

TENDER

For

**Interior Works for Establishment of CGEWHO Office
including Fire Fighting Work, Electrical, EPABX, LAN,
IT & Access Control System,
HVAC, Fire Detection System, UPS System,
Graphics/ Signages**

AT

**9TH FLOOR, JANPATH BHAWAN,
JANPATH, NEW DELHI**

CENTRAL GOVERNMENT EMPLOYEES WELFARE HOUSING ORGANISATION

(An autonomous body under the aegis of M/o Housing & Urban Affairs, Govt. of India)
6th Floor, 'A' Wing, Janpath Bhawan, Janpath, New Delhi – 110 001.
Ph – 23717249/ 23739722/ 23355408 Fax No.23717250 E-mail: cgewho@nic.in
Website: www.cgewho.in

CENTRAL GOVERNEMENT EMPLOYEES WELFARE HOUSING ORGANISATION

**Name of Works: Interior Works for Establishment of CGEWHO Office including
Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC,
Fire Detection System, UPS System, Graphics/ Signages**

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INVITATION FOR TECHNO - COMMERCIAL OFFER

Selection of Interior Works Agencies through two bid system

Central Government Employees Welfare Housing Organisation (CGEWHO) intends to establish its Office **AT 9TH FLOOR, B-WING, OF JANPATH BHAWAN, JANPATH, NEW DELHI**

CGEWHO invites online offers in two bid system from reputed and experienced bidders (meeting Pre-qualification criteria) through CGEWHO's e-procurement portal (www.tenderwizard.com/CGEWHO) for **“Interior Works for Establishment of CGEWHO Office including Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC, Fire Detection System, UPS System, Graphics/ Signages”**.

Time for Completion of total works shall be two months.

Detailed scope of work, technical drawings, preambles and other bid solicitation documents is available on www.tenderwizard.com/CGEWHO and www.cgewho.in. Interested bidders must provide the above information strictly in the format provided by this office along with documentary evidence. A non-refundable amount of **Rs.5,000/-+18% towards GST** by way of demand draft in favour of CEO, CGEWHO towards the cost of tender documents along with EMD in form of bank guarantee amounting to **Rs.230000** (Rupees two lacs thirty thousand only) super scribed with name of work, should be forwarded to this office at the address mentioned above.

Tender documents along with **Financial Bid** should be submitted strictly through e-tendering website of CGEWHO, i.e. www.tenderwizard.com/CGEWHO. **Off line submission of Financial Bid will not be accepted and the tender will summarily be rejected.**

All original tender and drawings and **Technical Bid** details mentioned in the tender documents duly signed, shall be submitted along with cost of tender document and EMD in a sealed envelope super scribing **“TENDER FOR CGEWHO INTERIOR WORKS OF NINTH FLOOR WORKS** “should be received in the Office of CGEWHO situated at 6th Floor, A Wing, Janpath Bhawan ,Janpath , New Delhi 110001 on or before 08.04.2024- up to 3 PM and will be opened on the same day at 3-30 PM in the presence of authorized representative of tenderers.

Due date and Time of offer submission:

- a. Sale of Tender document online 08.04.2024 up to 2-00 PM**
- b. Pre-Bid conference at CGEWHO, HO will be held on 03.04.2024 at 11.00 AM.**

- c. Last date of submission of tender document and Financial Bid is 08.04.2024 **up to 3.00 PM.**
- d. Submission of hard copies of document along with EMD , cost of tender document etc at CGEWHO Head Office , Janpath , New Delhi -110001 08.04.2024 upto 2-30 PM
- e. Date of opening of Technical Bid is **-08.04.2024, 03.30 PM (eligibility criteria bid).**
- f. Date of opening of Financial Bid is **to be informed after evaluating the Technical Bid.**

General Conditions

Conditional tenders will be liable for rejection; the Tenderer shall have to submit a “**No-condition**” declaration in the format as given in a separate envelope along with EMD.

The bidder should not have been blacklisted/ debarred by any Government/ Semi Government Department/ PSU. Please provide an undertaking (self-certification on bidder’s letter head) that the bidder is not blacklisted by any Government/Semi government Department/ PSU.

The Bidders qualifying in Technical Evaluation will be declared successful in Technical bid and will be qualified for opening of their financial bid. Date of opening of Financial Bid shall be intimated to all bidders after Technical Bid evaluation is complete.

