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Govt of India

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National Security Guard**TENDERDOCUMENT**

Name of work	: Annual Repair & Maintenance of Residential and Non-Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract)
Estimated cost	: ₹ 36,01,539/-
Earnest Money	: ₹ 72,031/-
Performance Guarantee	: As below: a. <u>5%</u> of tendered value or Estimated Cost Put to Tender (ECPT)(whichever is higher) b. Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Pt to Tender (ECPT), the Performance Guarantee, in addition to the requirement under(a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount
Security Deposit	:2.5% of tendered amount
Completion Period	:12 Months
NIT No.	: 01/RHC/NSG/2026-27

**Name of Work: Annual Repair & Maintenance of Residential and Non-Residential buildings at 27
SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract)**

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TENDER NOTICE
INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING PART OF BID
DOCUMENT AND TO BE POSTED ON WEBSITE.

The **SqnCommander (Engg), 27 Special Composite Group, National Security Guard, Nedungundram, Kolappakam, Chennai -600127** on behalf of President of India invites online percentage rate bids on two bids system from CPWD enlisted contractors of appropriate class and those of appropriate list of M.E.S/ BSNL/ Railways /State PWD (Tamil Nadu) in Building/ Buildings and Roads category for the work of:

Sl. No	NIT No.	Name of Work and Location	Estimated Cost Put to Tender (In Indian Rupees)	Earnest Money (In Indian Rupees)	Time/ Period of completion	Last date & time of submission of bid.	Date & Time of opening of technical bid. Financial Bid will be opened after technical evaluation.
1	01/RHC/NSG/2026-27	Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract)	Rs 36,01,539/-	Rs72,031/-	12Mont hs	<u>29/05/2026</u> 1100hrs	<u>30/05/2026</u> 1130hrs

1. Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted.

Should have satisfactorily completed the works as mentioned below during the last seven years ending last day of the month previous to the one in which tenders are invited.

For Construction/Repair and maintenance of Building related services of civil work. Total amount for Civil work Rs 36,01,539/-

I. 03 (Three) similar works each costing not less than **(Rs. 14,40,616 /-)**

Or

II. 02 (Two) similar works, each costing not less than **(Rs. 21,60,923/-)**

Or

III. 01 (One) similar works, costing not less than **(Rs. 28,81,231/-)**

Experience of only Govt. sector shall be considered with valid experience certificates of works having been completed satisfactorily, and the work completion certificate shall be issued by an authority of the rank not below the rank of Executive Engineer.

Similar work shall mean work of “Construction/Repair and maintenance of Buildings and building related services” OR “Construction/Repair and maintenance of Building related services” and satisfactory completion shall mean “works completed within stipulated time or extended time without levy of compensation for delay”.

Note: The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion up to the previous day of last date of submission of bids.

2. The bid can only be submitted online to the **SqnCommander (Engg), 27 Special Composite Group, National Security Guard, Nedungundram, Kolappakam, Chennai -600127** by uploading the mandatory scanned documents. The intending bidder must read the terms and conditions of CPWD-6 & 7 carefully as amended/ modified and uploaded in the bid documents of this tender. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. This 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, particular specifications and other terms and conditions given in the NIT and drawing. The bidder should also

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

read the terms and conditions of the CPWD, General Condition of Contract for Constriction Works 2023 with all correction slips issued upto last date of submission of bid, which is applicable as Government of India publication. However, provision included in the bid documents shall prevail over the provision contained in the standard form. The set of drawings and NIT will be available with the office of SC(Engg) 27 SCG NSG, Chennai. The contractor may also visit the site of work and make himself acquainted with the site conditions before tendering.

The conditions which already form part of the tender are specially brought to his notice for compliance while filling the tender.

The successful tenderer shall be required to deposit a performance guarantee as below:

- a. **5% of tendered value or Estimated Cost Put to Tender (ECPT)(whichever is higher)** within seven days of issue of letter of Intent. This period can be further extended by Engg-In-charge upto a maximum period of 7 days on the written request of the contractor, subject to payment of late fees @ 0.1% per day of Performance Guarantee amount. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.
 - b. **Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Pt to Tender (ECPT), the Performance Guarantee, in addition to the requirement under(a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.**
5. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
 6. Contractor can upload documents in the form of JPG format / PDF format.
 7. Contractor must ensure to quote percentage above or below the estimated cost.
 8. The Technical Bid shall be opened first on due date and time as mentioned above. The time and date of opening of Financial bid of contractors qualifying the technical bid shall be communicated to them at a later date.
 9. The contractor whose bid is accepted will also be required to furnish original document along with certified/attested copy of each of the applicable Licenses/registrations or proof of applying for obtaining labour licenses/registration with EPFO, ESIC and BOCW Welfare Board and Program Chart (Time and Progress) within the period specified in schedule "F".
 10. The reimbursement of EPF & ESI contributions paid by the contractor on the part of employer is to be made on submission of documentary proof of payment provided the same is in order.
 11. GST which shall mean Goods and Services Tax- central, state and inter-state GST or any other Tax applicable in respect of inputs procured by the contractor for this contract shall be paid by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at the time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied only if by any notification of the Govt. it is changed from that applicable on the last date of receipt of tender including extension, if any.
 12. Earnest Money in the form of Demand Draft/ Banker Cheque/ FDR/ Pay order/ Deposit at call receipt/ Bank Guarantee (drawn **in favor of RPAO (CISF) Chennai payable at Service Branch Chennai**) shall be scanned and uploaded to the e-Tendering website within the period of bid submission. The physical EMD shall be dropped in the box **placed in front of the guard room at main gate of 27 SCG NSG, Chennai by 1100 hours** on 30/05/2026. In case EMD is not found in the box at time of opening of tender, online bid of such bidder shall be treated as cancelled without any notice.
 13. List of documents other than financial instruments to be scanned and uploaded within the period of bid submission:-
 - i. ~~Scanned copy of~~ EMD in Demand Draft/ FDR/ Bank Guarantee/ Banker Cheque of any scheduled Band against EMD.
 - ii. Certificate of Registration/ Enlistment order of the Contractor of appropriate category.
 - iii. Experience certificate of having successfully completion of required works as per eligibility conditions.
 - iv. GST Registration Certificate of the State in which the work is to be taken up (i.e. Tamilnadu), if already obtained by the bidder.

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

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

“If work is awarded to me, I/We shall obtain GST registration Certificate as of the state, in which work is to be taken up (i.e. Tamil Nadu), within one month from the date of receipt of award letter or before release of any payment by NSG, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due to wards me/us on a/c of the work executed and/or for any action taken by NSG or GST department in this regard)

- v. Copy of PAN card.
- vi. EPF and ESIC Registration Certificate.

Sd/xxx xxx

Sqn. Cdr. (Engg)

27 SCG NSG Chennai

ANNEXURE-A
DECLARATION ABOUT SITE INSPECTION

To,
The Sqn Commander (Engg),
27 Special Composite Group, National Security Guard,
Nedungundram, Kolappakam, Chennai -600127.

Sub: NIT NO **01/RHC/NSG/2026** for the work: **Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract).**

It is hereby declared that as per **CPWD-6 FOR e-BIDDING**, I/ We the bidder inspected and examined the subject site and its surrounding and satisfy myself / ourselves as to the nature of the ground and sub-soil (so far as is practicable), the forms and nature of the site./ 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 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.

2. I/we visited site of repaired residential Qtrs. and seen the pattern of tiles, kitchen cupboard, fixture of toilets etc. repaired and reinstalled in previous year 2025-26.

3. I/we maintain same pattern and quality of work to make uniformity of all residential Qtrs. and plan work like that other occupant should not be disturbed.

4. I/we will be solely responsible for any type of damage occurred in that residential Qtr during men and material shifting during the work and I/we will be repaired the damaged area or any fitting and fixture with own cost or arrangement.

Yours faithfully

(Seal & Signature)

(Bidder/ Duly authorized Signatory of the bidder)

Sd/xxx xxx

Seal &Signature

(TC(Civil/Elect))

(i) Before Inspection of Site contact to **Sqn Commander (Engg), 27 Special Composite Group, National Security Guard, Nedungundram, Kolappakam, Chennai -600127**, he will delegate any Team Commander who shall be contacted, so that he may remain present during inspection of site by the bidder and signature of concerned Team Commander shall be obtained in Form "A" as proof of site visited by the bidder and uploaded.

CPWD-6 FOR e-TENDERING

Online percentage rate bids on two bids system from CPWD enlisted contractors of appropriate class and those of appropriate list of M.E.S/ BSNL/ Railways /State PWD [Tamil Nadu] in Building /Buildings and Roads category for the work of :**Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract).**

1. The enlistment of the contractors should be valid on the last date of submission of bids. In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids.
- 1.1 The work is estimated to cost **Rs 36,01,539/- (Rupees Thirty Six Lakh One Thousand Five Hundred Thirty Nine only)**. This estimate however, is given merely as a rough guidance.
- 1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude as specified below. Contractors have to fulfill the following work experience requirements along with above enlistment, to be eligible to apply. Joint ventures are not accepted.

Contractors who fulfill the following requirements shall be eligible to apply. Joint ventures are not accepted. Should have satisfactorily completed the works as mentioned below during the last seven years ending last day of the month previous to the one in which tenders are invited.

a. For Construction/Repair and maintenance of Building related services of civil work. Total amount for Civil work Rs 36,01,539/-

- I. 3 (three) similar works each costing not less than **(Rs.14,40,616 /-)**
- Or
- II. 2 (two) similar works, each costing not less than **(Rs. 21,60,923/-)**
- Or
- III. 1 (one) similar work, costing not less than **(Rs. 28,81,231/-)**

Experience of only Govt. sector shall be considered with valid experience certificates of works having been completed satisfactorily, and the work completion certificate shall be issued by an authority of the rank not below the rank of Executive Engineer.

Similar work shall mean work of “Construction/Repair and maintenance of Buildings and building related services” OR “Construction/Repair and maintenance of Building related services” and satisfactory completion shall mean “works completed within stipulated time or extended time without levy of compensation for delay”.

Note: The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum, calculated from the date of completion up to the previous day of last date of submission of bids..

2. Agreement shall be drawn with the successful bidder on prescribed Form No. CPWD 7, which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **12 (Twelve) Months** from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from CPP Portal (<http://eprocure.gov.in/epublish/app>) & CPWD official website (<http://www.cpwd.gov.in>) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rates any number of times but before last time and date of submission of bid as notified.

8. Earnest Money in the form of DD/ BC/ FDR/ Pay Order/ Deposit at call receipt/ Bank Guarantee (Drawn in favour of (Drawn in favor of **RPAO (CISF) Chennai payable at SBI Service Branch Chennai**) shall be scanned and uploaded to the e-Tendering Website within the period of bid submission. The Physical EMD Shall be dropped in the box placed in front of the guard room at main gate of **27 SCG NSG, Chennai by 1100 hours** on 30/05/2026. In case EMD is not found in the box at time of opening of Tender, online bid of such bidder shall be treated as cancelled without any notice.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any **Scheduled** bank having validity for a period of ~~90 days for single bid works~~ and **180 days for two bid system more from the last date of receipt of bids** which is to be scanned and uploaded by the intending bidders.

The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or immediately after acceptance of the successful bidder, whichever is earlier. However, in case of two/ three bid system, earnest money deposit of bidders unsuccessful during technical bid evaluation etc. should be returned within **30** days of declaration of result of technical bid evaluation.

Copy of Enlistment Order and other documents as specified in the tender notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, original copy of all the scanned and uploaded documents as specified in tender notice shall be submitted for verification to the office of **Sqn. Cdr. (Engg), 27 SCG NSG, Chennai** by the lowest bidder, within 07 days of the financial bid opening, failing which his tender shall be deemed to be unresponsive and be treated as withdrawn as such.

The bid submitted shall be opened at 11:30 AM on 30/05/2026.

9. Interested contractor who wish to participate in the bid has to submit following documents:-

Copy of Enlistment Order and other documents as specified in the tender notice shall be scanned and uploaded to the e-Tendering website within the period of bid submission. However, original copy of all the scanned and uploaded documents as specified in tender notice shall be submitted for verification to the office of **SqnCommander (Engg.), 27 SCG NSG, Chennai** by the lowest bidder within 07 days of the financial bid opening, failing which his tender shall be deemed to unresponsive and be treated as withdrawn as such.

10. The bid/tender submitted shall become invalid if:-

- (i) The bidders are found ineligible.
- (ii) The bidder does not upload scanned copies of all the following documents:-
 - a) Scanned copy of EMD in Demand Draft/ FDR/ Bank Guarantee/ Bankers Cheque of any scheduled Bank against EMD.
 - b) Registration/ Enlistment order of the Contractor of appropriate category.
 - c) Experience certificate of having successfully completion of required works as per eligibility conditions.
 - d) GST Registration Certificate of the State in which the work is to be taken up (i.e. Tamil Nadu), if already obtained by the bidder.

(If the bidder has not obtained GST registration as applicable, then heshall scan and upload following undertaking along with bid documents.

“If work is awarded to me, I/We shall obtain GST registration Certificate as of the state, in which work is to be taken up (i.e. Tamil Nadu), within one month from the date of receipt of award letter or before release of any payment by NSG, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due to wards me/us on a/c of the work executed and/or for any action taken by NSG or GST department in this regard).

- e) Copy of PAN card.
- f) EPF and ESIC Registration Certificate.

Note : - Any shortfall of documents as mentioned above shall not be sought from contractor after period of bid submission or extension, if any. The abovementioned documents need to be scanned and uploaded carefully on e-tender portal.

- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
- (iv) If a tenderer does not quote percentage above /below on the total amount of tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.
10. The firm/contractor will clearly mention his email ID for correspondence along with his signatures for any online official correspondence related to work.
11. The contractor whose bid is accepted will be required to furnish performance guarantee as below:
- a. 5% of tendered value or Estimated Cost Put to Tender (ECPT)(whichever is higher)** within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt of any schedule bank/bankers cheque of any schedule bank/ demand draft of any schedule bank/Pay Order of any scheduled bank (in case guarantee amount is less than Rs 01 lakh) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited alongwith bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses/ registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC, BOCW Welfare Board including Provident Fund Code No. (if applicable) and Programme Chart (Time and Progress) within the period specified in Schedule F. If applicable and also ensure the compliance of aforesaid provisions by the subcontractors, if any engaged by the contractor for the said work within the period specified in Schedule F.
- b. Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Pt to Tender (ECPT), the Performance Guarantee, in addition to the requirement under(a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount. .**
12. The reimbursement of EPF & ESI contributions paid by the contractor on the part of employer is to be made on submission of documentary proof of payment provided the same is in order.
- 12.1 GST which shall mean Goods and services tax- central, state and inter-state GST or any other Tax applicable in respect of inputs procured by the contractor for this contract shall be paid by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at the time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied only if by any notification of the Govt. it is changed from that applicable on the last date of receipt of tender including extension, if any.
13. The Description of the work is as follows:-
Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract).
 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 subsoil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
14. 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.
15. Canvassing whether directly or indirectly, in connection with bids is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

16. 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.
17. 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.
18. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
- 19.. The bid for the works shall remain open for acceptance for a period of **sixty(60) days** from the date of opening of technical bid. If any bidder withdraws his bid before said period or issue of letter of acceptance, whichever is earlier, or makes any modification in the terms and conditions of the bid which are not acceptable to the department, then the Government shall without prejudice to any other right or remedy, be at liberty to **forfeit 50% of the said Earnest Money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.**
- (i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
- (ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.
- (iii) In case of forfeiture of earnest money as prescribed in para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.
20. This notice inviting tender shall form a part of the contract document. The successful bidders/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-
- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.
24. 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+50% of PG amount on prorata basis till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work, plus 50% of PG amount. 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 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 security deposit and the Bank is unable to make payment against the said fixed deposit receipt, additional security to the Government to make good the deficit.

All compensations or the other sums of money payable by 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, 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 Schedule Bank of Government Securities (If deposited for more than 12 month) 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.

Sd/xxx xxx

**Sqn. Cdr. (Engg.)
27 SCG NSG Chennai**

CPWD FORM NO. 7
GOVERNMENT OF INDIA
NATIONAL SECURITY GUARD

STATE : Tamil Nadu

Division: Sqn Comdr (Engg)

27 SCG NSG Chennai

BRANCH: Engineering

CIRCLE : Director (Engg), NSG HQ, New Delhi.

PERCENTAGE RATE TENDER/ITEM RATE TENDER & CONTRACT FOR WORKS

Tender for the work of:- Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract).

To be uploaded/submitted by **1100 Hours** on **29/05/2026** through website <http://eprocure.gov.in/epublish/app>

- (i) To be opened in presence of tenderers who may be present at **1130 Hours** on **30/05/2026** in the office of **SC (Engg), 27 Special Composite Group, National Security Guard, Nedungundram, Kolappakam, Chennai -600127.**

T E N D E R

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

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

I/We agree to keep the tender open for **(60) Sixty days** from the due date of its opening of technical and not to make any modifications in its terms and conditions.

