)/107*100)=@10.28 %				21,19,766
		Total				2,27,40,061

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

ABSTRACT OF COST OF CIVIL COMPONENT

S.No	NAME OF THE COMPONENT	AMOUNT IN RUPEES
1.	TOTAL AMOUNT OF CIVIL COMPONENT	Rs. 2,27,40,061/-
	GRAND TOTAL	Rs. 2,27,40,061/-

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	

Abstract of Schedule showing Civil					
Proforma for Quoting the rates					
कार्य का नाम Name of Work:		Development of Cars and Two-Wheelers parking with approach and exit Road for IDC Building in UoH Campus, Gachibowli, Hyderabad.			
NIT NO.69/2026-27/HYD-III/HYD(CE'S NIT NO.14/CE-HYD/2026-27)(RECALL)					
Estimated Cost put to tender (Rs.)		Rs. 2,27,40,061/-			
Name of the Contractor					
Sl. No.	Name of component (Composite Tender)	Estimated cost (Rs.)	Percentage above /below or at par the Estimated Cost	% in Figures	Total Cost (Rs.)
1	Civil Work	2,27,40,061			
	Total Cost Rs.	2,27,40,061/-			
<u>Important Note :</u>					
1. The Estimated Cost Put to Tender has been worked out by taking into consideration the Cost Index of 118 for DSR 2023 items only in Civil portion. 2. The tenderer is required to quote Percentage only above/below or at par on the Estimated Cost to cover all the rates of all the items under the Schedule of Tender for civil work. This column should not be left blank, otherwise the tender shall be treated as INVALID. 3. The tender shall be finalised based on percentage quoted by the agency to determine the L1. 4. However, the agency shall be paid for the Civil items based on the percentage quoted by the agency. 5. The Percentage shall be typed only in figures up to 2 (two) places of decimal along with algebraic sign. 6. The tenderer shall enable the macros before entering the figures, to be see the quoted percentage and amount in words. 7. If the Percentage quoted both in words and figures are not clear, or if the rate is not quoted in Percentage, the offer will be treated as INVALID.					

Signature of contractor :
Name :
Date :
Postal Address :
E-mail ID :

Executive Engineer,
HYD-III, CPWD, Hyderabad.

Cor	NIL	Ins	NIL
Omi	NIL	Ovw	NIL
AE(C)		EE(C)	