CGEWHO reserves the right to reject any or all tenders submitted by interested bidders, without assigning any reason thereof.

**For and on behalf of
CENTRAL GOVERNMENT EMPLOYEES
WELFARE HOUSING ORGANISATION**

(CHIEF EXECUTIVE OFFICER)

MINIMUM PRE-QUALIFICATION CRITERIA FOR EXPRESSION OF INTEREST (EOI)

Estimated Cost of Tender (ECPT) : Rs 115 Lacs

Contractors fulfill the following criteria shall be eligible to apply. Joint –Ventures are not accepted.

(a) **Experience of having completed works of similar nature:**

Should have successfully completed the works as mentioned below during the last **7 (seven) years** ending last day of the month previous to the one in which tenders are invited.

i) Three similar works each costing not less than that Rs.46 Lacs. (40% of the ECPT)

Or

ii) Two similar works each costing not less than that Rs.57.5 Lacs.(50% of ECPT)

Or

iii) One similar work costing not less than that Rs.92 Lacs (80% of ECPT)

Similar Work means - “Interior Works for Office accommodation which includes Aluminium and Wood partition works, Internal Electrical and HVAC works and Fire fighting and Fire Detection works”.

Note:

1. Only works executed in India shall be considered for similar work.
2. Qualified similar works shall be physically inspected by CGEWHO to ascertain the completion, performance on quality of works for finalizing the technical bids.
3. 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 (without compounding), calculated from the date of completion to previous day of last date of submission of tenders.

(b) **Average Financial Turnover**

The bidder should have had the average annual financial turnover of Rs.34.5 Lacs (30% of estimated project cost) on construction works during the immediate last *five years ending 31st March 2023 (scanned copy of certificate from Chartered Accountant with Unique Document Identification Number to be uploaded). The value of annual turnover figures shall be brought to

current value by enhancing the actual turnover figures at simple rate of 7% interest per annum. The year in which no turnover is made would also be considered for working out the average.

(c) Profit/ Loss

Should not have incurred any loss (profit after tax should be positive) in more than two years during the last five consecutive years ending 31st March 2023, duly certified and audited by the chartered accountant. (The balance sheet in case of Pvt/ Public Ltd. Company means its standalone finance statement and consolidated financial statement both).

(d) Bankers Certificate OR Net worth Certificate

Should have banker's certificate from commercial bank of amount for Rs.46 Lacs (40% of ECPT) (scan copy of original to be uploaded in Form B)

OR

Should have net worth certificate (from CA with unique identification no-UDIN) of minimum 10% of ECPT i.e. Rs.11.5 Lacs. The net worth certificate should not be older than six months from the date of the month of previous to the one in which tenders are invited.

CENTRAL GOVERNMENT EMPLOYEES WELFARE HOUSING ORGANISATION

6th Floor, 'A' Wing, Janpath Bhawan, Janpath, New Delhi – 110 001

Pre-Qualification Documents

Subject: Proforma for submission of details for selection of Interior Works Agencies for Office at 9th Floor of Janpath Bhawan, Janpath , New Delhi

CGEWHO invites eligible Interior works agencies to indicate their Expression of Interest for establishment of Office at 9th Floor of Janpath Bhawan, Janpath , New Delhi.

The details of tender are as under:

- i) The agency should meet the minimum Pre-qualifying (PQ) Criteria as mentioned in the advertisement. The detailed PQ Document can be downloaded from website i.e www.cgewho.in
- ii) Applicants should give details in the order specified. If required additional details may be annexed with reference to the issues, proper referencing should be done.
- iii) A non-refundable amount of Rs 5000/-+GST @ 18% by way of Demand Draft in Favour of CEO , CGEWHO payable at New Delhi towards the cost of EOI Document.
- iv) No joint venture or consortium of agencies shall be allowed and the agency should meet the minimum prequalification criteria by himself.
- v) The intending agency should apply on the prescribed format as per the PQ document along with documentary evidence for the following:
 - a) Certificate of Incorporation in India.
 - b) Articles/ Memorandum of Association/ Partnership Deed etc.
 - c) Certificate of Registration from Registrar of Co.
 - d) EPF/ESI/ Registration No. along with copy of challan for the month of-----.
 - e) PAN No.
 - f) Details of pending litigation etc., if any.
 - g) Name and address of Bankers etc.
 - h) Audited Balance Sheet for the last five years.
 - i) GST no.
 - j) Certificate of Investments
 - k) Latest bankers Certificate for minimum Rs 46 Lacs or Net worth Certificate from CA having UDIN of minimum value of Rs -11.5 Lacs.