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

A Sum of **Rs72,031/-** in form of Demand Draft/FDR/Pay Order/Bankers Cheque/ Deposit at call receipt/ Bank Guarantee (In respect of portion of EMD prescribed in the shape of BG, having validity for a period of 90 days for single bid and 180 days for two bid systems or more from the last date of receipt of bids) issued by any scheduled Bank as Earnest Money Deposit (Drawn in favour of **RPAO (CISF) Chennai payable at Service Branch Chennai** has been deposited in the office of **SC (Engg), 27 Special Composite Group, National Security Guard, Chennai -600127** as per the bid document. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 (c) of the tender form

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

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

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

Dated Signature of Contractor.....
 Witness: - Postal Address: -
 Address: -
 Occupation: -

ACCEPTANCE

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

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

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

For & on behalf of the President of India

Signature.....

Designation

Dated.....

SCHEDULES (A TO F)**SCHEDULE 'A'**

Schedule of quantities (Enclosed) - As attached

SCHEDULE 'B'

Schedule of materials to be issued to the contractor.

S.No.	Description of item.	Quantity.	Rate in figures & words at which the material will be charged to the contractor	Place of issue
(1)	(2)	(3)	(4)	(5)
-Nil-				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.NO.	DESCRIPTION.	HIRE CHARGES PER DAY	PLACE OF ISSUE
NIL			

SCHEDULE 'D'Extra schedule for specific requirements/ documents for the work, if any NIL**SCHEDULE 'E'**

Reference to General Conditions of contract:-

General Conditions of Contract for CPWD Construction Works -2023 with upto date correction slips.

1.1 Name of Work:

Annual Repair & Maintenance of Residential and Non Residential buildings at 27 SCG NSG, Chennai, during 2026-27 (SH: Percentage Rate Contract).

1.2 Estimated Cost of work: -

Rs.36,01,539/-

1.3 Earnest Money: -

Rs. 72,031/-

1.4 Performance Guarantee:

a. 5% of tendered value or Estimated Cost Put to Tender (ECPT)(whichever is higher) within seven days of issue of letter of Intent. This period can be further extended by Engg-In-charge upto a maximum period of 7 days on the written request of the contractor, subject to payment of late fees @ 0.1% per day of Performance Guarantee amount. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee.

b. Where the tendered amount is less than eighty percent (80%) of the Estimated Cost Pt to Tender (ECPT), the Performance Guarantee, in addition to the requirement under(a) above, shall be increased by an amount equal to the difference between eighty percent (80%) of the ECPT and the tendered amount.

1.5 Security Deposit

2.5% of tendered value

SCHEDULE 'F':-**General Rules & Directions:-**

Officer Inviting Tender: -

SC(Engg) 27 SCG NSG, Chennai

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with

100%

Clauses 12.2(C)

Definitions:-

2(v)	Engineer-In-Charge	SC(Engg) 27 SCG NSG, Chennai
2(viii)	Accepting Authority	SC (Engg) 27 SCG NSG, Chennai
2(x)	Percentage on cost of materials and labour to cover all overheads and profits	15%
2(xi)	Standard Schedule of Rates	DSR-2023 (Civil) as Published by CPWD with correction slips up to last date of submission of tender including extension, if any.
2(xii)	Department	National Security Guard
9(ii)	Standard CPWD Contract Form	CPWD form 7&8 General Conditions of Contract for CPWD Construction Works-2023 with upto-date correction slips.

Clause-1:-

- | | | |
|------|--|---------|
| (i) | Time allowed for submission of Performance Guarantee, Programme Chart (Time & 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 | 07 days |
| (ii) | Maximum allowed extension with late fee @ 0.1% per day of PG amount beyond the period provided in (i) above..... | 07days |

Clause-2:-

Authority for fixing compensation under clause-2

Director Engineering, HQ NSG, New Delhi

Clause-2A:-

Whether clause-2A shall be

Applicable as per GCC for Construction Works 2023 with upto-date correction slips.

Clause-5:-

- | | | |
|-------|--|------------------|
| (i) | Number of days from the date of Issue of letter of acceptance for reckoning date of start. | 10 days |
| (ii) | Time allowed for execution of work | 12 Months |
| (iii) | Milestone (s) as per table given below:- | |

Sl.No.	Description of Mile-stone(value of work to be done)	Time allowed in day (From the date of start)	Amount to be withheld in case of Non achievement of Mile-stone
1	1/8 of the work	In 1/4 of time	1% of tender amount
2	3/8 of the work	In 3/8 of time	-do-
3	3/4 of the work	In 3/4 of time	-do-
4	Full work	Full time	-do-

- (iv) **Schedule of handing over of site:**

Part	Portion of site	De-	Time period for handing over reckoned from date of issue of letter of
------	-----------------	-----	---

		scrip- tion	intent
Part A	Portion without any hin- drance	Full Site	Immediately on issue of letter of intent
Part B	Portions with incumbrances	NA	NA
Part C	Portion dependent on work of other agencies	NA	NA

(v) Schedule of issue of designs:

Part	Portion of site	Description	Time period
Civil	Horizontal Rope Shed.	Preliminary architectural draw- ings available however de- tailed Structural drawings are to be prepared by Structural designer	To be submitted by the con- tractor within 30 days after award of work.

Authority to decide

- | | | |
|-------|--|----------------------------------|
| (i) | Authority to convey the decision of shifting
of Extension of time and Milestone | SC(Engg) 27 SCG NSG, Chennai |
| (ii) | Re-scheduling of milestones & EOT | SC (Engg)
27 SCG, NSG Chennai |
| (iii) | Shifting of date of start in case of delay
in handing over of site | SC(Engg) 27 SCG NSG, Chennai |

Clause 6:- Computerized Measure Book (CMB)**Applicable****Clause-7:-**

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

Rs4,25,000/-.**Clause:- 7A**

Whether clause 7A shall be applicable

Yes

Clause-8A :

Authority to decide compensation on account
if contractor fails to submit completion plans

SC(Engg) 27 SCG NSG, Chennai

Clause-10A:-

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

(1) Measuring Tape (2) Balance (3) Sieves
(4) Trays (5) Measuring Glass Jar

(Equipment for conducting necessary Site Tests as per requirements of Specifications and quality
assurance plan shall be provided and installed at Site Laboratory by the contractor at his own cost).

As per requirement and
direction of Engineer-in-Charge**Clause-10-B (i):-**

Whether clause 10-B (i) shall be applicable

Not Applicable

Clause-10-B (ii):-

Whether clause 10-B (ii) shall be applicable

Not Applicable

Clause-10C:-

This clause shall be applicable only if Clause 10CC is not applicable

Component of Labour Expressed as percent of value of work	25%
---	-----

Clause-10CA:-

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

Whether clause 10CA shall be applicable

Not applicable

Clause-10CC:-

Payment due to increase/decrease
in prices/wages after receipt of tender for work

Not Applicable

Clause-11:-

Specifications to be followed for
execution of work

Latest CPWD Specifications

Clause-12:-

i) Authority to decide deviation upto 1.25 times of tendered
amount.

SC(Engg) 27 SCG NSG, Chennai

ii) Authority to decide deviation upto 1.50 times of tendered
amount.

Director(Engg), HQ NSG Delhi

Clause 12.2 (c) Deviation limit beyond which
clause 12.2 (c) shall apply
for Building work.

100%

Clause 12.4 (i) Deviation limit beyond which
clause 12.2 (c) shall apply
for foundation works

100%

Clause 12.4 (ii) Deviation Limit for items mentioned in
earth work subhead of DSR and related items

100%

Note : The rate for extra and substituted items shall be lower of the following (DSR/Non DSR both):

- (a) **DSR Rate of item adjusted with applicable cost index of BOQ as considered in NIT or Market rate of that Non DSR item (EI/SI) at the time of execution, plus / minus the percentage above / below the Estimated cost of the work at which the tender has been accepted.**
- (b) **DSR Rate of DSR item adjusted with applicable cost index of BOQ as considered in NIT or Market rate of that Non DSR item (EI/SI) at the time of execution.**

Clause-16:-

Competent Authority for
deciding reduced rates

SC (Engg.),
27 SCG NSG Chennai

Clause-18:-

List of Mandatory machinery,
tools & plants to be deployed
by the contractor at site

As per site requirement.

Suggestive List of Machineries, Tools & Plants to be deployed by the Contractor at sites as per requirement and As per direction of Engineer-in-charge:

S.No.	Name of Equipment	Numbers
1	Excavators (various sizes)	1 No.
	Equipment for hoisting & lifting	
2	Tower Crane or Builder's hoist (Desirable)	4 No.
	Equipment for Concrete work	
3	Automatic Concrete batching plant of sufficient capacity as per direction of Engineer-in-Charge	1 No.
4	Concrete pump (Desirable)	1 No.
5	Concrete transit mixer	1 No.
6	Concrete mixer (diesel)	1 No.
7	Concrete mixer (electrical)	Nil
8	Needle vibrator (electrical)	1 No.
9	Needle vibrator (petrol)	1 No.

10	Surface vibrator		1 No.
	Equipment for Building work		
11	Bar bending machine		1 No.
12	Bar cutting machine		1 No.
13	Drilling machine		1 No.
14	Welding machine i/c transformer		1 No.
15	Cube testing machines		1 No.
16	M.S. pipes	For 800 sqm plan area or as desired by Engineer-in-Charge	1 Set
17	Steel shuttering		
18	Steel scaffolding		
19	Grinding/polishing machines		1 Nos.
	Equipment for transportation		
20	Tippers		1 No.
21	Trucks		1 No.
	Pneumatic equipment		
22	Air compressors (diesel)		Nil
	Dewatering equipment		
23	Pump (diesel)		1 No.
24	Pump (electric) (Desirable)		1 No.
	Power equipment		
25	Diesel generator		1 No.

Note:

- Workshop facilities for fabrication/addition and alterations, and other allied works shall be arranged by the contractor at his own cost.
- The list of equipment/T&P/machinery as per above is for general guidance. In addition to these, machinery / equipment as required shall be arranged by the contractor in case the requirement at any stage exceeds as per the programme finalized at his own cost and nothing extra whatsoever on this account shall be paid. This includes equipment for arrangement of concrete from RMC producing plants also.
- All the equipment, T&P and machinery shall be kept in good working conditions.
- Equipment like batching plant, concrete pump excavators/Transit mixer etc. shall be allowed to be moved away from the site when, the same are no longer required at site of work in the opinion of Engineer-in-charge.
- In addition to above list, contractor is bound to brought at site any test equipment for any item of work, at his own cost, which Engineer-in-Charge may direct him. Nothing extra shall be paid to contractor in this regard. Direction of Engineer-in-Charge in this regard shall be final & binding.

If contractor fails to comply such directions within time specified by Engineer-in-Charge, the same shall be brought to site by department by any means at cost of contractor itself and nothing shall be paid in this regard.

Clause -19 :-

Clause 19C Authority to decide for each default	Engineer-in-Charge
Clause 19D Authority to decide for each default	Engineer-in-Charge
Clause 19G Authority to decide for each default	Engineer-in-Charge
Clause 19K Compensation to be paid by contractor in case of failure to deploy qualified tradesman	Not Applicable

Clause-25 :-

- | | | |
|--------------------------------------|---|-------------------------------|
| (i) Conciliator | : | Director(Engg) HQ NSG |
| (ii) Arbitrator Appointing Authority | : | The Director General, HQ, NSG |
| (iii) Place of Arbitration | : | New Delhi |

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

Clause-32 :- Clause 32 Requirement of Technical Representative(S) and Recovery Rate

Sl.No.	Minimum Qualification of Technical representative		Minimum Experience	Designation	Discipline
	Qualification	Number			
1	Graduate Engineer Or Diploma Engineer	1	2 or 5 Respectively	Project Manager cum Planning/ Quality/ Site/Billing Engineer	Civil Engineer

Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 32 of major component **Rs. 15000/-** per month per Engineer.

Assistant Engineer retired from Government services that are holding Diploma will be treated at par with Graduate Engineers. Diploma holder with minimum 03 years 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:-

Whether clause 38 shall be applicable

Not applicable

On non-judicial stamp paper of minimum Rs 100

**(Guarantee offered by Bank to NSG 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), NSG on behalf of the President of India (hereinafter called "The Government") has invited bids under (NIT Number) datedfor (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)....., NSG 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 irrevocable Bank Guarantee for Rs (Rupees only) valid upto (date).....as Performance Guarantee /Security Deposit/Mobilization Advance from the said contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

2. We, (indicate the name of bank) (herein after referred to as "the Bank"), hereby undertake to pay to the Government an amount not exceeding Rs. (Rupees only) on demand by the Government within 10 days of the demand.

3. We, (indicate the name of the bank)do 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 or likely to be due from the said contractor. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).

4. We,..... (indicate the name of the bank), further undertake to pay the government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this bank Guarantee being absolute and unequivocal. The payment so made by us under this Bank Guarantee shall be a valid discharge of our liability for payment thereunder and the contractor shall have no claim against us for making such payment.

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

Dated:

Witnesses:

- | | | |
|----|--|--|
| 1. | Signature.....

Name and address | Authorized Signatory

Name

Designation

Staff code No |
| 2. | Signature.....

Name and address | Bank seal |

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

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

GUARANTEE BOND TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECTS AFTER COMPLETION IN RESPECT OF WATER PROOFING WORKS

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

WHEREAS this agreement is supplementary to a contract (hereinafter called the contract) datedand made between the GUARANTOR of the one part and the Government of the other part, whereby the Contractor, inter alia, undertook to render the buildings and structures in the said contract recited completely water and leak-proof.

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

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

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

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

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found, render the building water-proof to the satisfaction of the Engineer-in-Charge at his cost, and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-Charge calling upon him to rectify the defects, failing which the work shall be got done by the Department by some other contractor at the GUARANTOR'S cost and risk. The decision of the Engineer-in-Charge as to the cost, payable by the Guarantor shall be final and binding.

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

IN WITNESS WHEREOF these presents have been executed by the Obligor and by and for and on behalf of the PRESENT OF INDIA on the day, month and year first above written.

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

- 1.
- 2.

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

- 1.

Instructions for online Bid submission

Instructions to the Bidders to submit the bids online thro' the Central Public Procurement Portal for e Procurement at <https://eprocure.gov.in/eprocure/app>

1. Possession of valid Digital Signature Certificate (DSC) and enrollment/ registration of the contractors/bidders on the e-procurement /e-tender portal is a prerequisite for e-tendering.
2. Bidder should do the enrollment in the e-Procurement site using the "Click to Enroll" option available on the home page. Portal enrollment is generally free of charge. During enrollment/registration, the bidders should provide the correct/true information including valid email_id. All the correspondence shall be made directly with the contractors/bidders through email id provided.
3. Bidder need to login to the site thro' their user ID / password chosen during enrollment / registration.
4. Then the Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by SIFY/TCS/nCode/ eMudra or any Certifying Authority recognized by CCA India on eToken/ Smart Card, should be registered.
5. The DSC that is registered only should be used by the bidder and should ensure safety of the same.
6. Contractor/Bidder may go through the tenders published on the site and download the required tender documents/ schedules for the tenders he/she is interested.
7. After downloading / getting the tender document/schedules, the Bidder should go thro' them carefully and then submit the documents as asked, otherwise bid will be rejected.
8. If there are any clarifications, this may be obtained online thro' the tender site, or thro' the contact details. Bidder should take into account the corrigendum published before submitting the bids online.
9. Bidder then logs in to the site through the secured log in by giving the user id/password chosen during enrolment/registration and then by giving the password of the eToken/Smart Card to access DSC.
10. Bidder selects the tender which he/she is interested in by using the search option & then moves it to the 'my tenders' folder.
11. From my tender folder, he selects the tender to view all the details indicated.
12. It is construed that the bidder has read all the terms and conditions before submitting their offer. Bidder should go through the tender schedules carefully and upload the documents as asked; otherwise, the bid will be rejected.
13. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can be in PDF/xls/rar/zip formats. If there is more than one document, they can be clubbed together and can be provided in the requested format. Each document to be uploaded through online for the tenders should be less than 2 MB. If any document is more than 2MB, it can be reduced through zip/rar and the same can be uploaded, if permitted. Bidders Bid documents may be scanned with 100 dpi with 12 black and white option. However of the file size is less than 1 MB the transaction uploading time will be very fast.
14. If there are any clarifications, this may be obtained through the site, or during the pre-bid meeting if any. Bidder should take into account the corrigendum published from time to time before submitting the online bids.
15. The Bidders can update well in advance, the documents such as certificates, annual report details etc., under My Space option and these can be selected as per tender requirements and then send along with bid documents during bid submission. This will facilitate the bid submission process faster by reducing upload time of bids.
16. Bidder should submit the Tender Fee/ EMD as specified in the tender. The original should be Posted / couriered/given in person to the Tender Inviting Authority, within the bid submission due date & time for the tender. Scanned copy of the instrument should be uploaded as part of the offer.
17. While submitting the bids online, the bidder reads the terms & conditions and accepts the same to proceed further to submit the bid packets.
18. The bidder has to select the payment option as offline to pay the Tender FEE/ EMD as applicable and enter details of the instruments, as specified in NIT.

19. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise submitted bid will not be acceptable.
20. The bidder has to digitally sign and upload the required bid documents one by one as indicated. Bidders to note that the very act of using DSC for downloading the bids and uploading their offers shall be deemed to be a confirmation that they have read all sections and pages of the bid document including General conditions of contract without any exception and have understood the entire document and are clear about the requirements of the tender requirements.
21. The bidder has to upload the relevant files required as indicated in the cover content. In case of any irrelevant files, the bid will be rejected.
22. Tenderers should submit price bid in format available Annexure in **CPP Portal** <http://eprocure.gov.in/eprocure/app> and don't change the name of downloaded Annexure. Only fill the area which is available to fill and validate by the given button in Annexure, save the file and upload the file on portal.
23. The bidders are requested to submit the bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
24. After the bid submission (ie after Clicking "Freeze Bid Submission" in the portal), the acknowledgement number, given by the system should be printed by the bidder and kept as a record of evidence for online submission of bid for the particular tender and will also act as an entry pass to participate in the bid opening date.
25. The time settings fixed in the server side & displayed at the top of the tender site, will be valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system. The bidders should follow this time during bid submission.
26. All the data being entered by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission & not be viewable by any one until the time of bid opening.
27. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid openers' public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.

Sd/xxx xxx

Team Cdr (Civil)Team Cdr (Elect)
27 SCG NSG Chennai

Sd/xxx xxx

27 SCG NSG Chennai

Sd/xxx xxx

Sqn. Cdr. (Engg.)
27 SCG NSG Chennai

STANDARD GENERAL CONDITIONS OF CONTRACT

1. Modified General Conditions of Contract (GCC) 2023 for Construction Works which is available as CPWD publication on CPWD official website at <http://www.cpwd.gov.in/Documents/Publication/GCC23.pdf> shall be deemed to be part of the Tender document.
2. The Standard GCC is amended from time to time through issue of OMs under series DG/CON which are available on CPWD official website at [http://www.cpwd.gov.in/Documents/Official_Circulars/ DG CON](http://www.cpwd.gov.in/Documents/Official_Circulars/DG_CON) onwards issued upto date of tender submission shall also be deemed to be part of tender document.

Sd/xxx xxx**Team Cdr (Elect/Civil) Sqn. Cdr. (Engg.)
27 SCG NSG Chennai****Sd/xxx xxx****27 SCG NSG Chennai**

GENERAL CONDITIONS

1. GST tax, Water charges, income tax and other taxes like construction worker welfare cess as applicable on work done will be charged on gross amount of the Bill as per the latest provision of Govt of India.
2. The work shall be carried out as per CPWD yardstick, current CPWD specification with updated correction slip for CPWD specification horticulture/Civil/Electrical.
3. The contractor shall take instruction from the officer-in-charge regarding supply and stacking of material at site and execution of work etc. He shall bear all charge for storage and safe custody of materials. He will dispose of malba outside the NSG Campus at place designated by state government. Nothing extra shall be payable on this account.
4. The contractor or Supervisor will regularly meet with the site officer-in-charge for taking the direction.
5. The rejected and substandard material should be removed from the site of work immediately, the Department shall not be responsible for any damage/loss of rejected material, if the same will not be removed within five days after issuing notice in writing by SC (Engg) then necessary recovery shall be made @ Rs 500/- per day.
6. The contractor shall have registration with EPFO and ESIC for safeguard interest of his workers. The contractor shall make deduction on account of EPF & ESIC for labour/staff deployed by him on the work and will furnish details of each worker all division office every month.
7. The contractor will be responsible for police verification of the labour & permission of vehicles deployed for the execution of work they have to follow all the security norms/guideline of the concerned Ministries/Department. A list of workers deployed will have to be submitted to the officer-in-charge before starting the work to get the necessary security passes and other security clearance well in advance.
8. All the engaged workers are to be equipped with photo identity cards issued by the contractor and contractor will maintain their particulars (i.e. Name, Father Name, Local Address and Permanent Address etc.) A Copy of the same will be provided to the Officer-in-charge. The expenditure on this account will be borne by contractor and nothing will be reimbursed for it.
9. The attendance register shall be maintained by the contractor. Officer-in-charge can verify this register at any time. This will be submitted with each RA bill along with particulars as mentioned above.
10. The contractor will have to engage the minimum labour (as per yard stick of the work) not below the age of 18 years.
11. The contractor or his representative should be available at site on every visit of officer-in-charge as well as visit of senior officers.
12. The contractor shall make his own arrangements for obtaining electric/water connections, if required, and necessary payment will be made by contractor directly to the Department concerned.
13. The Department shall not be responsible for any injury partial or permanent or death of any workers at site due to accident or mal functioning of the equipment or by negligence of the staff.
14. **PROGRAMME CHART**
 - (i) The contractor shall prepare an integrated programme chart 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 programme within the stipulated period of earlier as indicated in the mile stones under clause 5 of the contract and submit the same for approval to the Engineer-in-Charge within ten days of the award of the contract.
 - (ii) The programme chart should include the following :-
 - (a) Descriptive note explaining sequence of various activities.
 - (b) Net work (PERT/CPM/BAR CHART).
 - (c) Programme for procurement of materials by the contractor.

- (d) Programme of procurement of machinery/equipments having adequate capacity commensurate with the quantum of work to be done within the stipulated period by the contractor.
- 15 If it appears to the Engineer-in-Charge that the actual progress of work does not conform to the approved programme referred above the contractor shall produce a revised programme showing the modifications to the approved programme to ensure completion of the work within the stipulated time for completion.
- 16 The submission for approval by the Engineer-in-Charge of such programme 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 terms and conditions of the agreement.
- 17 The order of preference in case of any discrepancy as indicated in condition No. 8.1 under “ Conditions of Contract” give in standard NSG contract form may be read as the following:-
- (i) Nomenclature of items as per schedule of quantities.
 - (ii) Particular specification and special condition, if any.
 - (iii) CPWD specifications.
 - (iv) Architectural Drawings.
 - (v) Indian Standard Specifications of B.I.S.
 - (vi) Sound Engineering Practice A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site. If there are varying or conflicting provisions made in any document forming part of the contract, the Engineer-in-Charge shall be the deciding authority with regard to the intention/interpretation of the tender and his decision shall be final and binding on the contractor.

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1. **Ministry of Urban Development may be read as Ministry of Home Affairs.**
2. **Superintending Engineer may be read as Director (Engg) NSG.**
3. **Divisional Officer/Executive Engineer/Engineer-in-charge may be read as Squadron Commander (Engg) 27 SCG, NSG Chennai.**
4. **Sub-Divisional Officer/Assistant Engineer shall mean Team Commander, 27 SCG, NSG Chennai.**
5. **Divisional/Sub-divisional office shall mean SC(Engg.), 27 SCG NSG Chennai.**

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**Sqn. Cdr. (Engg.)
27 SCG NSG Chennai**

TERMS AND CONDITIONS

1. The work is required to be executed in restricted area and the contractor shall abide by the security instructions/written directives of NSG officials regarding working hours and entry in the building/area. No claim shall be entertained on this account.
2. Rates are inclusive of all leads, lifts including head lead. Before quoting rates, sites of works may be seen. Nothing extra shall be payable on this account. For plaster/paint up to 10 mtr height nothing extra will be payable on account of scaffolding. Contractor should quote the rate accordingly.
3. The main contractor has to associate agency(s) for specialize component(s) conforming to eligibility criteria as defined in the tender document and has to submit detail of such agency(s) to Engineer-in-Charge of relevant component(s) within prescribed time. Name of the agency(s) to be associated shall be approved by Engineer-in-Charge of relevant component(s).
4. The malba/garbage generated at site due to construction activities shall be removed from the site immediately & shall be disposed off by the contractor to the approved dumping site outside the NSG Campus at place designated by state government. Nothing extra shall be paid on this account.
5. 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 relevant, component(s).
6. 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.
7. The main contractor has to enter into MoU with agencie(s) associated by him. Copy of such MoU shall be submitted to Officer Sqn Cdr (Engg), 27 SCG NSG Chennai. In case of change of associate contractor, the main contractor has to enter into MoU/ agreement with the new contractor associated by him.
8. The building work shall be treated as complete when all the components of the work are complete. The completion certificate of the building work shall be recorded by Engineer-in-Charge of major component after record of completion certificate of all other components.
9. In case of testing of materials, contractor shall arrange sample of materials and its cartage to the test laboratory, testing charges shall be borne by the contractor. Nothing extra shall be paid on this account.
10. The contractor shall have to submit the list/document of workers and engineers to the department before execution of work for issuing the entry permission/passes etc. This process should complete before date of start of work as stipulated in award letter/LOI.
11. If the contractor uses electricity during execution of work, he has to obtain Electricity connection to connect the supply as per direction of TC/JE(E) of area concerned. If found any irregularity or theft case action will be taken as per direction of Engineer-in-Charge.
12. All extra/ substituted items shall be paid on the rates calculated on the basis of clause 12 of schedule 'F' of NIT.
13. Direction of Engineer-in-Charge about the priority of items should be final and time frame should be strictly adhered to. If the contractor fails to execute the items within time frame asked by the Engineer-in-Charge, Engineer-in-Charge will reserves the right to imposed penalty @ Rs.1000/day. If the contractor continuous to violate the direction of EIC continuously/ repeatedly, EIC reserve the rights to cancel the agreement and take action according to relevant clauses of agreement.
14. The contractor has to follow all COVID-19 guideline issued by GOI/NSG. Nothing will be paid extra on the account.
15. If Engineer-in-charge feels so, sample of cement and reinforcement can be sent for required test. In case sample of cement and steel does not confirm prescribespecification, the same shall be removed from site of work within three days from the date of order of Engineer-in-charge to remove materials.
16. Quantities of items indicated in schedule of work may vary either side. Before bringing materials at site, contractor may verify quantities as per requirement.

17. The contractor shall have to submit the list of workers and engineers to the department before execution of work for issuing the entry permission etc keeping in view of the security aspects.
18. All materials are required to be got approved from the Engineer in charge before execution of the work by the contractor. No T & P will be issued by the department.
19. **Statutory Requirements:**All the statutory obligations with respect to taxes etc. should be borne by the intending agency and the department shall remain indemnified.
20. **General Conditions:**Contractor / agency shall nominate sufficient eligible candidate of required profile against each workmen required. They will be screened for best candidate by Engineer – In – Charge before they are actually engaged at work. However, the firm shall be responsible for suitability of all workers engaged each category.
21. **Non Payment of Wages:**In case of any complaint by any worker against the contractor / agency is received by Engineer – In – Charge, the proportionate payment due to the contractor / agency shall be withheld from his bill and the case shall be referred to the concerned authority.
22. **Periodical Meeting:**A periodical review meeting of the contractor's / agency's representative with the Engineer – in – charge after every fortnight (as per convenience of Engineer – in – charge) shall be held.
23. **Safety of NSG Assets:**Any loss caused to NSG or its asset in any manner as result of carelessness / lack of skill / unwanted behavior or due to any other reason in any other form shall be recoverable from the agency. The decision of the Engineer – In – Charge with regard to quantum of loss and the penalty to be imposed shall be final and binding.
24. **T & P:**All the skilled workers should with equipped with personal tool kit on work as per site requirements (like irrigation /water supply pipe, hessian clothes, brooms or any type) First Aid box shall also be arranged by the contractor / agency at site of work. No extra payments will be made on those accounts by the department.
25. **Antecedents:**The contractor / agency shall employ only such persons whose antecedents are satisfactory. The contractor / agency have to certify that the persons engaged bear a good moral character. The bio – data of the staff engaged shall also be submitted to the Engineer – In – Charge before actually engaging them on work.
26. **Accidents:**Department shall not be responsible for any injury partial or permanent or death of any worker at site due to accident or malfunctioning of the equipments by negligence of the staff. The contractor shall absolve the department of any obligation on the above account.
27. **Termination of Contract:**The department shall be at liberty to discontinue contract / agreement by giving two weeks' notice without assigning reason thereof. Decision of Engineer – In – Charge shall be final and binding on the contractor for which, no claim on any account will be entertained by the department.
28. **Wages:**It shall be responsibility of the contractor to pay minimum wages to his workers as approved by the Government.
29. **Conduct:**The contractor / agency shall be responsible for the conduct and behavior of his employees. If any employee of the contractor / agency is found misbehaving with the supervisory staff or any other staff member, the contractor / agency shall terminate the services of such employee within 24 hours at their own risk and responsibility.
30. **Area:**The work is required to be executed in restricted area and the contractor / agency shall abide by all instructions / written directive of NSG official and follow all security norms.
31. **Experience:**Staff provided by duty shall be professionally competent and experienced in respective fields as described in these documents elsewhere.
32. **Loss & Damage:**Any loss or damage to the listed inventory of all services by the way of theft, sabotage or mal operation of equipment or any other machinery / switch gear shall be made good by the contractor / agency at his own cost.

33. **Services:**The contractor / agency should visit site before quoting and see himself the services for which he has to provide suitable necessary staff for its operation / maintenance.
34. The contractor shall provide necessary barriers, warning signals, and other safety measures while executing the work wherever required to prevent accidents.
35. Bidder must read the conditions given vide MoF, DoE, order no. F.No. 06/18/2019-PPD dated 23 July 2020. If any condition applies to any bidder, respective certificate as given in above order shall be enclosed duly signed by bidder, in case of any shortcoming in reference to this order is found, bids of such bidders shall be treated as cancelled.

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27 SCG NSG Chennai

ADDITIONAL CONDITIONS

- 1 The contractor is advised to get acquainted with the proposed work and its site and also study the Architectural Drawings, specifications and special conditions carefully before tendering. No claim of any sort shall be entertained on account of any site conditions and ignorance of specifications and special conditions.
- 2 The rates quoted by the contractor shall be taken as gross and nothing extra shall be paid on any account i.e. royalty, cartage, taxes (including GST) etc.
3. The rates for different items of work shall apply for all heights and depths, leads and lifts unless otherwise specified in the agreement or specifications applicable to the agreement.
4. Any damage done by the contractor to any existing work during the course of execution of the work shall be made good by him at his own cost.
- 5 Quality of samples brought by the contractor shall be judged by standards laid down in the relevant CPWD specifications. For the items not covered by CPWD specifications relevant BIS standards shall apply. The sample of materials to be brought to site for use in work shall be got approved from the Engineer-in-Charge before actual execution of work.
- 6 The quantities of each item shall not be exceeded beyond the agreement quantities without prior permission of Engineer-in-Charge.
- 7 Statutory deductions as per prevailing rules shall be made from the gross amount of the bill.
8. The contractor shall make his own arrangements for obtaining electric connection, if required and make necessary payments directly to the department concerned.
- 9 No payment shall be made to the contractor for any damage caused by rain, snow fall, floods or any other natural causes whatsoever during the execution of work, The damage caused to work shall have to be made good by the contractor at his own cost and no claim on this account shall be entertained.
- 10 Testing of materials :-
 - (i) In case there is any discrepancy in the frequency of testing as given in the list of mandatory test and that in the individual sub-head of work as per the CPWD specifications for work-2019 Vol-I & II with upto date correction slips, the higher of the frequencies shall be followed and nothing extra shall be payable to the contractor on this account.
 - (ii) Samples of all fittings and fixture to be provided shall be got approved from the Engineer-in-Charge before use in the work.
 - (iii) All expenditure to be incurred for testing of samples e.g. packaging, sealing, Transportation, loading, unloading etc, including testing charges shall be borne by contractor.
 - (iv) All material shall be tested from the list of approved labs.
- 11 Co-Ordination with other Agencies :-

Other agencies may also simultaneously be executing the Civil work, Electrical work, Horticulture or external services and other building works for the same building along with this work. The following services shall be extended by contractor to other agencies for carrying out their work.

 - (i) Access to various works of site.
 - (ii) Make available clear site

The contractor shall co-ordinate with all other agencies involved at the site or work so that the work of other agencies is not hampered. Where activity of contractor is directly affecting the progress of other agencies, the same shall be given priority. Contractor is required to note the milestones of other agencies and plan his activities to facilitate so as to avoid any hindrance to other agencies, In case of any conflict with work schedule of any other agency at site, decision of Engineer-in-Charge shall be final and binding.
- 12 Contractor has to co-ordinate with other contractor in such a manner so that they get reasonable time to take up their work. During execution of work Department may desire for completion of certain areas on priority, in such cases contractor shall modify his plan accordingly.
- 13 The cost of Co-ordination/facilities extended to other contractors shall be deemed to be included in the quoted amount of contractor and nothing extra shall be payable.