- l) Bio data of sub agency regularly employed
- m) Scanned copy of DD deposited towards fee of EOI Documents

FORM 'A'

Structure of Organisation

- a. Name of the Firm :
- b. Year it was incorporation :
- c. Address
 - i) Head Office :
 - ii) Branch Office/s :
- d. Telephone (s) (Office)
 - i) Head Office :
 - ii) Branch Office :
 - iii) E Mail ID :
- e. Contact person(s)
 - i) Head Office :
 - ii) Branch Office :
- f. Status of firm
 - i) Limited/ Private Limited :
 - ii) Partnership :
 - iii) Proprietary :
- g. Class, year and details of enlistment with CPWD, MES or any other Central/ State body
- h. Professional membership like Membership of Builders Association etc.
- i. Area of Specialization (Development, housing, commercial, industrial etc.)
- j. Experience of firm in
 - i) Partition & Wood Works
 - ii) Internal electrical works
 - iii) Fire & HVAC Works
- k. Method of execution of works (Departmental/ sub-contract)

FORM 'B'

In the following questions please include projects undertaken by the firm only – (not by the individual partner/ employees/ Group Construction). Please provide Articles of agreement/ work orders for at least 3 in-hand Interior Projects and 3 recently completed Interior projects in support.

Details of similar works completed (last seven years)

S. No	Project Title	Configuration (No of Stories)	Total Plinth Area (Sq Mt)	Details of Accommodation			Project Value (Cr Rs)	Enhanced project Value up[to previous day of last day of submission	Date		Clients address, Tel No. & e-mail address
				Type	Area	No. of Units			Started	Completed	

Note- The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of interest 7% per annum (without compounding) calculated from the date of completion to previous day of last date of submission of tender.

Details of Similar works in hand (Last seven years)

S.No	Project Title	Configuration (No of Stories)	Details of Accommodation			Project Value (Cr Rs)	Date of start of Construction	Stipulated date of Completion	VWD Till Date	Remaining time of Completion	Clients address, Tel /Mobile No. & e-mail address
			Type	Area	No. of Units						

PERFORMANCE REPORT

1.	Name of Work/ Project & Location				
2	Name of Client				
3	Agreement Amount				
4	Estimated Cost				
4.	Tendered amount				
5	Completed cost of work				
6	Date of start				
7	Date of Completion				
(i)	Stipulated date of completion				
(ii)	Actual date of completion/ likely date of completion				
8	Amount of compensation levied for delayed completion, if any				
8.	Performance Report				
a)	Quality of Work	Very Good	Good	Fair	Poor
b)	Resourcefulness	Very Good	Good	Fair	Poor
c)	Financial Soundness	Very Good	Good	Fair	Poor
d)	Technical Proficiency	Very Good	Good	Fair	Poor
e)	General Behaviour	Very Good	Good	Fair	Poor

- 1) The performance report preferably be submitted in the above pro forma. In case, different pro forma is used, the applicant shall ensure that the report/ certificate shall contain the above information.
- 2) This report should be signed by the authority of owner not less than the rank of Executive Engineer or equivalent.

FINANCIAL INFORMATION

1. Financial Analysis: Details to be furnished duly supported by figures in Balance Sheet/ Profit & Loss Account for the last five years duly certified by the Chartered Accountant (certified copies to be attached).

		2018-19	2019-20	2020-21	2021-22	2022-23	Average Annual Turnover
		A	B	C	D	E	(A+B+C+D+E)/5
(i)	Gross Annual turnover						
(ii)	Profit/ Loss						
(iii)	Net Worth (Paid up capital + reserves) (As on 31.03.2023)	-	-	-	-	-	-
(iv)	Latest Bank Solvency	-	-	-	-	-	-

2. Financial arrangements for carrying out the works (Own arrangements & Fund based & Non-Fund based sanctioned limits).
3. The following certificates are to be enclosed:
- Name and address of bankers, auditors etc.
 - Audited balance sheet & Profit & Loss Account along with Audit Report with annexures for the last 5 Years
 - Net Worth Certificate/ banker's Certificate
4. The value of Annual Turnover shall be brought to current level by enhancing the actual Turnover at simple rate of interest 7% per annum (without compounding). Year in which no turnover is known would also be considered for working out the average.

Signature of Chartered Accountant

Seal & Signature of Applicant

With Seal

LETTER OF TRANSMITTAL
(ON THE LETTER HEAD OF COMPANY)

From:

To:

CEO,
CGEWHO
6th Floor, "A" Wing
Janpath Bhawan, Janpath
New Delhi-110001

Sub: Pre-qualification for establishment of Interior Works for office of CGEWHO at 9th floor , Janpath Bhawan , New Delhi

Sir,

Having examined the details given in Notice for pre-qualification and pre-qualification Application documents for the above work, we hereby submit our qualification and relevant documents.

- i) We hereby certify that all the statements made and information supplied in the enclosed Forms 'A' to 'E' and accompanying statements are true and correct.
- ii) We have furnished all information and details necessary for pre-qualification and have no further pertinent information to supply.
- iii) We have submitted the requisite Banker's Certificate/ performance reports and authorize the CGEWHO or their representatives to approach individuals, employers, firms and corporations to verify our submittals, competency and general reputation.
- iv) We hereby confirm that we have read and understood all the stipulations given in this pre-qualification shall be final and binding on us.
- v) We have submitted the following certificates in support of our meeting the minimum qualifying criteria of completed work(s) as specified for having successfully completed the following works:

	NAME OF WORK	CERTIFICATE FROM
1.		
2.		
3.		

Enclosures:

Date of Submission

(Seal of Company)

(Signature of Applicant)

DECLARATION

(To be submitted on non-judicial stamp paper of Rs.10/- duly certified by Notary Public)

Affidavit of Sh _____ s/o _____ r/o _____
_____. I, the Deponent with above name do hereby solemnly affirm and declare as under:

1. That I am the Proprietor/ Authorized Signatory of M/s _____ having its head office/ Regd Office at _____.
2. I/we have no objection if enquiries are made about the work listed by me/ us in the accompanying sheets/ annexure.
3. I/ we agree that the decision of committee in selection will be final and binding to me/ us.
4. I/ we have read the instructions appended to the proforma and I/ we understand that if any false information is detected at a later date the committee is at liberty to act in a manner it feels deemed fit.
5. I _____ the Proprietor/ Authorized Signatory of M/s _____ do hereby confirm that the contents of the above affidavit along with the information furnished with respect to EOI document no are true to my knowledge and nothing has been concealed there from and that no part of it is false.

Verified at _____ this _____ day of _____ 2024

DEPONENT

FORM OF BANK GUARANTEE FOR EARNEST MONEY

1. WHEREAS ----- (Name of tenderer hereinafter called "The Tenderer") has submitted his Tender dated----- (Date) for the construction of - ----- (Name of contract) (hereinafter called "The Tenderer")

2. KNOW ALL MEN BY THESE WE -----
(Name of Bank) of----- (Name of country) having our registered office at -----
----- (hereinafter called "The Tenderer") are bound unto the Central Government Employees Welfare Housing Organisation, 6th Floor, 'A' Wing, Janpath Bhawan, Janpath, New Delhi (Employer) for which payment will truly be made to the said Employer, the Bank binds himself, his successors and assigns by these presents
SEALED with the common Seal of the said Bank ----- Day of -----2024

3. THE CONDITIONS of this obligation are: -
- i) If the Tenderer withdraws his Tender during the period of validity specified in Tender Document or extended validity.
 - ii) If the Tenderer having been notified of the Acceptance of his Tender' by the Employer during the period of its validity
- a) Fails or refuses to execute the form of Agreement in accordance with the Tender Document
b) Fails or refuses to furnish the Performance' Bank Guarantee, in accordance with the Tender Documents

4. We _____ (indicate the Name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Employer stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by Employer by reason of breach by the said Tenderer of any of the terms or conditions contained in the said agreement or by reason of the tenderer failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by Bank under this Guarantee. However our liability under this guarantee shall be restricted to an amount not exceeding Rs._____.