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

14. Some restrictions may be imposed by the security staff etc, on the working and or movement of labour and materials etc, the contractor shall be bound to follow all such restrictions/ instructions and nothing shall be payable on this account.
15. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards. He shall be responsible for all damages and accidents caused due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work by storing materials on the road.
16. The contractor shall be fully responsible for the safe custody of the material issued or brought by him to site for doing the work, till the time of handing over to NSG.
17. The rate for all items of work, shall unless otherwise clearly specified include cost of all labour, material and other inputs involved in the execution of the items.
18. Any reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revision/ amendment as issued by Bureau of Indian Standards up to last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian Standards applicable to the work, at site.
19. The contractor shall be make his own arrangement of electricity and its distribution at his own cost. The department will render only assistance to the contractor for making application to authorized Electric supply agency, if required. All the fees and charges including consumption charges shall be borne by the contractor for carrying out work at site.
20. The contractor shall clean the site thoroughly of scaffolding materials, rubbish, equipments left out of his work and dress the site around the building to the complete satisfaction of the Engineer-in-Charge before the work is treated as completed.
21. The labour welfare cess/ fund @ 1% of gross work done shall be deducted.
22. Maintenance of material at Site (MAS) Register- All the MAS Registers including Cement and Steel Registers shall be procured & maintained by Contractor which shall be issued to the contractor by Engineer-in-charge.
23. Contractor shall be responsible for safe custody of all registers e.g. test registers, MAS registers, Cement registers etc issued by the Engineer-in-Charge.
24. The department shall be at full liberty to get the installation inspected by the third party of any other quality check team and the contractor shall have to make all modifications in the designing and installations as communicated to it by the department inter-alia advised by the third party.
25. **DISCREPANCY BETWEEN THE NOMENCLATURE OF ITEMS, SPECIFICATIONS, AND /OR THE DRAWINGS**

The following specifications are applicable for the work. In case of discrepancy between the nomenclature of items, specifications and /or the drawings or in case no specifications are specified (Refer clause 28 of one General Conditions of the Contract-2023) the following order of preference shall be observed:

- (i) Nomenclature of items including the scope of work as given in schedule of quantities of this tender.
- (ii) Technical/Particular Specifications, Special conditions and other provisions of this tender and model of fixtures mentioned.
- (iii) Drawings.
- (iv) CPWD Specifications(latest edition) with upto date correction slips issued upto the lastdate of the month prior to month of submission of tender.
- (v) BIS Codes with latest revisions issued upto the last day of the month prior to month of submission of tender.
- (vi) International standards and accepted international practices as approved by Engineer-in-Charge.
- (vii) Sound Engineering Practice as per directions of the Engineer-en-Charge.

If there are varying or conflicting provisions made in any document forming part of the contract ,the Engineer-in-Charge shall be the deciding authority with regards to the intention/interpretation of the tender and his decision shall be final and binding on the contractor.

- 26 Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work of pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
- 27 The building work will be carried out in the manner complying in all respects with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-Charge and nothing extra will be paid on this account.
- 28 The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal Corporation or such local body-byelaws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.
- 29 Water tanks, taps sanitary, water supply and drainage pipes, fittings and accessories should conform to byelaws and specifications of the 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.
- 30 The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charge, which he may be liable.
- 31 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test. Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra should be payable (or) extra cement considered in consumption on this account.
- 32 The structural and Architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and Architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.
- 33 The Contractor shall furnish his proposed methodology and programme of construction in comprehensive manner of executing and completing the work within the stipulated period and also for achieving the milestones simultaneously with in the specified periods in schedule "F" within 7 days of acceptance of tender. The programme shall consist of the various components for each part of the work stipulated to be completed as per the tender schedule and a bar chart may be appended in this connection, failing which an amount of Rs 10,000 will be deducted / levied and the decision of Engineer in charge in this regard is final .
- 34 The contractor shall take instructions from the Engineer-in-Charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services compound walls are to be constructed.
- 35 If as per Municipal / Local body rules the huts for labour are not be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
- 36 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand and bajri etc., collected by him for the execution of the work direct to the Revenue authority or authorized agent of the State Government concerned or Central Government.
- 37 Wherever Hindi version also exists, and if there be variations between Hindi and English version in any part of the tender documents, the English version alone shall prevail.
- 38 The Rate for RCC works include cost of concreting in sloped & curved roof, chajjas& beams and no extra rate shall be payable on any account.
- 39 The Rate for Centering & shuttering under concrete items include cost of centering and shuttering in curves & arches up to 20 degrees.
- 40 The Contractor should construct proper mortar bands of lean mix with adequate depth & smaller size over the curved roof for flooding with water & proper curing. In case of Arches, wet gunny bags shall be used for a period of two weeks.

- 41 Architectural Drawings are available with the SC(Engg) 27 SCG NSG. Tenderers are advised to look in to the drawing before tendering and acknowledgement of having seen the drawings available with the SC(Engg) 27 SCG NSG.
- 42 Samples of all materials, fixtures, fittings like flooring tiles, wall tiles, doors, windows, sanitary fittings, roofing sheets etc. shall be got approved in advance before placing order for them. Similarly samples of all works like fixing roofing sheets, flooring, plastering, painting etc. shall be prepared in advance and got approved from the Engineer-in-Charge before taking up the work.
- 43 The rate for the different flooring items under Flooring sub head, includes the cost of extra cement mortar required to be laid for making the finished floor level at par with the Kota stone flooring at all floors and at all levels, and nothing extra shall be payable on any account.
- 44 The contractor shall produce all the materials in advance so that there is sufficient time for testing and approving the material and clearance of the same before use in work.
- 45 All the ISI marked products are acceptable as per CPWD specifications at all times subject to the necessary Technical evaluation and necessity Vis-à-vis work.

ADDITIONAL CONDITION FOR SUBMISSION OF THE STRUCTURAL DESIGN & DRAWING

1. The Contractor/ Agency shall submit structural design of building/trusses etc. along with detailed design calculation and six sets of structural drawings within 15 days of award of work, for the approval of the competent authority. If he fails to submit the drawings along with detailed design calculation by this time, the delay on this account will be attributable to the Contractor. The design should be based on the architectural drawings supplied by the department. The design should be got done through a reputed design consultant with the prior approval of the Engineer-in-Charge. Nothing extra shall be paid to the Contractor/ Agency on this account.
2. The work shall be executed in accordance with the drawings approved by the competent authority, which will be issued at regular intervals as per requirement. No extra time for submission & approval of structural drawings will be granted. Change in design if any, as may be required to meet the provision of relevant IS code and the accepted designs principle and CPWD specification shall be made accordingly by the Contractor/ Agency without any cost. The decision of the tender accepting authority in this regard shall be final and shall not be open to Arbitration.
3. The Contractor/ Agency shall be responsible for correctness of the design and also for structural safety of the building. Approval of design by the department shall not absolve the Contractor/ Agency of his responsibility in this regard.
4. In case of any dispute or interpretation of any provision, the decision of Engineer-in-charge shall be final and binding on the Contractor/ Agency and shall be open to Arbitration.

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27 SCG NSG Chennai

SPECIAL CONDITIONS

1. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, machinery, equipment, temporary structures and transport which may be required in preparation of and for the full and entire execution and completion of the works. The descriptions given in Schedule of Quantities shall, unless otherwise state, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting setting, fitting and fixing in position and all other laborers necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.

2. **DEVIATION FROM THE DRAWINGS, SPECIFICATIONS, STIPULATION, CONDITIONS**

The contractor is not to vary or deviate from the drawings, specifications, stipulation, conditions of tender document or instructions to execute any work of any kind whatsoever unless so authorised by the Engineer-in-Charge in writing. For any extra work involved in consequence of some breach of this contract or the part of the contract (s), no extra payment will be admissible to the contractor.

3. **PROTECTION OF WORKS**

All finished works shall be protected from damage that could arise from other construction activities. Work shall be planned and executed in such a manner that work completed by others is not damaged. The compliance of these provisions is deemed to be included in the quoted amount and nothing extra shall be paid on this account. The contractor shall maintain in good condition all work till the completion of entire work allotted to him. Engineer-in-Charge shall not be held responsible for any claims for injuries to persons/workmen or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or of any other of his authorized representatives/ labour in his employment during the execution of the work. The compensation, if any, shall be paid directly to the department/authority/persons concerned, by the contractor at his own cost.

The contractor shall take adequate precautions for work in progress as well as completed works from flooding particularly during the rainy season.

4. **RIGHT TO CARRY OUT THE WORK.**

The right to carry out the work either in conformity with or in a manner entirely different from the terms of this tender document that may be considered the most suitable before or subsequent to the receipt of tenders due to exigencies of work is reserved with the Engineer-in-Charge.

5. **PROGRESS OF WORK**

Contractor shall give the Engineer-in-Charge on the 10th day of each month, progress report in the prescribed format of the work done during the previous month and program/proposal for the next month. Such progress report will include the quantum of work done, important materials consumed, and materials available, materials proposed to be procured during the month & photographs of important activities as well as showing progress of the work.

6. **NIGHT WORK**

For completing the work in time, the contractor/manufacture might be required to work in two or more shifts (including night work) and no claim whatsoever shall be entertained on this account, notwithstanding the fact that the contractor/manufacture will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and or extra amounts for any other reason.

7. **CONTRACTOR TO INDEMNIFY**

The Contractor shall at all times indemnify the department against all claims, damages of compensation under the provisions of payments of Wages Act 1963, Workmen's Compensation Act 1923, Minimum Wages Act 1948, Employment Liability Act 1938, Industrial Disputes Act 1947, Maternity Benefit Act 1961, Interstate Migrant Workmen (Regulation of Employment and Conditions Sewage) Act 1979 or any modifications thereof or any other law relating thereto any rules made there under from time to time or as a consequence of any accident or injury to any workmen or other person in or about the works, whether in the employment of the Contractor or not, save and except where such accident or injury has resulted from any act of the department, their agents or servants and also against all costs, charges and expenses of any suit, action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the Contractor be paid to compromise or compound any such claim without limiting his obligation and liabilities as above. The Contractor insure against all claims, damages

or compensation payable under the Workmen's Compensation Act 1923, or any modifications thereof or any other law relating thereto. The Contractor shall ensure that similar insurance policies are taken out by his sub-contractor (if any) and shall be responsible for any claims or losses to department resulting from their failure to obtain adequate insurance protection in connection thereof. The contractor shall procure or cause to be produced by his Sub-Contractors (if any) as the case may be relevant policy or policies and premium receipts as and when required by the Engineer-in-Charge.

8. SAFETY OF WORKERS

Over and above the provisions made in CPWD Safety Code the following will also be applicable : In respect of all workmen directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractor shall at his expense arrange for the safety provisions as per Indian Standard Safety codes shown below and shall at his own expense provide necessary facilities as aforesaid, he shall be liable to pay penalty prescribed under relevant clauses of these tender documents for each default and in addition the Engineer-in-Charge shall have liberty to make arrangement and provide facilities as aforesaid and recover the cost incurred on that behalf from the contractor.

1. IS: 3696 (Part I) Safety code for scaffolds and ladders.
2. IS:3696 (Part II) Safety code for scaffolds and ladders Part II ladders.
3. IS: 4081 Safety code for blasting and drilling operations.
4. IS:7293 Safety code for working with construction machinery.
5. IS:7969 Safety code for storage and handling of building materials.
6. Any other code and/ or as per directions of Engineer-in-Charge.

9. COMPLIANCE OF LAWS

The contractor shall keep himself fully informed of all acts and laws of the Central and state govt. (i.e. Tamil Nadu) all local bye laws, ordinances, rules and regulations and all orders and decree of bodies or tribunals having any jurisdiction or authority which in any manner affect those engaged or employed on the work or which in any way affect the conduct of the works. Contractor shall at all times, observe and comply with all such laws, ordinances, rules, regulations, orders and decrees, and shall give all notices and pay out of his own money any fees or charges to which he may be liable. He shall protect and indemnify the Department and its officers and employees against any claim or liability arising out of violations of any such law, ordinances, legislations, order or decree, whether by himself or by his employees & authorized representatives.

10. PREVENTION OF NUISANCE AND POLLUTION

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 and any pollution. He shall make good at his own cost and to the satisfaction of the Engineer-in-Charge, any damage to roads, paths, drainage works or public or private property whatsoever caused by the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be cleaned away by the contractor without any reservations entirely to the satisfaction of the Engineer-in-Charge at no extra cost.

11. NO WAIVING OF LEGAL RIGHTS AND POWERS

The Engineer-in-Charge shall not be precluded or stopped from taking any measurements, and framing of estimates or detaining any certificates made either before or after the completion and acceptance of the work and payment, from showing the true amount and character of the works performed and materials furnished by the contractor and from showing that any such measurements, estimates or certificates untrue or incorrectly made and that Engineer-in-Charge shall not be precluded or stopped from recovering from the contractor such damages as it may be sustained by reasons of his failure to comply with the terms and conditions of the contract. Neither the acceptance by the Engineer-in-Charge nor any payment for acceptance of the whole or any part of the work nor any extension of time nor any possession taken by the Engineer-in-Charge shall operate as a waiver of any portion of the contract or any power here in reserved or of any risk to damage. A waiver of any breach of the contract shall not be held to be a waiver of any other or subsequent breach.

12. SITE MAINTENANCE

The Contractor shall maintain the Sites in good order during the whole contraction period. It is strictly prohibited to bury any kind of waste materials, solid or liquid, in the ground. In the event of accidental discharge of polluting material, the Contractor shall take immediate mitigating action and shall immediately inform the Client and the appropriate authorities.

Addition: NIL Correction : NIL Overwriting :NIL Deletion : NIL AE(P) AE(E) (P) EE(P)

13. PERSONAL PROTECTIVE EQUIPMENT

The contractor shall provide required PPEs to workmen to protect against safety and/ or health hazards. Primarily PPEs are required for the following protection.

- (i) Head Protection (Safety helmets)
- (ii) Foot Protection (Safety footwear, Gumboot etc)
- (iii) Body Protection (High visibility clothing (waistcoat/jacket), Apron etc.
- (iv) Personal fall protection (Full body harness, Rope-grap fall arrester etc)
- (v) Eye protection (Goggles, Welder's glasses etc)
- (vi) Hand protection (Gloves, finer coats etc)
- (vii) Respiratory Protection (Nose mask, SCBAs etc)
- (viii) Hearing Protection (Ear plugs, Ear muffs etc)

The PPEs and safety appliances provided by the contractor shall be of the standard as prescribed by Bureau of Indian Standards (BIS). If materials conforming to BIS standards are not available the contractor as approved by the Engineer-in-Charge shall procure PPE and safety appliances.

All construction workers should be provided with high visibility jackets with reflective tapes conforming to the requirement specified under BS EN 471: 1994. The conspicuity of workmen at all times shall be increased so as to protect them from speeding vehicular traffic.

The contractor shall provide safety helmet, safety shoe and high visibility clothing for all employee including workmen, traffic marshal and other employees who are engaged for any work under this contract as per the following requirement.

In addition to the above any other PPE required for any specific jobs like, welding and cutting, working at height, tunneling etc shall also be provided to all workmen and also ensure that all workmen use the PPEs properly while on the job. The contractor shall not pay and cash amount in lieu to PPE to the workers/sub-contractors and expect them to buy and use during work. The contractor shall at all time maintain a minimum of 10% spare PPEs and safety appliances and properly record and show to the Engineer-in-Charge during the inspections. It is always the duty of the contractor to provide required PPEs for all visitors towards this required quantity of PPEs shall be kept always at the security post.

14. VISITORS TO SITE

No visitor is allowed to enter the site without the permission of the Engineer-in-Charge. All authorized visitors should report at the site office and contractor shall provide visitor's helmet (White helmet with visitor sticker) and other PPEs like safety shoe, reflective jacket, and respiratory protection etc as per requirement of the site. All visitors shall be accompanied at all times by a responsible member of the site personnel. The contractor shall be fully responsible for all visitors' safety and health within the site.

15. EMPLOYER'S RISK

a) In the event of any such loss or damage happening from any of the excepted risks defined in GCC 2023 pertaining to permanent works, as in combination with other risks, the contractor shall, if so required by the Engineer-in-Charge, rectify the loss or damage. An addition to the contract price shall be determined treating the work done to rectify the loss or damage as variation/extra/substituted it, as given in the relevant clauses.

b) Whenever any event as mentioned above occurs, the contractor will notify the Engineer-in-Charge, within 14 days and provide a forecast cost of repairs/rectifications of damages/losses. As soon as information demonstrating the effect of such event is available, the Engineer-in-Charge shall assess the cost of repairs/rectifications to be paid. In case contractor's forecast is deemed unreasonable, the Engineer-on-Charge shall adjust the contract price and/ or extend the contract.

16. ENTRY IN CAMPUS

The Contractor shall be responsible for making pass of all the engineers / labours required for executing of work for which all required documents shall be arranged by contractor himself. Any observation raised by Security staff shall be complied by contractor himself. No hindrance will be paid to the contractor on this behalf.

17. 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 including necessary shoring

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 including necessary shoring shall be taken by the Contractor. Also the scheme of dewatering and shoring 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.

16 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. All Risk Insurance Policy for an amount 1.25 times the contract amount 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 SubContractors/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 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.