5. This Guarantee will remain in force upto and during the date ----- days after the deadline for submission of bids as such deadline ----- in the Tender Document or as it may be extended by the employer notice of – extension(s) to the Bank is hereby waived any demand in respect of this Guarantee should reach the Bank not later than the above date

Date----- SIGNATURE OF THE Bank-----WITNESS-----
----- SEAL-----
-----signature, Name and Address

**CENTRAL GOVERNMENT EMPLOYEES
WELFARE HOUSING ORGANISATION
(AN AUTONOMOUS BODY OF GOVERNMENT OF INDIA)
6th Floor, 'A' Wing, Janpath Bhawan, Janpath, New Delhi 110001**

Name of Work: Interior Works for Establishment of CGEWHO Office including Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC, Fire Detection System, UPS System, Graphics/ Signages

INSTRUCTIONS AND INFORMATION FOR TENDERING

1. Before tendering, the Tenderer shall visit and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground, the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall obtain all necessary information as to the risks, contingencies and other circumstances which may influence or affect their bid and also carefully examine the conditions of contract, special Conditions of Contract, General Specifications, Tender Drawings. The schedules of quantities appear to be any ambiguity in or discrepancy between any of these documents or between figures and measured dimensions upon the drawings, he should immediately refer the matter to CGEWHO for clarification.

2. Access to the site will be given during the Tendering period by appointment on an application to the Chief Executive Officer, Central Government Employees Welfare Housing Organisation, 6th Floor, 'A' wing, Janpath Bhawan, Janpath, New Delhi – 110001. The Tenderer shall ascertain the location, size and condition of the areas available for their use as working areas and all other information affecting this tender.

3. (I) The Tenderer shall complete the annexed form of tender, Schedules of Quantity and General Summary with the whole of the prices and information called for therein, quotes the price, and shall sign each page of all the tender documents .

(II) The Tender shall be signed by person or persons so authorised by the Tenderer with signature duly witnessed. In case of a Corporation, the tender shall be signed by the officers so authorised by the Corporation with its seal duly affixed. In case of a consortium, the tender shall be signed by the officers so authorised by each corporate member of the consortium and the Tender shall be affixed with the Corporation seals of each member of the Consortium.

(III) The Tender shall contain an address for serving notices required to be served to the tenderer in connection with the Tender.

4. The Tender Form and the documents attached to it shall not be detached from the other, and no alteration or mutilation (other than filling in all the blank spaces) shall be made in any of the documents attached hereto. Any alterations or erasures to the entries in the attached documents shall be made by a separate covering letter, otherwise it shall not be entertained.

5. The Tender shall contain the following documents in Envelope marked “**Technical Bid**” for evaluation in order specified and in the prescribed format. If required additional details may be annexed with reference to the question, proper referencing should be done:

- (i) No joint venture or consortium of firms shall be allowed and the contractors should meet the minimum eligibility qualification criteria by themselves.

- (ii) Certificate of Incorporation in India
- (iii) Articles/memorandum of association/partnership deed etc.
- (iv) Certificate of Registration from Registrar of Companies.
- (v) EPF/ESI Registration No. along with copy of challan for the month of 2023.
- (vi) PAN No.
- (vii) Details of pending litigation etc., if any
- (viii) Name and Address of bankers etc.
- (ix) Income Tax return and Audited Balance sheet for the last Five years.
- (x) Sales Tax/VAT/GST/CGST/SGST No. along with valid clearance Certificates.
- (xi) Service Tax Registration Numbers.
- (xii) Certificate of Investments
- (xiii) Bank Solvency Certificate for 40% value of qualification limit issues not before March 2023.

(a) A detailed construction program in the form of a Bar chart/ CPM showing the Tenderer's proposed sequence of activity, including, construction/manufacture, delivery, erection & commissioning to ensure that the overall construction period is maintained.

(b) Full details of any special methodology or technique the Tenderer proposes to use to complete the construction or for any other purpose.

(c) The Tenderer's proposals for supervising the works, including the CV's of the various grades of supervisory Personnel/Officers to be employed in this project.

(d) Schedule of labour requirements of different trades showing the total estimated labour force, for each month of construction period.

(e) Proposal for major construction facilities to be erected on site including workshops, officers and storage areas.

(f) Schedule officers of proposed sub-Contractor/ associates along with their credentials and experience.

(g) Schedule of monthly electric power consumption including peak, power requirements.

(h) The Tenderer shall attach to his tender with copies of authenticated documents, containing the constitutions of the consortium, company or firm by which the tender is submitted, so as to show what persons and in what manner a contract may be entered by the consortium, company or firm and what person would be directly responsible for the due performance of the contract and can give valid receipt on behalf of the consortium, company or firm.

(i) Tenderer's have to return all the documents issued to them while submission of their tender duly filled, stamped and signed as per instructions, on the stipulated date and time.

6. The Tenderer shall workout independently and quote the rate with amount in Schedule 'A' (Schedule of Quantities) taking into account the various provisions of the contract such as, conditions of the contract documents and shall bring the amount in General Summary in Envelope marked "**Financial Bid**".

The Item rate price quoted shall be deemed to have included everything required for satisfactory completion of the works and due performance of the contract to the best intent of drawings, specifications and conditions of contract whether or not such requirements have been explicitly shown or stated or implied.

7. Only one copy of the tender documents will be issued to the bidder. He may take photocopy for additional copies if desired.
8. The tender as described above shall be submitted at the office of Central Government Employees Welfare Housing Organisation at a time and date indicated in the invitation to tender and also endorsed **“TENDER FOR INTERIOR WORKS FOR ESTABLISHMENT OF CGEWHO OFFICE INCLUDING FIRE FIGHTING WORK, ELECTRICAL, EPABX, LAN, IT & ACCESS CONTROL SYSTEM, HVAC, FIRE DETECTION SYSTEM, UPS SYSTEM, GRAPHICS/ SIGNAGES”**.
9. Unsuccessful Tenderer must return all the tender documents including drawings before taking back the Earnest money.
10. No tender will be considered which is not accompanied by earnest money and `No-condition` declaration. In the event of the tenderer withdrawing his tender before the expiry of six calendar months from the date fixed for receiving of tenders or such other extended dates as agreed by the Contractor the tender would be cancelled and the earnest money will be forfeited by the employer. The earnest money shall be paid by Bank Guarantee drawn in favour of CEO, Central Government Employees Welfare Housing Organisation, New Delhi. Earnest money is deposited in the form of bank guarantee the same shall be refunded to the successful bidder only after the submission of the Performance Bank Guarantee. The earnest money will not bear any interest.
11. The employer will not be responsible or pay for expenses which may be incurred or losses to persons or property suffered by any Tenderer in connection with visit to or examination of the site and in the preparation of his tender for submission.
12. The Tenderer (whether or not submits a tender) shall treat the details of the documents as secret and confidential.
13. The Tenderer should quote for the entire item as given in schedule of Quantity/Price/General summary. The rates should be written both in words and figures. In case of conflict between the figures and words the later shall prevail.
14. All bills shall be prepared by the Contractor in the form prescribed by the Employer.. Normally **1 (one)** interim bills shall be prepared each month. The bills in proper forms must be duly accompanied by detailed measurement taken jointly by Contractor. In support of the quantities of works done and must have deductions for all previous payments, retention money etc.
15. The Employer reserves the right to adjust arithmetical or other errors in any tender in the way which he considers suitable. Any adjustment so made by the Employer shall be stated to the tenderer if the employer makes an offer to accept the tender.
16. The Employer does not bind himself to accept the lowest or any tender and has the right to reject or accept any or all tenders in part or whole without assigning any reason. The Employer also has the right to reissue the tender. The Tenderer do not have any right towards such reissue of tender.
17. Deleted
18. The contractors shall submit any queries or clarifications before **--/--/2024** to Employer .

19. A Pre-bid conference shall be held with Director (Technical)CGEWHO on **--/--/2024 at 11:00 AM** in CGEWHO, HO, Janpath, New Delhi, wherein the Tenderer can seek clarifications about the tender, if any. No further clarification shall be given after the Pre-Bid meeting.

20. Any further information may be obtained on application in writing to CGEWHO office. The addresses for communications are:

Employer:

CEO, Central Government Employees Welfare Housing Organisation.