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. An indicative but not exhaustive list of some of the applicable permits are mentioned below for the guidance of the Contractor.
- (iii) Consequences on account of failure to obtain the mandatory permits shall be the sole responsibility of the contractor and no claim what so ever shall be entertained by the Engineer In Charge. Any liability incurred by Engineer In Charge on account of such failure shall be recovered from the amounts/payments due to the contractor.
 - Permission of the State Government for extraction / quarrying of boulders
 - ,• sand, earth etc. from quarry / river. Permission of Pollution Control Board for installation of crushers;
 - License for use of explosives;
 - Permission of the State Government for drawing water from river/reservoir;
 - License from Inspector of factories or other competent authority for setting of
 - Batching Plant; Clearance of Pollution Control Board for setting up Batching Plant;
 - Clearance of Pollution Control Board for Asphalt Plant;
 - Clearance of Pollution Control Board for installation of diesel generator sets;
 - Fire safety clearance from fire authorities;
 - Permission of State Government for cutting of trees; if any.
 - Permit for employing unskilled/semi skilled labour during day/night.

- Permit for disposal of solid waste/excess material or soil,
- Permissions from the public utilities for diversion of utilities including reinstatement/reconstruction to original specifications; Approvals for electric supply/distributions;
- Any other permits or clearance required under the Applicable laws.

17 **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.
- 4) 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 precautions 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.
- 5) 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.
- 6) 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.
- 7) 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.
- 8) The contractor shall compulsory use of wet jet in grinding and stone cutting.
- 9) The contractor shall comply all the preventive and protective environmental steps as stated 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 except for the items existing in the schedule of quantities. For such items, work done shall be paid on the basis of the agreement rates.

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SPECIAL CLAUSE OF CONTRACT

1. All the dismantle material will be stacked by contractor and handed over to the department after completion of work with proper listing counting of dismantle material as per direction of engineer- in-charge and nothing extra payment shall be made for this.
2. For the release of payments (after receiving the pass order from the SC(Engg), 27 SCG NSG, necessary action will be taken by NCDDO (DDO). For any payment related issue of the bill has to contact with Admin officer only of the establishment (not contact in this regard to Engineering Br. or DDO)

SPECIAL CONDITIONS FOR CEMENT

1. The contractor shall, at his own expense procure and provide all materials including cement and steel required for the work.
2. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.
3. All materials brought by the contractor for use in the work shall be got checked from the Engineer-In-Charge or his authorised representative of the work on receipt of the same at site before use.
4. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost. The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock and key system.
5. Contractor has to produce manufacturers test certificate for each lot of cement & steel procured at site.

6. CONDITIONS FOR CEMENT:-

- 6.1 The contractor shall procure 43 grade ordinary Portland Cement conforming to IS 8112/ Portland Pozzolana cement conforming to IS 1489 (Part-I), as required in the work, from reputed manufacturers of cement such as ACC, UltraTech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tones per annum as approved by ADG for that sub region. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it 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.
- 6.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer- in- charge. 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 or which no extra payment shall be made.
- 6.3 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.
- 6.4 The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:
 - (a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
 - (b) By the Department, if the results show that the cement conforms to relevant BIS codes.

- 6.5 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the cement consumption is less than theoretical consumption including permissible variation, recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to made.
- 6.6 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.
- 6.7 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.
- 6.8 The cement in bags shall be stacked by the contractor in two godowns one for fresh arrival to be tested for quality and another already tested in use having weather proof roof and walls and on a proper floor consisting of two layers of dry bricks laid on well consolidated earth at a level at least 30 cm above the ground level. These stacks shall be in rows of two bags deep and 10 bags high with a minimum of 60 cm. clear space all round. The bags should be placed horizontally continuous in each line as per sketch given in **CPWD Specification – 2019**. The sketch is only for guidance. Actual size / shape of godowns shall be as per site requirement. The decision of Engineer-in-Charge regarding the capacity needed will be final and nothing extra shall be paid on this account.
- 6.9 Cement register for the cement shall be maintained at site. The account of daily receipts and issue of cement shall be maintained in the register by the authorized representative of the Engineer-in-charge and signed daily by contractor or his authorized agent.
- 6.10 Cement, which is not used within 90 days from its date of manufacture, shall be tested at Govt. laboratory. Until the results of such tests are found satisfactory, it shall not be used in any work.

PROFORMA FOR THE CEMENT REGISTER

PARTICULARS OF RECEIPT			PARTICULARS OF ISSUE			REMARK							
Date of receipt	Quantity received	Progressive Total	Date of issued	Quantity issued	Item of work for which issued	Quantity returned at the end of the day	Total issued	Daily Balance in hand	Contractors initials	J.E's initials	Asstt. Engg. initials	A.E. initials	Periodical Check
1	2	3	4	5	6	7	8	9	10	11	12	13	14

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SPECIAL CONDITIONS FOR STEEL

- 1.1 The contractor shall procure TMT bars of Fe500 grade from primary producers such as SAIL, Tata Steel Ltd., RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd. or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of 2.0 Million tons per annum and above.

In case of non-availability of steel from primary producers the NIT approving authority may permit use of TMT reinforcement bars procured from secondary producers having Integrated Steel Plants (ISPs) using iron ore as the basic raw material for production of crude steel which is further rolled into finished shapes in-house having crude steel capacity of 0.5 Milliontonne per annum and more.

In case of non-availability of steel from primary producers as well as ISPs then the NIT approving authority may also permit use of TMT reinforcement bars procured from secondary producers in such cases following conditions are applicable.

The grade of the steel such as Fe500 grade to be procured is to be specified as per BIS 1786-2008.

- (a) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.
 - (b) The TMT bars procured from primary producers & ISP shall conform to manufacture's specifications.
 - (c) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.
 - (d) TMT bars procured either from primary producers ISP or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to Fe 500 grade of steel as specified in the tender.
- 1.2 The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work.
- 1.3 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (1)(d) & (1)(e) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.
- 1.4 The steel reinforcement bars shall be brought to the site in bulk supply of 10 tonnes or more, or as decided by the Engineer-in-charge.
- 1.5 The steel reinforcement bars shall be stored by the contractor at site of work in such a way as to prevent their distortion and corrosion, and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.
- 1.6 For checking nominal mass, tensile strength, bend test, re-bend test etc. specimens of sufficient length shall be cut from each size of the bar at random, and at frequency not less than that specified below:

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

- 1.7 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/Department in the manner indicated below:

- (a) By the contractor, if the results show that the steel does not conform to relevant BIS codes.
- (b) By the Department, if the results show that the steel conforms to relevant BIS codes.

- 1.8 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein. In case the consumption is less than theoretical consumption including permissible variations recovery at the rate so prescribed shall be made. In case of excess consumption no adjustment need to be made.
- 1.9 The steel brought to site and the steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.
- 1.10 Contractor shall be permitted to use TMT reinforcement bars procured from secondary producers subject to rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs.7.00 per kg. (Which includes Contractor's Profit and Over Heads as applicable).
- 1.11 In case the contractor bring surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in- Charge.
- 1.12 The mild steel and medium tensile steel bars to be used shall conform to latest version of IS: 432 and cold twisted bars and TMT bars shall conform to the latest version of IS: 1786.
- 1.13 i) Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and un-authorized overlaps shall not be measured.
- ii) The standard sectional weights referred to as in Table 5.4 in para 5.3.4 in CPWD Specifications (Vol-I) 2009 for Cement Mortar, Cement Concrete and RCC Works will be considered for conversion of length of various sizes of M.S. Bars and T.M.T. bars into Standard Weight.
- iii) 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.
- iv) a) If the Derived Weight as in sub-para (iii) above is lesser than the Standard Weight as in Sub-para (ii) above then the Derived Actual Weight shall be taken for payment.
- b) If the Derived Actual Weight is found more than the Standard Weight, the Standard Weight as worked out in sub-para (ii) 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.

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PARTICULAR SPECIFICATION AND ADDITIONAL CONDITIONS FOR WATER PROOFING WORK

The work shall be got executed as per CPWD Specifications and as per the manufacturer's specification through specialized agency as approved by the Engineer-in-charge. The contractor shall furnish the following particulars immediately after the issue of letter of acceptance by the department.

- a. The name of the specialized firm.
- b. The trade names of the product, which would be used.
- c. List of works where the treatment has been used.
- d. Quantity of chlorides and sulphates available in the product.

GUARANTEE FOR WATER PROOFING TREATMENT

The contractor shall be fully responsible for and shall guarantee proper performance of the entire waterproofing system for a period of 5 (Five) years to be reckoned from the date after the maintenance period prescribed in the contract, which shall be furnished in a non-judicial stamp paper of value not less than Rs.100/- in approved proforma before final payment and shall not in any way limit any other rights of the Employer may have under the contract. Guarantee for water proofing shall comprises of all the items described above in particular specification.

All water-proofing work shall be carried out through approved specialist agency as per method of working approved by the Engineer-in-charge. However, the contractor shall be solely responsible for waterproofing treatment until the expiry of the above guarantee period.

Ten years guarantee in the prescribed proforma attached shall be given by the contractor for the water proofing treatment. In addition, 10% (ten percent) of the cost of these items of water proofing under this sub head shall be retained as guarantee to watch the performance of the work executed. However, half of this amount (withheld) would be released after Two and half years from the date of completion of the work if the performance of the waterproofing works is satisfactory. The remaining withheld amount shall be released after completion of Five years from the date of completion of work if the performance of the waterproofing work is satisfactory.

If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days of issuing of notice by the Engineer-in-Charge and, if not attended to, the same shall be got done through other agency at the risk and cost of the contractor and recovery shall be effected from the amount retained towards guarantee. In any case, the contractor and the specialist agency, during the guarantee period, shall inspect and examine the treatment once in every year and make good any defect observed and confirm the same in writing. The security deposit can be released in full, if bank guarantee of equivalent amount, valid for the duration of guarantee period, is produced and deposited with the Department.

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GENERAL SPECIFICATIONS

1 The work, in general, shall be executed as per the description of Item, and CPWD specifications 2019 Vol, I & II with correction slips up to the date of receipt of tender.

2 All the works unless otherwise specified hereinafter or permitted by Engineer-in-Charge shall be done in accordance with the latest editions of IRC codes as on the date of receipt of tenders or any other specified code. In addition, relevant IS Codes.(latest revision), and CPWD Specifications 2009 Vol, I & II with upto date correction slips shall also be applicable.

Any additional standard specifications or criteria published by the IRC/BIS or other foreign standard and in practice on the date of receipt of tenders shall also be taken into account. In the absence of any definite provisions on any particular issue in the above mentioned specifications, the design and construction shall be in conformity with the Sound Engineering Practice and in all such matters the decision of the Engineer-in-Charge shall be final and binding on the contractor and nothing shall be paid extra.

In case of any discrepancy or contradiction amongst the specified standards the following order of preferences shall generally prevail.

- i. Nomenclature of item etc given in Schedule of Quantities.
- ii. Particular Specifications & Special conditions for this work, if any.
- iii. Particular Specifications, Special Conditions, Special Conditions for Cement & steel and additional conditions if any.
- iv. General Specifications and General Conditions, if any.
- v. Drawings attached with the tender.
- vi. CPWD specifications, 2019 Vol I & II with upto date correction slips.
- vii. All relevant IS Codes with the latest revisions.

If there are varying or conflicting provisions made in any document forming part of the contract, the Engineer-in-Charge shall be the deciding authority with regard to the Intention / interpretation of the document and his decision shall be binding without any reservations.

3 The contractor shall ensure quality control measures on different aspects of construction materials, workmanship and correct construction methodologies to be a NSG. He shall have to submit brief quality assurance programme within two weeks of the award of the work detailing list of Engineers and make of different materials to be used in the work.

3.1 The contractor shall submit brand/make of various materials to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.

3.2 The contractor shall submit shop drawings of staging and formwork arrangement etc. for the approval of Engineer-in-Charge. The contractor shall also submit bar bending schedule for approval of Engineer-in- Charge before execution.

3.3 The contractor shall get the water tested with regard to its suitability for use in the works and get written approval from the Engineer- in-Charge before he proceeds with the use of same for execution of works. If the tube well water is not suitable, the contractor shall arrange Municipal water at his own cost and nothing extra shall be paid to the contractor on this account. Water charges shall not be recovered in case arrangement of water is made at his own by the contractor.

3.4 Wherever any reference to any Indian Standard Specifications and other relevant codes occur in the documents relating to this contract same shall be inclusive of all amendments issued thereto or revision thereof, if any, upto date of receipt of the tender.

- 3.5 All the drawings shall at all times be properly correlated by the contractor before executing the work and no claim what so ever shall be entertained for failing to do so. In case of any discrepancy in the specifications, schedule of quantity and drawings, the decision of the Engineer-in-charge shall be final, conclusive and binding on the contractor.
- 2.6 Rates for the Items are inclusive of all labour, materials, T&P , incidental charges, contractors profit and overheads etc. unless, otherwise, specified. The contractors shall quote the rates accordingly.

List of Approved materials (CIVIL)

NOTE: Notwithstanding to the approval given in the list, the field staff are requested to observe the following conditions

1. Equivalent material and finishes of any other make may be used on written request of the contractor, in case of unavoidable circumstances and also if it is established that minimum three brands are not specified below or three brands out of all brands specified below are not available in the market, after written approval of the alternate brand by the NIT approving authority. This substitution shall be subject to cost adjustment in case the substituting brand is available at cheaper rates in market than those mentioned herein above. There shall be no cost adjustment if the substituting brand is costlier in market than those mentioned herein.

2. In addition, the brands approved as hereunder, should have valid and active BIS certificate as on the date of supply for the work.

3. Material shall conform to Make in India policy of Government of India as on the date of supply for the work

4. Other brands not included in the list below but having BIS certificate on the date of supply for the work shall only be allowed against note (1) above.

5. In case of non availability of BIS codes for any of the materials incorporated above, the Engineer-in-charge shall send the materials for testing as per the relevant ASTM or EN codes and satisfy himself before using the same in work.

6. In case the quantity of an item is more than one, same make shall be supplied / used.

The contractor shall get the samples of all other items, not covered or not covered in the above list of preferred of makes of materials, by the Engineer-In-Charge. The decision of the Engineer-in-charge is final in this regard.

Sl.No	Material Description	Brand	Make
SUB HEAD NO. 2 – EARTH WORK			
1	Chlorpyrifos	DURS BANCTT	DE-NOCIL Ltd.
		Premise Agens	Bayer Ltd
		PIRAMID	AMVAC AGRI RASAYAN Pvt Ltd
		NOBAN	Chemists Wets & Flows Pvt. Ltd
		HILBAN	Hindustan Insecticides Ltd.
		Sarups Pest Control	Sarups Pest Control Ltd
SUB HEAD NO.3 – MORTAR			
1	Ordinary Portland Cement (43 grade) / PPC / PSC	ACC	ACC Cements Ltd
		Ultra Tech	Ultra Tech Cement Ltd
		Coromandal	India Cements Ltd
		Chettinadu	Chettinadu Cement Corporation Ltd
		Bharathi	Bharathi Cement Corporation Ltd
		Dalmia	Dalmia Cement Bharat Ltd.
		Zuari	Zuari Cement Ltd
		JSW	JSW Cement Ltd
		Japee Cement	Japee Cement Ltd
		Maha Cement	Myhome Industries Pvt Ltd
		J K Cement	J K Cement Pvt Ltd
		Ambuja Cement	Ambuja Cements Ltd
		Penna Cement	Penna Cement Industries Ltd
		Konark Cement	Konark Cement
		Centuary Cement	Birla Gold Cement
		Shree Cement	Shree Cement
		Ramco Cement	Ramco Cement Ltd
		Sagar Cement	Sagar Cement Ltd
		Emami Cement	Emami Cement Ltd
SUB HEAD NO. 4 – CONCRETE WORK			
1	Damp Proof course materials	MAPEI	MAPEI Construction Products India Pvt Ltd

		Impermro	Snowcem Paints
		Durasel	Apuwa India Pvt Ltd
		ACCO Proof	ACC Cement Ltd
		Dr. Fixit	Pidilite Industries
		Ferrous crete	Ferrous Crete (India) Pvt Ltd
		Fosroc	Fosroc Chemicals India Pvt Ltd
		CICO	CICO Industries
		SIKA	Sika India Pvt Ltd
		PIDILITE	Pidilite Industries Ltd
		BASF	BASF India Ltd
		MYK	MYK LATICRETE India Pvt Ltd
		Asian Paints smart care dampproof	Asian Paints Ltd
		Weather Coat Roof guard	Berger Paints
		Polytancretiweil	Sunanda Speciality Coatings Pvt Ltd
		Wallshield 2K	Berger Paints
		KCPL	Kunal Conchem Pvt Ltd
SUB HEAD No. 5			
REINFORCED CONCRETE WORK			
1	TMT bars Fe-500D	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL Ltd.
		VIZAG	RINL /Rashtriy Ispat Nigam Ltd.
		JSW	Jindal Steel Ltd.
2	Plasticiser & Super Plasticiser	Contranment, power flow	MC Bauchemie (India) Pvt. Ltd.
		Sunanda Chemicals	Sunanda Chemicals
		Plastiment, Sikament	Sika India Pvt Ltd
		Coplacst SP430	FOSROC India
		Chryso-HP / Delta / Optima	Chryso India Pvt Ltd
		MYK Schomburg	MYK Aments range of products
		BASF	BASF India Ltd
		CICO	CICO Industries
		Smart Care Techno Plast / Smart Care Maximo Plast	Asian Paints Ltd
		Endura	H.R. Johnsons
		KCPL	Kunal Conchem Pvt Ltd
3	Expansion Joint Bitumen Board	Dura board HD100	Supreme Industries
		DURAFILL	Supreme Industries
		STP	Shalimar Tar Products
4	Grout	Ardex	Ardex Endura Adhesive India Pvt Ltd
		LATA POXY	MYK LATICRETE India Pvt Ltd
		Fugabella, Porcelana	Kerakoll India Pvt Ltd
		Dr. Fixit	Pidilite Industries Ltd
		Weber	Saint-Gobain India Pvt. Ltd
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd
		BASF	BASF India Ltd
		FosrocGP2	Fosroc India Ltd
		MYK Schomburg	MYK Aments range of products
		FugabellaPorcelana	Kerakoll India Pvt Ltd
		Keraproxy	MAPEI Construction Products India Pvt Ltd