6th Floor "A Wing

Janpath Bhawan, Janpath

NEW DELHI-110001

cgewho@nic.in

Phone: 011-23717249/23355408/23357714/23739722

Tele-Fax: 011-23717250

CENTRAL GOVERNMENT EMPLOYEES WELFARE HOUSING ORGANISATION

FORMS OF TENDER

(Note: - The Appendix form Part of Tender)

To,
Central Government Employees
Welfare Housing Organisation
6th Floor "A Wing
Janpath Bhawan, Janpath
NEW DEIHI-110001

Sub: - Interior Works for Establishment of CGEWHO Office including Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC, Fire Detection System, UPS System, Graphics/ Signages.

Sir,

1. Having visited site and examined the drawings, Conditions of Contract, General Specifications and Schedule 'A' for the construction of the above named works in conformity with the said document and for the sum stated in this tender document or such sum as may be ascertained in accordance with the said Conditions of Contract.
- 2 We undertake to complete and deliver all the works comprised in the contract within the time stated in the Appendix hereto.
- 3 We have independently considered the importance of timely completion of works and will complete the work on time so that CGEWHO would not likely to suffer loss in the event of the works not being completed in time.
- 4 If our tender is accepted, when required we will obtain the guarantees from a bank (to be approved by you) of the sum, named in the Appendix hereto, for the due performance of the contract.
- 5 Security / Retention money as per the conditions of contract shall be deducted and returned afterwards.
- 6 We agree to abide by this tender for the period of six months or any extended period thereof from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
- 7 Unless and until a formal agreement is prepared and executed, this tender together with your written acceptance thereof shall constitute a binding contract between us.

8 We understand that if our tender is accepted, we are to be jointly responsible for the due performance of contract.

9 We understand that you are not bound to accept the lowest or any tender you may receive.

Dated----- Day of -----2023

Signature----- in the capacity of -----

Duly authorised to sign tenders for and on behalf of -----

WITNESS

Signature -----

Address -----

Name of Signing Authority -----

Tenderer -----

APPENDIX “A” - TO FORM PART OF TENDER

Sr. No.	Reference condition No.	Page No.	Description	Application of This contract
1	NIT		Name of works	“Interior Works for Establishment of CGEWHO Office including Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC, Fire Detection System, UPS System, Graphics/ Signages”.
2	NIT		Time Allowed for execution of Works	Two months from the date of Actual commencement of works at site.
3	NIT		Accepting Authority	On behalf of CGEWHO, The Chief Executive Officer(CEO)
4	NIT		Cost of Tender Document	Rs. 5000 plus 18% for GST
5	NIT		Last date of sale of Tender Document	08.04.2024 upto 2 PM
6	NIT		Last date & time of Receipt of E-Tender Document	08-/04/2024 3-00 pm
7	NIT		Date and Time of opening of Technical Bid	-08.04.2024 03:30 pm
8	NIT		Date and Time of opening of Financial Bid	To be informed after evaluating the technical Bid
9	NIT		Earnest Money	Rs. 230000
10			Percentage of retention of Money/ Security Deposit	5% from each bill , to be returned after Defect Liability Period of 12 months.
11	Instructions and information for Tendering		Officer to return earnest Money	On behalf of CGEWHO, The Chief Executive officer.
12			Date of commencement of works	10(ten) days from the date of issue of LOI or the date of handing over of site, , whichever is later.

13			Percentage to cover overheads and profit for new item	15% (Fifteen per cent)
14			Competent authority to decide any cause of delay (Beyond Contractor's control)	On behalf of Employer the Chief Executive officer, (CGEWHO)
15			Competent authority to grant extension of time	On behalf of Employer – The Chief Executive Officer, CGEWHO
16			Defect liability period	12 months will start after date of completion.
17			Authority appointing arbitrator	President, Governing Council. CGEWHO
18			Performance Bank Guarantee	5 % of the Total contract amount within 07 days from the issue of L.O.I , will; be returned after completion of work.

ARTICLE OF AGREEMENT

Article of Agreement made this the _____ day of _____, 2024

Between

Central Government Employees Welfare Housing Organisation, an autonomous body of Govt. of India having its registered office at 6th Floor, 'A' Wing, Janpath Bhawan, Janpath, New Delhi – 110 001 (hereinafter called “the Employer”) of the one part

and

_____, a company registered under the Companies Act, 1956 and having its office at _____ (hereinafter called “the contractor”) of the other part.