		KCPL	Kunal Conchem Pvt Ltd
		Asian paints Smart Care SC GP Grout Grey	Asian Paints
		Pidilite	Pidilite Industries Ltd
		Care	Care
		Mapefill GPN	MAPEI Construction Products India Pvt Ltd
		SIKA	Sika India
		Smart Care SC GP Grout Grey	Asian Paints
		Homesheildsuper-grout	Berger Paints
5	Ready Mix Concrete	Ultra Tech	Ultra Tech Concrete
		ACC	ACC Ltd
		RMC (India)	RMC (India) Pvt Ltd
		Lafarge	Lafarge India Pvt Ltd
6	Mechanical coupler for Reinforcement	Dextra	Dextra India Pvt Ltd
		Sanfield	Sanfield India Ltd
7	Post Tensioning System	CRUX	Crux Processing Systems Pvt Ltd
		VSL	VSL India Pvt Ltd
		Ultracon	Ultracon Structural Systems Pvt Ltd
		BBR	BBR (India) Pvt Ltd
8	PT Strands	DP Wires	DP Wires Ltd
		TATA Wiron	TATA Steel Ltd
		Usha Martin	Usha Martin Ltd
9	Adhesive	Dunlop	India Tyre & Rubber Co (India) Ltd
		Vamorganic	Vamorganic Ltd
		Sika	Sika India Pvt Ltd
		Prooffx of adhesive	FOSROC India
10	Grout	Ardex	Ardex Endura Adhesive India Pvt Ltd
		LATA POXY	MYK LATICRETE India Pvt Ltd
		Fugabella, Porcelana	Kerakoll India Pvt Ltd
		Weber	Saint-Gobain India Pvt Ltd
SUB HEAD NO.9 – WOOD & PVC WORK			
1	Wooden Flush Door Shutters	Jayna ply	Jain Wood Industries
		Ravella door	Ravella Industrials (P) Ltd
		Kailash	Kailash Hi Tech Timber Industries India Pvt Ltd
		Shakthi	Shree Shakthi Modern Flush doors
		Greenlam	Greenlam Industries
		Mayur	Mayur Plywood
		MP Ply wood products	MP Wood Products
		Archidply	Archidply Industries Ltd
		DEC	D.E.C Infrastructure & Project (India) Pvt Ltd
		Greenpanel	Greenpanel Industries Ltd
		Jain Doors	Jain Doors Pvt Ltd
		Indian Timber Products	Indian Timber Products
		Kitply	Kitply Industries Ltd
		DuroFlushdoors	Duro Ply Industries Ltd
		Kenwood	Kenwood Ply & Board
		Century	Century Flush Doors
		Jayna ply	Jain Wood Industries
2	Water Proof Plywood,	Greenpanel	Greenpanel Industries Ltd.

	Commercial ply, Fire retardant ply and Block boards, BWR, Marine Ply, BWR/MR Ply.	Archidply	Archidply Industries Ltd
		Kitply	Kitply Industries Ltd.
		Duroply	Duro ply Industries Ltd.
		Century ply	Century Flush Doors
		Wudnply	M/s Prime Veneers Ltd
3	Laminates	Green Lam	Green lam Industries Ltd.
		Centuary	Centuary laminates
		Merino	Merino laminates
		Merino	Merino laminates
		Royal touche	Royal touche laminates
		Kitmica	Kitply Industries Ltd.
		Formica	Formica Laminates (India) Pvt Ltd
		Heritage	Deco Mica Limited, Ahmedabad
		Decolam	Decolam India Pvt Ltd
		Archidply	Archidply Industries Ltd
		Sonear	Sonear Laminates
		Sumnica	Sumnica Industries
		Vidya Ply	Vidya Ply & Board Pvt. Ltd.
4	Prelaminated particle board MDF (Exterior Grade)	Novapan	GVK Novapan Industries Pvt Ltd.
		Merino	Merino laminates
		Kitlam	Kit Ply Industries Ltd.
		Ecoboard	Ecoboard Industries Ltd.
		Associate	Associate Decor Limited
		Archid ply	Archid ply industries Ltd.
		TESA	Balaji Action Buildwell
		Centuary	Centuary MDF
		Green lam	Green lam industries Ltd.
		Heritage	Deco Mica Limited, Ahmedabad
		Greenpanel	Greenpanel Industries Ltd.
5	Veneering	Greenpanel	Greenpanel Industries Ltd.
		Centuary	Centuary MDF
6	FRP Door Frames & Shutter	Jain Doors	Jain Doors Pvt Ltd
		Signum	Signum Fire Protection India Pvt Ltd
		Meena Fibre Glass	Meena Fibre Glass
		Duropolst	Duropolst extrusion Pvt Ltd
		Cactus	Cactus
		Polyline	Polyline
7	Factory made panel door shutter, Factory made wire mesh door shutters, LVL door shutter	Jain Doors	Jain Doors Pvt Ltd
8	High Density (HDF) Prelaminated board	Pergo	Red Floor India
		Armstrong	Armstrong World Industries
		Green ply	Green ply Industries Ltd.
9	Gypsum board	Gyproc Saint Gobain	Saint Gobain Gyproc India Ltd
		Lafarge	Lafarge Gypsum India Pvt Ltd
		USG Boral Board	USG Boral Board India (P) Ltd
		Armstrong	Armstrong World Industries
10	Glass Door Hardware	Dorma	Dorma India Pvt Ltd
		Kich	Kich Architectural Products Ltd
		Classic	Classic hardware
		Hafele	Hafele India Pvt Ltd
		Ozone	Ozone Hardware
		Geze	Geze GMBH
		Define	Define Overseas Pvt Ltd

		Squash	Squash glass doors
		Dorset	Dorset Industries Pvt Ltd
		Garg	D P Garg Pvt Ltd
11	Hydraulic door closers/ Floor springs	Godrej	Godrej locking solutions & systems
		Hardwyn	Hardwyn hardware
		Dorma	Dorma India Pvt Ltd
		Everite	Everite agencies
		MAGNUM KIT	Mukund Overseas
		Dorset	Dorset Industries Pvt Ltd
		Geze	Geze GMBH
		Garg	D P Garg Pvt Ltd
		Ingersollrand	Ingersollrand India Pvt Ltd
		OZONE	Ozone Hardware
12	Locks & Latches	Dorset	Dorset Industries Pvt Ltd
		Godrej	Godrej locking solutions & systems
		Harrison	Harrison locks
		Plaza	Bharti lock House
		Yale	ASSA ABLOY India (P) Ltd.
		Hitech	Globe Locks India
		Hafele	Hafele India Pvt Ltd.
		Link	Link Locks
		Geze	Geze GMBH
		Garg	D.P. Garg Pvt Ltd.
		Hardouite	Hardouite
		FOSROC	Fosroc India
		SIKA	SIKA India
		BASF	BASF India Ltd.
		CICO	CICO Technologies Ltd.
		Pidilite	Pidilite Industries Ltd.
13	Stainless steel screws	Kundan	Kundan Industries Ltd.
		Pooja	Pooja Steel Corporation
		Atul	Atul Fasteners Ltd.
		Alloy	Alloy ltd
		GKW	GKW Limited
		Nettlefold	Nettlefold screws
14	Butt Hinges openable window shutters	Hafela	Hafele India Pvt Ltd
		Alu Alpha	Alu Alpha India
		EariBihari	Earibihari India Pvt Ltd.
		Dorma	Dormakaba India Pvt Ltd.
		Garg	D.P. Garg Pvt Ltd
		Dorset	Dorset Industries Pvt Ltd
15	Mild Steel Butt Hinges / Piano hinges	Jolly	Jolly Engineering works
		Garg	D P Garg & Company
		Jyoti	Jyoti Architectural Pvt Ltd
		Supreme	Supreme
		Saswat	Saswat
		Deepak	Deepak
		Swift	Swift screws
16	Stainless steel Butt hinges	Prayag	Prayag Polymers (P) Ltd.
		Ozone	Ozone Hardware
		Dorma	Dormakaba India Pvt Ltd
		Geze	GEZE GMBH
17	Concealed tower bolt	Dorma	Dorma India Pvt Ltd
		Ingersollrand	Ingersollrand India Ltd
		Alu Alpha	Alu Alpha India

		Garg	D.P. Garg Pvt Ltd.
		DORSET	Dorset Industries Pvt Ltd
18	UPVC doors, frames and window profiles	Fenesta	Fenesta DCM Shriram
		QUTE	Qutextesrusion Pvt Ltd
		LG	LG Housing India
		Kommerling	Profine India Window Technology Pvt Ltd
		Duropolst	Duropolst extrusion Pvt Ltd
		Polyline	Polyline extrusion Pvt Ltd
		Apama Venstar	Apama Enterprises Ltd.
		AMD	AMD overseas Impex (India) Pvt Ltd.
		SimtaAstrix	Simta clear coats pvt. ltd
		Rajshri	Rajshri Productions Pvt Ltd.
		NCL VEKA	NCL VEKA Ltd.
		Prominance	Prominance Window Systems
		Marcolini	Mathura Polypack (P) Ltd.
		Akshara Polymers	Akshara Polymers
		Encraf t	Encraf t India Pvt. Ltd.
		Rehau	Rehau Unlimited Polymer Solutions
		Aluplast	Alu Alpha India
		Shirke	B.G Shirke Construction Technology Pvt Ltd.
19	Stainless friction hinges	Hetich	Hetich India Pvt Ltd.
		Haffle	Haffle India Pvt Ltd.
		Securitystyle	Securitystyle India Pvt Ltd.
		Earl Bihari	Earl Bihari India Pvt Ltd.
		ROTO	ROTO Frank Asia
		EBCO	EBCO
20	Float Glass	Saint Gobain	Saint Gobain India Pvt Ltd.
		Asahi	Asahi India Glass Ltd.
		Pil k inton	Pil k inton India Pvt Ltd.
		Modiguard	Gujarat Guardian Ltd.
21	Anchor/ SS Stone Dash fasteners	Hilti	Hilti India Pvt Ltd
		Fischer	Fischer India
		Anchor	Anchor Ltd
		Kundan	Kundan Industries Ltd.
		Nutech	Nutech Construction Chemicals
		Canon	Canon
		Wurth	Wurth India Pvt Ltd
		Trixel	Axel India Pvt Ltd
		Helfen	Helfen Anchoring System
BOSCH	BOSCH Ltd		
22	Partitions	Birla Aerocon	HIL Ltd (CK Birla Groups)
SUB HEAD No. 10			
STEEL WORK			
1	Structural Steel	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL
		VIZAG	RINL/ Rashtriya Ispat India Ltd.
		JSW	Jindal Steel Works Ltd.
		Apollo	APL Apollo
2	M.S. Pipes / Tubes and Hollow sections	SAIL	Steel Authority of India Ltd.
		TISCO	TATA STEEL
		METPRO	MKK Metal Section Pvt Ltd.
		R.K Steel	R.K Steel Manufacturing Company Pvt Ltd.
		Apollo	APL Apollo

		Kalinga	Kalinga Tubes
		JINDAL	JSW
		Nezone	Nezone Tubes Limited
3	Stainless steel pipes / sections	Salem	SAIL
		Jindal	JSW
		SAIL	SAIL
		KINGSTON	KINGSTON Brass
		Connect	Connect Ltd.
		Ark	Ark Product Pvt Ltd
4	Stainless steel Bolts, washers, nuts	Kundan	Kundan Industries Ltd
		Pooja	Pooja Steel Corporation
		Atul	Atul Fasteners Ltd.
		Hilti	Hilti India Pvt Ltd
5	Stainless steel pressure plate screws	Kundan	Kundan Industries Ltd.
		Pooja	Pooja Steel Corporation
		Atul	Atul Fasteners Ltd.
6	Welding rods	Advani	Advani Oerlikon Ltd.
		ESAB	ESAB India Pvt Ltd
7	Steel Windows/Pressed Steel Frames	Madhu Industries	Madhu Industries, San Harvic, NCL
		San Harvic	San Harvic
		NCL	NCL Industries
8	MS Precision Tubes (cold seamless pipes)	R K Steel	R K Steel Manufacturing Company Pvt Ltd
SUB HEAD No. 11			
FLOORING			
1	Vitrified tiles & Bathroom anti-skid tiles	Asian (AGL)	Asian Granite India Ltd
		NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd
		Kajaria	Kajaria Ceramic Ltd
		Restile	Restile Ceramic Ltd
		Somany	Somany Ceramic Ltd
		Johnson	Prism Johnson Ltd
		Orient Bell	Orient Bell Ltd
		Varmora Granito	Varmora Granito Pvt Ltd
		Oasis	Oasis Vitrified Pvt Ltd
		Naveen	Murudeshwar Ceramics Ltd.
		Amuj	Aravid Ceramic Industries Ltd
		Astra	Astra Tile and Pavers Company
		Viero	Aparna Tiles
		Aparna Viero	Aparna Enterprises Ltd
2	Glazed Wall Ceramic Tiles	Asian (AGL)	Asian Granite India Ltd
		NITCO	NITCO Ltd
		RAK	RAK Ceramic India Pvt Ltd
		Kajaria	Kajaria Ceramic Ltd
		Somany	Somany Ceramic Ltd
		Johnson	Prism Johnson Ltd
		Orient Bell	Orient Bell Ltd
		Varmora Granito	Varmora Granito Pvt Ltd
		Anuj	Aravid Ceramic Industries Ltd
3	Cement concrete parking tiles	NITCO	NITCO Ltd
		Eurocon	Eurocon Tiles India
		Dazzle	Dazzle Designer Tiles Pvt. Ltd.
		Ultra	Ultra Tile Private Ltd.
		Anuj	Aravid Ceramic Industries Ltd
		Hindustan tiles	Hindustan tiles, Ranchi Pune

		Poddar	Poddar Udyog
		Astra	Astra tile and pavers company
		NTC	NTC parking tiles
4	False flooring	Hewetson	Hewetson India
		Unifloor	Unifloor India Ltd
		Unitile	Unitile Office system Pvt Ltd
		Kebao	Inner Space (Distributors)
		Access floor system	Access Floor System
		PINNACLE	PINNACLE
5	White Cement	ACC	ACC Cements Ltd
		Birla	Birla Corporation Ltd.
		JK White	JK Cement Ltd.
		Hollitex	Hollitex Carpet tiles
		Standard Carpets	Standard Carpets
		Gerflor	Gerflor flooring
		Armstrong	Armstrong World Industries
SUB HEAD No. 12			
ROOFING			
1	UPVC Pipes and fittings (Rain water pipes)	Supreme	Supreme Industries Ltd.
		Prince	Prince pipes and fittings Ltd.
		Finolex	Finolex Industries Ltd.
		Prepoly	Premier PVC Industry.
		Astral	Astral Polytechnik Ltd.
		Ajay	Ajay Industrial Corporation
		Sharon	Sharon Extrusions.
		Vectus	Vectus
		Prayag	Prayag Polimers (P) Ltd
		Flow Guard	Flow Guard
		Truflow	HSL Ltd of Hindware
Ashirwad	Ashirwad PVC Pipes		
2	Polycarbonate roof sheets	Danapallon	Danapall Light Architecture
		Alcox	Hindagreen Alcox Ltd
		Polygala	Polygal India Pvt Ltd
		MG Polyplast	MG Polyplas
		GE Lexon	GE Silicones
3	False Ceilings	Aerolite	Andhra Polimers Pvt Ltd
		Antuone	Antuone Acoustics Ltd
		Armstrong	Armstrong World Industries
		Ramco	Ramco Industries Ltd
		Knauf	Knauf Gypsum India Pvt Ltd
		Himalayan Acoustics	Himalayan Acoustics
		Saint Gobain Gyproc	Saint Gobain Gyproc India
		Gridsquare	Gridsquare Ceilings
		USG Boral	USG Boral
Hunter Douglas	Hunter Douglas		
4	False ceiling members (Perimeter, ceiling section, intermediates)	Armstrong	Armstrong World Industries
		Gyprfame steel	British Gypsum
		Knauf	Knauf Gypsum India Pvt Ltd
		Saint Gobain	Saint Gobain Gyproc
		Aerolite	Andhra Polimers Pvt Ltd
		Gridsquare	Gridsquare Ceilings
5	Galvolume sheet for roofing, cladding, sandwich panel	Lloyd Metel Craft	Lloyd Insulation (India) Ltd
		Tata Blue Scope	Tata Bluescope
		Bhushan	Bhushan Steel

		JSW	JSW
		ESSAR	Essar Group/AMNS
SUB HEAD No. 13 & 14			
FINISHING/ REPAIR OF BUILDING			
1	Synthetic enamel Paint	Premium gloss enamel	Asian paint Ltd
		Dulex	ICI dulex Ltd
		Nerolac	NerolacPaints Ltd
		Berger	Berger Paints
		Nippon	Nippon Paint India Ltd.
		Surfa Coats	Surfa coats Pvt Ltd
2	Pink primer	Wood primer	Asian Paint
		Dulex	ICI dulex
		Nerolac	Nerolac Kansai Nerolac Paints Ltd.
		Berger	Berger Paints
		Nippon	Nippon
3	Red Oxide Zinc Chromate primer	High performance yellow metal primer	Asian paint
		Dulex	ICI dulex
		Nerolac	Nerolac Paints Ltd
		Berger	Berger Paints
		Nippon	Nippon
4	Oil Bound Distemper	Tractor Aqolock	Asian paint
		Dulex	ICI dulex
		Nerolac	Nerolac Paints Ltd
		Berger	Berger Paints
		Nippon	Nippon
		mGPolyplast	Nerolac Paints Ltd
5	Premium acrylic emulsion paint	Royale Luxury Emulsion of Asian Paint	Asian paint
		Velvet Touch of Dulux	ICI dulex
		Nerolac Impression 24 Carat	Nerolac Paints Ltd
6	Water Proof Cement paint	Asian external wall primer	Asian paint
		Berger	Berger Paints
		Cem Colour	Snowcem Paints
		Surfa	Surfaccoats (India) Pvt Ltd
		ICI DULUX	ICI DULUX
7	Acrylic smooth exterior paint	ACE / Apex	Asian paint
		Dulex	ICI dulex
		Nerolac	Nerolac Paints Ltd
		Berger	Berger
		Nippon	Nippon
		Surfa Coats	Surfa coats Pvt Ltd
8	Premium Acrylic smooth exterior paint with silicon additives	Apex Ultima of Asian Paint	Asian paint
		Weather shield max of Dulux	ICI duler
		Excel top guard of kansaiNerolac	Nerolac Paints Ltd
		Weather coat long life 10	Berger
		Nippon Weather bond Advance	Nippon

9	Cement based wall putty	J.K.wall putty	J.K Cement Ltd.
		Birla wall case	Birla Cements Ltd.
		Asian paints	Asian paints Ltd
		Altek	NCL Alltek&seccold Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Berger	Berger
		Ardex Endura	Ardex Endura India Pvt Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
10	Melamine Polish	Asian paints	Asian paints
		Polycurve	Polycurvemalaysia
		Melamine Gold wud-fin	Pidilite industries
		Hilti	Hilti India
		Akzonobel	DulexAkzonobel Paints
		Asian Paints	Asian Paints
		STPL Ltd.	STPL Ltd.
		11	Anticorrosive bituminastic paint
Shalimar	Shalimar Paints India Ltd		
IS 158 bitumnous black	Asian Paints		
12	Cement Primer	Asian paints	Asian paints
		JK Primaxx	JK Cement Ltd.
		Berger	Berger paints India Ltd.
13	Epoxy Paint	Shalimar	Shalimar paints
		Asian Epoxy	Asian Paints
		STP Ltd.	Shalimar Tar Products
		Ardex Endura	Ardex Endura India Pvt. Ltd.
		Mapecoat L24	MAPEI Construction Products India P Ltd.
		Nerolac	Nerolac Paints Ltd
		Sun Epoxy Paint	Sunanda Speciality Coatings Pvt Ltd
14	Epoxy Coating	Fosroc	Fosroc India
		Latcrete	MYK Latcrete India
		BASF	BASF India Ltd
		Ardex Endura	Ardex Endura India Pvt Ltd
		Mapecoat DW25	MAPEI Construction Products India P Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Sun Epoxy Paint	Sunanda Speciality Coatings Pvt Ltd
SUB HEAD No. 17			
SANITARY INSTALLATIONS			
1	Mirrors	Modi Guard	Gujarat Guardian Ltd.
		Saint Gobain	Saint Gobain Glass India Ltd.
		AIS mirror	Asahi India glass Ltd.
		Atul	Atul glass Industries Ltd.
		CERA	CERA Sanitaryware Ltd.
2	Vitreous Commodes/ Wash-basin	Hindware	HSL Ltd.
		Roca	ROCA Bath room products
		Parryware	ROCA Bath Pvt Ltd.
		Kohler	Kohler world wide
		Somany	Somany Ceramic Ltd
		Golf Ceramics (Prayag)	Golf Ceramics Ltd
		NEYCER	NEYCE India Ltd.
		CERA	CERA Sanitaryware
		Rak Ceramics	Rak Ceramics India Pvt Ltd
		Jaquar	Jaquar Group
		Bathsense/ TECE	Asian paints Ltd

3	Flushing Cistern with EWC/WC	Paryware	ROCA Bath Pvt. Ltd.
		Shakti	Shakti Enterprises
		Hindware	HSL Ltd.
		Rak Ceramics	Rak Ceramics India Pvt Ltd
		CERA	CERA Sanitaryware Ltd.
		Kohler	Kohler worldwide
		Jaquar	Jaquar Group
		Bathsense/ TECE	Asian paints Ltd
4	Urinals	Paryware	ROCA Bath Pvt. Ltd.
		Shakti	Shakti Enterprises
		Hindware	HSL Ltd.
		CERA	CERA Sanitaryware Ltd.
		Rak Ceramics	Rak Ceramics India Pvt Ltd
5	SWR / UPVC Pipes & fittings	Supreme	SupremeIndustries Ltd.
		Astral	Astral polytechnik Ltd
		Finolex	Finolex Industries Ltd.
		Ajay	Ajay Industries Ltd.
		Vectus	Vectus Industries Ltd.
		Prince	Prince Pipes and fittings
		Prayag	Prayag polymers Pvt Ltd.
		Sentini	Sentini Floppies India Private Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Astral	Astral Poly Technik Limited.
		Flowgard	Ashirwad PVC Pipes
		Truflow	HSL Ltd of Hindware
		6	Stainless Steel Kitchen sink
Diamond	Pheonix Appliances Pvt Ltd.		
Jindal	Cenaturylotech		
Kingston	Kingston brass India		
Nirali	Jyoti (India) Matel Industries Pvt. Ltd.		
Hindware	HSIL Ltd.		
Silver Shine	Blue stone sanitary Industries Pvt. Ltd.		
Prayag	Prayag Polimers (P) Ltd.		
Navkar	Shri Navkar Metals Ltd.		
Futura	Futura Kitchen Sinks India Pvt. Ltd.		
CERA	CERA Sanitaryware Ltd.		
Nilkanth	Nilkant		
Joyna	Joyna		
Franke	Franke India Ltd.		
7	Sensor Based Auto flush Systems	AOS Systems	AOS Systems
		TOTO	TOTO Ltd
		Parryware	Parryware
		Grohe	Grohe
		Jaquar	Jaquar Group
		Kochier	Kochier
8	Centrifugally Cast (Spun) Iron Soil waste, Pipes and fittings.	Neco	Jaysawal Neco Ltd
		RPMF	Raj Pattern Makers and Founders Pvt. Ltd.
		SKF brand	SKF Industries
		HEPCO	Hepco
		Bengal Iron Corporation	Bengal Iron Corporation
9	Modular Kitchen/ Ward- robes/ Hardware and acces-	Sleek	Asian Paints
		Godrej	Godrej &Boycee Co

	sories	Spacewood	Spacewood
		Evoke	Evoke
SUB HEAD No. 18			
WATER SUPPLY			
1	G I Pipes	TATA	TATA Steel Ltd.
		Zenith	Zenith Birla (India) Ltd.
		Jindal	Jindal Pipes Ltd.
		R.K. Steel	R.K. Steel Manufacturing Company Pvt. Ltd.
		HISSAR	HISSAR
		Apollo	APL Apollo
2	GI Pipe fittings	Zoloto	Zoloto Industries
		Unik	Unikmalleables
		HB	HB Industries
		ICS	Spreesamath Engineers
		R.K. Steel	R.K. Steel Manufacturing Company Pvt. Ltd.
3	Water supply Valves	Zoloto	Zoloto Industries
		Leader	Leader Valves Ltd.
		ARCO	Arco Valves Pvt. Ltd.
		Nanda	Nanda Miller Company
4	CPVC pipes and fittings	Supreme	Supreme Industries Ltd.
		Finolex	Finolex Industries Ltd.
		Astral	Astral Polytechnik Ltd.
		Prince	Prince Pipes and Fittings Ltd.
		Ajay	Ajay Industrial Corporation
		Prayag	Prayag Polymers Pvt. Ltd.
		Vectus	Vectus Industries Ltd.
		Truflo	HIL Ltd.
		Anil	Anil Thermoplastics Pvt. Ltd.
		Birla Hil	HIL Ltd (CK Birla Group)
		Sentini	Sentini Floppies India Pvt. Ltd.
		Astral	Astral Polytechnik Limited.
		Ashirwad	Ashirwad PVC Pipes
		Flowgard	Floguard
5	PVC / HDPE water storage tanks	Sintex	Sintex Plastic Technology Ltd.
		Vectus	Vectus Industries Ltd.
		Supreme	Supreme Industries Ltd.
6	Water supply fixtures like bibcock, shower panels; CP Brass fixtures like bibcock, angle cock, pillar cock, mixers, showers etc.	Jaquar	Jaquar Group
		Parryware	ROCA Bathroom Products Pvt. Ltd.
		Metro	Metro Sanitations Pvt. Ltd.
		Waterman	Kewal Brothers
		Seiko	Seiko Sanitations
		Prayag	Prayag Polymers Pvt. Ltd.
		Kingston	Kingston Brass India
		Johnson	Prism Johnson Ltd
		CERA	CERA Sanitaryware Ltd.
		MARC	MARK Showers
		HINDWare	HSIL Ltd.
7	Air release valve	Kirloskar	Kirloskar Brothers Ltd.
		RBM	AFS Ltd.
		Kartar	Kartar Valves Pvt. Ltd.
8	Centrifugally (Spun) Cast Iron Pipes	Jindal	Jindal Saw Ltd.
		Kesoram	Kesoram Industries Ltd.
		Electrosteel	Electrosteel Castings Ltd.

9	Spun Cast Iron Fittings	Kartar	Kartar Valves Pvt. Ltd.
		Neco	Jayasal Neco Ltd.
		Electrosteel	Electrosteel Castings Ltd.
		Kapilansh Centrifugal	Kapilansh Dhatu Udyog Pvt. Ltd.
		SKF brand	Singhal Iron Foundry Pvt. Ltd.
10	CI double flange sluice valve	RBM	AFS Ltd.
		Kirloskar	Kirloskar Brothers Ltd.
		Kartar	Kartar Valves Pvt. Ltd.
		IVS	Indian Valves Pvt. Ltd.
		Zoloto	Zoloto Industries
		Leader	Leader Valves Ltd.
		BURN	Burn Standard Company
11	CI double flanged non return valve	Kirloskar	Kirloskar Brothers Ltd.
		Fluditech	Fluditech
		Zoloto	Zoloto Industries
12	Gun metal Valves	Zoloto	Zoloto Industries
		Leader	Leader Valves Lts.
		Sant	Sant Valves Pvt. Ltd.
		Audco	L&T Valves
13	PTMT/PVC water supply fittings like bib cocks, pillar cock, angle valve, stop valve etc.	PEARL	Precision Products
		Prayag	Prayag Polymers (P) Ltd.
		Supreme	Supreme Industries Ltd.
14	Float Valve (Ball Valve)	Prayag	Prayag Polymers (P) Ltd
		Leader	Leader Valves Ltd.
		Zoloto	Zoloto Industries
		IBP	IBP Industries
		Arco	Arco Valves Pvt. Ltd.
15	HDPE Pipes	DEC	DEC Infrastructure & Project (India) Pvt Ltd
SUB HEAD No. 19			
DRAINAGE			
1	RCC Pipes	Indian Hume Pipe	Indian Hume Pipe Ltd.
		Jain & Co	Jain Spun Pipes Co.
		Lakshmi Sood & Sood	Lakshmi Sood & Sood Pipe Co.
2	CI Manhole cover	Neco	Jaysawal Neco Ltd.
		BIC	Bengal Iron Corporation
		DEC	DEC Infrastructure & Project (India) Pvt Ltd.
		HEPCO	Binay Udyog Pvt Ltd.
3	SFRC Cover and grating	KK	KK Manhole and Gratings Co Pvt Ltd.
		Advent	Advent Concrete Vision
		Nu-TEC	Nu-Tec Concrete Products (P) Ltd.
		Kutty	Kutty Industries
		DEC	DEC I & P India Pvt Ltd.
4	Plastic Encapsulated Foot Rest	KK India	KK Manhole and Gratings Co Pvt Ltd.
		KGM	KGM Exports
		Accurate Buildcon	Accurate Buildcon Company
5	Spun Cast Iron Covers & Gratings	Neco	JaysawalNeco Ltd.
		Jagannath	Sri Jagannath Iron Foundry Pvt Ltd.
		Kapilansh Centrifugal	Kapilansh Dhatu Udyog (P) Ltd.
		SKF brand	Singhal Iron Foundry Pvt Ltd.
SUB HEAD No. 21			
ALUMINIUM WORK			
1	Aluminium doors/windows	Hindalco	Hindalco Industries Ltd.

	sections	Jindal	Jindal Aluminium Ltd.
		Bhoruka	Bhoruka Aluminium Ltd.
		Indal	Indian Aluminium Ltd.
		Padmavathi Extrusion	Padmavathi Extrusion Pvt Ltd.
		Hydro	Hydro Extrusion
		Omalco Extrusion	Omalco Extrusion Pvt Ltd.
		Bhoruka	Bhoruka Aluminium Ltd.
2	Aluminium systems / Anodised aluminium fittings for doors/windows	Define	Define Overseas Pvt Ltd.
		Schueco	Schueco India Pvt Ltd.
		Bhoruka	Bhoruka Aluminium Ltd.
		Kawneer	Kawneer India
		Hardima	Hardima Sales Corporation
		Everite	Everite Agencies
		Sigma	Sigma Corporation
		Jyothi	Jyothi Industries
3	Friction stay hinges	Earl Bihari	Earl Bihari Pvt Ltd.
		KINLONG	Kinlong Industries
4	EPDM Gaskets	Anand	Anand NVH Products (P) Ltd.
		Roop	Roop Polymers Ltd.
		Bolra	Bolra Rubber Pvt Ltd.
		Hanu	Hanu Industries
		Ame Rubber	Ame Rubber Industries Pvt Ltd.
5	Silicon Gaskets	Sree Gaurav	Sree Gaurav Rubber Products
6	Masking Tapes	3M	3M
		Sun	Sun
		Wonder polymer	Wonder Tape Industries
		Roop	Roop Polymers Ltd.
7	Rockwool / Glasswool insulation	Twigafiber	Twigafiber Glass Ltd.
		Llyod Insulation	Llyod Insulation Ltd.
		Supreme	Supreme Industries Ltd.
8	Aluminium Formwork	MFE (MIVAN)	MIVAN
		S-Form	S-Form
		MFS	MFS
SUB HEAD No. 22			
WATER PROOFING WORK			
1	Water proofing compound	Fosroc	Fosroc India
		Sika	Sika India
		Dr.Fixit	Pidilite Industries
		CICO	CICO Technologies Ltd.
		Impermco	Snowcem Paints
		Accoproof	ACC Cements Ltd.
		Ardex Endura	Ardex Endura (India) Ltd.
		Alchemica	Alchemica Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		MYK Schomburg	MYK Arments range of products
		Penetron	Penetron India Pvt Ltd.
		Smart Care	Asian Paints
		Cementmix Plus/Advanced Later Plus	Berger Paints
		Shaliplast LW+	STP Ltd.
		Mapecure AS/Mapecure E30/Mapecure ASE	MAPEI Constructions Product India Pvt Ltd.
		KCPL	Kunal Conchem Pvt Ltd.

		STP Ltd	STP Ltd.
		Tessa	Tessa India Ltd.
		WR Grace	WR Grace Co India Pvt Ltd.
		Dr.Fixit	Pidilite Industries
		Alchemica	Alchemica Ltd.
		Hydro tech	Hydro Tech Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		MYK Schomburg	MYK Arments range of products
		Asian Paints	Smart Care Water Proofing Products
		Ardex Endura	Ardex Endura Ltd.
		Mapeplan TU S20 / Planiseal 88 / Planiseal 288	MAPEI Constructions Product India Pvt Ltd.
		Elastorof PU/Sunroof PU/Sunlote	SumandaSpeciality Coatings Pvt Ltd.
		KCPL	Kunal Conchem Pvt Ltd.
2	Chemical water proofing system	BASF	BASF India Ltd.
		MC-Bauchemie	MS-Bauchemie India Ltd.
		Sika	Sika India
		Sumandaspeciality coating	SumandaSpeciality Coatings Pvt Ltd.
		Perma Construction Aid	Perma Construction Aid Pvt Ltd
		Fosroc	Fosroc India
		Dr.Fixit	Pidilite Industries
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Smart Care	Asian Paints
		Latestshield 2K/Tankshield PW	Berger Paints
		KCPL	Kunal Conchem Pvt. Ltd.
3	Water stops	Hydrotite	Sika India
		BASF	BASF India Ltd.
		Dr.Fixit	Pidilite Industries
		Hydroswell	Sika India
		Ardex Endura	Ardex Endura Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt. Ltd.
		Smart Care	Asian Paints
SUB HEAD No. 25			
ALUMINIUM COMPOSITE PANELS			
1	Aluminium composite panels	Alucobond	3A Composites India Pvt Ltd.
		Eurobond	M/S Euro Panel Products Pvt Ltd.
		Aludecor	M/S Aludecor Lamination Pvt Ltd.
		Reynobond	Reynobond
		Alpolic	Alpolic
		Alstrong	Alstrong
		Hynadecor	Hynadecor AC Panels, Delhi
		Alstone	Alstone, New Delhi
		Eurobond	Eurobond Pvt Ltd Delhi
		Sevax	Saint Gobain Glass India Ltd.
		Kich	Kich India
		Ozone	Ozone Ltd
		Hafele	Hafele Ltd
MISCELLANEOUS ITEMS			
1	PVC Perforated Pipes	Rex Poly extrusion	Rex Poly extrusion Ltd.
		Akash Enterprises	Akash Enterprises

		Zeoplas Pipes	Zeoplas Pipes Pvt Ltd.
		Supreme	Supreme Industries
2	Structural Sealant	Dow Corning	Dow Corning India
		Wacker	Wacker Silicones
		GE	GE Silicones
		Fosroc	Fosroc India
		BASF	BASF India Ltd.
		STP Ltd.	Shalimar Tar Products
		Asian Paints	Smart Care Sealant
3	Poly-sulphide sealant	Dr.Fixit	Pidilite Industries Ltd.
		Cheme tall-Raj	BASF India Ltd.
		Fosroc	Fosroc India
		Techseal	Choksey Chemical Pvt Ltd.
		Tuff Seal	Bondit Construction Chemical
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		MYK Schomburg	MYK Arments Range
		Pidilite	Pidilite Industries
		STP Ltd.	Shalimar Tar Products
		Smart Care	Asian Paints
4	Bitumen Impregnated Board	Shalitex	STP Limited
5	Polyethylene backer rod	Supreme	Supreme Industries Ltd.
6	Epoxy	CICO Poxy	CICO Technologies Ltd.
		Fosroc	Fosroc India
		Shalibons	STP Limited
		Ardex	Ardex Endura (India) Pvt. Ltd.
		Ferrous Crete	Ferrous Crete (India) Pvt Ltd.
		Asian Paints	Asian Paints
7	Weather / Structural Silicon Sealant	Dow Corning	Dow Corning India
		Momentive (GE)	GE Silicones

SCHEDULE FOR NIT					
N/W	ARM OF RESIDENTIAL AND NON RESIDENTIAL BUILDINGS (PERCENTAGE RATE CONTRACT) FOR THE YEAR 2026-27 AT 27 SCG NSG CHENNAI.				
SI No	Description	Qty	Unit	Rate	Amount
1	Providing and fixing C.P. brass (Jaguar or equivalent Make ALD-577) HAND SHOWER (HEALTH FAUCET) with 08 mm dia 1.00 meter long flexible tube and wall hook of approved quality and colour.	9	Each	1696.85	15271.65
2	Providing and fixing C.P. brass (Jaquar or equivalent make (FUS-29041) two way bib cock of approved quality conforming to IS:8931. 15 mm nominal bore	6	Each	2688.50	16131.00
3	Providing and fixing Table Top wash basin with 32 mm C.P. brass waste of standard pattern, including painting of fitting, cutting and making good the walls wherever require: White (Jaquar or equivalent make KUS-WHT-35935) wash basin size 565x425x140 mm.	6	Each	9810.60	58863.60
4	Providing and fixing flush plates (Jaquar JCP-CHR-852415 or equivalent make) of approved design and pattern as per the direction of engineer in charge.	6	Each	1598.38	9590.28
5	Providing and fixing white (Jaquar or equivalent make LYS-WHT-38851P180ZUFMS) floor type water closed (European type W.C. pan) with seat and lid, anti bacterial coat and dual flushing cistern 3/6 liter capacity conforming to IS: 7231, with all fitting and fixtures complete including cutting and making good the walls and floors wherever required.	9	Each	27958.22	251623.98
6	Providing and fixing C.P. brass (Jaquar or equivalent Make KUP-CHR-35115 PM S/L) wall mixer of approved quality and colour. 15 mm nominal bore.	6	Each	9616.80	57700.80
7	Providing and fixing C.P. brass (Jaquar or equivalent Make OHS-CHR-1605 mm) Shower of approved quality and colour. 150x150 mm size, 15 mm nominal bore.	9	Each	3659.05	32931.45
8	Providing and fixing C.P. brass (Jaquar or equivalent Make SHA-CHR-450L400 PM S/L) Shower Arm of approved quality and colour. 15 mm nominal bore	9	Each	2302.46	20722.14
9	Providing and fixing C.P. brass (Jaquar or equivalent Make AKP-CHR-32721 P) Towel Ring of approved quality and colour. 15 mm nominal bore.	9	Each	1950.00	17550.00
10	Providing and fixing Glass corner shelf (Jaquar or equivalent Make CAN-CHR-1173) of approved quality and colour. 15 mm nominal bore.	9	Each	1454.61	13091.49
11	Providing and fixing GLASS SHELF 600mm (Jaquar or equivalent Make AKP-CHR-35771 P) of approved quality and colour. 15 mm nominal bore.	9	Each	1817.96	16361.64
12	Providing and fixing CP BRASS SINGLE TOWEL RAIL (Jaquar or equivalent Make AKP-CHR-35711PS) 600 mm long Stainless Steel of approved quality and colour.	9	Each	2931.44	26382.96
13	Providing and fixing CP BRASS SINGLE LEVER WALL MIXER CHROME (Jaquar or equivalent Make KUP-CHR-35115PM) of approved quality and colour. 15 mm nominal bore.	6	Each	10600.00	63600.00

14	Providing and fixing ANGULAR STOP COCK (Jaquar or equivalent Make KUP-CHR-35053PM) of approved quality and colour. 15 mm nominal bore.	27	Each	1624.16	43852.32
15	Providing and fixing CP BRASS BIB COCK (Jaquar or equivalent Make KUP-CHR-35037PM) of approved quality and colour. 15 mm nominal bore.	12	Each	2157.11	25885.32
16	Providing and fixing CP BRASS PILLAR COCK (Jaquar or equivalent Make KUP-CHR-35021 PM) for table top wash basin of approved quality and colour. 15 mm nominal bore.	9	Each	3659.05	32931.45
17	Providing and fixing CP BRASS TOWEL RING SQUARE (Jaquar or equivalent Make AKP-CHR-35721P) of approved quality and colour. 15 mm nominal bore.	6	Each	2600.00	15600.00
18	Providing and fixing CP BRASS SOAP DISH HOLDER (Jaquar or equivalent Make AKP-CHR-35731P) of approved quality and colour.	6	Each	1042.77	6256.62
19	Providing and fixing CP BRASS TOILET PAPER HOLDER (Jaquar or equivalent Make AKP-CHR-3575P) of approved quality and colour.	9	Each	1642.80	14785.20
20	Providing and fixing CP BRASS BOTTLE TRAP (Jaquar or equivalent Make ALD-CHR-769L300X190) of approved quality and colour.	12	Each	2980.75	35769.00
21	Providing and fixing CP BRASS WATE COUPLING (Jaquar or equivalent Make ALD-CHR-709L130) of approved quality and colour.	15	Each	669.37	10040.55
22	Providing and fixing CP BRASS LONG BODY BIB COCK WITH WALL FLANGE (Jaquar or equivalent Make COP-CHR-107PM) of approved quality and colour.	3	Each	1759.46	5278.38
23	Providing and fixing Self Cleaning Design SS GRATING OF 304 Grade of approved quality and colour. 150x150.	21	Each	465.17	9768.57
24	AMC of sensor based urinal with quarterly servicing of sensor ,display changing of battery box if required along-with portable parts etc as per direction of Engineering-in-charge .	150	each	385.66	57849.00
25	Repair of sensor and display , changing of required parts for making functional automatic sensor based Urinal and complete repair & functional work as per direction of Engineer-in-charge .	20	each	6312.77	126255.40
26	Repairing of Alluminium window including of replacing all window wheel , gasket, felts, star lock , filling of sealnte etc . As per direction of Engineer-in-charge .	33	each	1121.73	37017.09
27	Providing and fixing auto hinges(Hydraulic type) with necessary screws etc. all are as per direction of Engg-In-Charge	76	each	119.65	9093.40
28	Providing and fixing C.P. brass mixture bib cock of approved quality conforming to IS:8931. 15 mm nominal bore	1	each	6621.25	6621.25
29	Providing and fixing auto hinges(Hydraulic type) with necessary screws etc. all are as per direction of Engg-In-Charge	72	each	119.65	8614.80
30	Providing and fixing corner wall tile beading,proper fixing and making wall tile smooth and good all as per direction of Engg-In-Charge.	35.1	mtr	121.34	4259.03

31	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	46.66	cum	283.66	13235.58
32	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	2.35	cum	7103.71	16693.72
33	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	5.73	cum	11827.11	67769.34
34	Centering and shuttering including strutting, propping etc. and removal of form for: Foundations, footings, bases of columns, etc. for mass concrete	38.4	sqm	427.35	16410.24
35	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	448.66	kg	117.53	52731.01
36	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red: Area of slab upto 0.50 sqm	3.09	sqm	5899.42	18229.21
37	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	7	each	1066.55	7465.85
38	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	177.89	sqm	1381.76	245801.29

39	Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	5.74	sqm	192.23	1103.40
40	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	33.96	sqm	3072.31	104335.65
41	Providing M.S. Piano hinges ISI marked IS : 3818 finished with nickel chromium plating grade 1 as per IS: 1068 and fixing with necessary screws etc., complete. Overall width 35 mm	18	metre	366.65	6599.70
42	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	6	each	283.99	1703.94
43	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 250x10 mm	9	each	125.49	1129.41
44	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 150x10 mm	9	each	89.96	809.64
45	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	12	each	72.20	866.40
46	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 100 mm	12	each	64.90	778.80
47	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including I Ind class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	33.9	sqm	2514.46	85240.19
48	Providing and fixing cupboard shutter with 19 mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2 mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer-in-charge. (Payment of providing and fixing auto closing hinges shall be paid separately)	1.4	sqm	3083.20	4316.48

49	Providing and fixing 19 mmthick bothside balancing lamination factory pressed BWP grade marine ply as per IS: 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in- charge.	39.18	sqm	2825.91	110719.15
50	Providing andfixing readymade 304 grade stainless steel Modular kitchen basket and accessories such as right angle basket (Plain Cup & Saucer, plant, Partition, Bottle rack, Thali, Cutlery) kitchen utensil basket, Dinner set basket, kitchen grain basket, Multipurpose basket as per site requirement including finishing (wherever required) and fittings. The same shall be fixed with necessary stainless steel nuts & bolts, Stainless Steel screws & telescopic channel etc. as per direction of Engineer-in- charge. (For payment purpose only weight of Stainless steel basket shall be considered excluding weight of all fixing accessories such as nuts, bolts, fasteners telescopic basket channels etc. Payment of providing and fixing telescopic channel shall be paid separately)	20	kg	581.11	11622.20
51	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	2073.38	kg	211.85	439245.55
52	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	7	sqm	1449.38	10145.66
53	Providing and laying vitrified floor tiles in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	68.44	sqm	1692.89	115861.39
54	Providing and laying Vitrified tiles in diferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	1.85	sqm	1768.73	3272.15
55	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Coupler, 110 mm	15	each	148.37	2225.55

56	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Single tee with door, 110x110x110 mm	5	each	255.17	1275.85
57	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Bend 87.5°, 110 mm bend	5	each	163.85	819.25
58	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion. Shoe (Plain), 110 mm Shoe	5	each	143.68	718.40
59	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	112	sqm	804.95	90154.40
60	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 gram per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500- 600mm)	16	metre	580.13	9282.08
61	12 mm cement plaster of mix: 1:4(1 cement: 4 fine sand)	10.4	sqm	378.20	3933.28
62	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	32	sqm	73.45	2350.40
63	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	32.08	sqm	246.56	7909.64
64	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	100	sqm	170.06	17006.00

65	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. One coat	4071.57	sqm	100.26	408215.61
66	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	500	sqm	21.52	10760.00
67	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work	1600	sqm	112.03	179248.00
68	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (One or more coat applied @0.90 ltr/10 sqm).	500	sqm	87.89	43945.00
69	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	8	each	146.14	1169.12
70	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	0.82	cum	2652.75	2175.26
71	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	7	each	400.16	2801.12
72	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	12	each	156.38	1876.56
73	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	208.1	sqm	79.99	16645.92
74	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge : 15 mm to 40 mm nominal bore	24	metre	163.25	3918.00
75	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap	2	each	1649.46	3298.92
76	White VitreousChina Surgeontype washbasin of size 660x460 mm with single 15 mm C.P. brass pillar taps with elbow operated levers ISI Marked	1	each	3204.44	3204.44
77	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Long pattern W.C. pan of size 580 mm	2	each	2135.71	4271.42
78	Providing andfixing P.V.C.low levelflushing cisternwith manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - White	2	each	1297.52	2595.04
79	Providing and fixing CP Brass 32 mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2	each	1127.68	2255.36

80	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm	2	each	1484.04	2968.08
81	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	2	each	400.05	800.10
82	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes conforming to IS:15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings and fixing the pipe with clamps at 1.00 m spacing. This includes the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. PN - 16 Pipe, 25 mm OD (SDR-7.4)	8	metre	561.44	4491.52
83	Providing and fixing PPR Unions: PPR Union 25mm	5	each	363.98	1819.90
84	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	37	metre	585.85	21676.45
85	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	4	each	552.29	2209.16
86	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931: 15 mm nominal bore	23	each	625.85	14394.55
87	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour. 15 mm nominal bore with 45 cm length	16	each	132.84	2125.44
88	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	5	each	492.57	2462.85

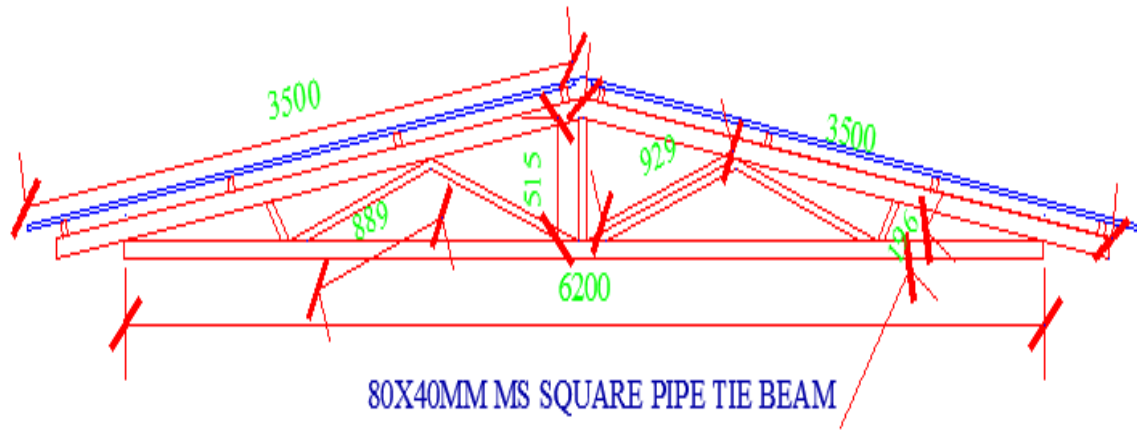
89	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion: Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	158.83	kg	588.31	93441.28
90	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron)	129.45	kg	701.21	90771.63
91	Providing and fixing 12 mm thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	17.4	sqm	1215.52	21150.05
92	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	22.08	sqm	1282.43	28316.05

93	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & double acting hydraulic floor spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).	3.15	sqm	5803.95	18282.44
94	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/ Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5 mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made. Frame size 45 x 70 mm	18.8	metre	769.21	14461.15
95	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately): 30 mm thick	7.56	sqm	4736.86	35810.66

96	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/ kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately): 18 mm thick	11.81	sqm	3261.54	38518.79
	Total				3601539.04
	Say				3601539.00

Sd/xxx xxx

Squadron Commander (Engg)
27 SCG NSG Chennai



TRUSS HORIZONTAL ROPE SHED

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