Whereas the Employer is desirous for executing **Interior Works for Establishment of CGEWHO Office including Fire Fighting Work, Electrical, EPABX, LAN, IT & Access Control System, HVAC, Fire Detection System, UPS System, Graphics/ Signages at 9th FLOOR OF JANPAH BHAWAN, JANPATH, NEW DELHI**

The description of works to be done shall be as per details prepared by the Employer had floated a tender inquiry for inter alia, the construction, and completion thereof in all respect.

AND WHEREAS the Employer has accepted the Contractors tender in respect thereof subject to and on the terms and conditions contained hereinafter.

1. Duties & powers of the Project Manager

The Project Manager who will represent the Employer at site for all matters pertaining to execution, supervision and planning of the project. He will be a representative of the Employer and all instructions pertaining to the project as given by him will be taken into consideration and implemented by the Contractor. All communications from the Contractor shall be addressed to the Project Manager.

2. For the consideration hereinafter mentioned the Contractor will upon and subject to the provisions of the contract carry out and complete and maintain the works described in the scope of the works hereto and of the specification and shown upon the drawings and described by or referred to in the bill of quantities and other Annexure hereto and in the contract in conformity in all respect with all the provision thereof.

3. The employer will pay the Contractor the sum of Rs. _____ (Rupees _____ only), as shall become payable hereunder at the times and in the manner specified in the contract.

4. The following documents shall be deemed to form and be read in conjunction with each other and construed as part of this contract.

- a) The letter of Acceptance/ Intent.
- b) Article of Agreement.
- c) The Tender.
- d) Description/Scope of Works.

- e) General Conditions of Contract.
- f) Special Conditions of Contract.
- g) General specifications published by C.P.W.D. latest edition (to be adopted in case of missing specifications in these documents)
- h) Drawings.
- i) Correspondences and addendums if any.

5 In case of discrepancy between Description /Scope of Works, the specifications and or drawings the following order of preference would be observed.

- I) Description /Scope of Works.
- II) Particular specifications and special conditions.
- III) Tender Drawings.
- IV) Specifications of CPWD .
- V) Indian Standard Specification of B.I.S.

6. The rates quoted by the Contractor include all taxes including income tax, GST, labor Cess, development tax etc. as applicable as per Central Govt., State Govt., local bodies and any other authority.

7. The payment of Good & Service tax (GST) is the statutory liability of the Contractor/ service provider and they shall deposit GST as per prevailing rate from time to time under the intimation to CGEWHO. Labour cess will be deducted as per Govt. regulations.

8 If any dispute arises and persists between the Contractor and employer, the same shall be referred to the Governing Council, CGEWHO, whose award shall be final and binding on both parties.

IN WITNESS WHEREOF THE PARTIES HERE TO HAVE PUT THEIR HANDS HERE UNTO ON THE DAY MONTH AND YEAR FIRST ABOVE WRITTEN.

(CONTRACTOR)

(EMPLOYER)

In the presence of

In the presence of

1.

1.

2.

2.

General Conditions of Contract

1 The order of preference in case of any discrepancy may be read as the following:

- i) Nomenclature of items as per schedule of quantities
- ii) Particular specification and special condition, if any
- iii) Architectural Drawings
- iv) CPWD specification and rules

Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities and instructions of Engineer-in -Charge. Wherever specifications are silent the latest IS codes / CPWD specification shall be followed.

2 Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.

3 The proposed projects quality has paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like structural glazing, PVDF coating aluminium composite panel and other specialised, Wood work will specially require engagement of skilled workers having experience particularly in execution of such items.

4 a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.

b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials.

5 The tenderer shall see the approaches to the site. No payment shall be made on this account.

6 The contractor shall make his own arrangement for obtaining electric connection(s) if required and make necessary payments directly to the department concerned.

7 Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.

8 The contractor shall fully comply with all legal orders and directions of the Public or local authorities or municipality and adhere by their rules and regulations and pay all fees and charges for which he may be liable in this regard. Nothing extra shall be paid/reimbursed for the same.

9 The contractor shall give a performance test of the entire installation(s) as per standing specifications before the work is finally accepted by making his own arrangements electricity etc. and nothing extra whatsoever shall be payable for the same.

10 It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.

- 11 The structural and architectural drawings shall at all times be properly co-related 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 otherwise given in writing by the Engineer-in-charge.
- i) The contractor alone shall be responsible for any loss or damage by the commencement of work on the basis of any erroneous and or incomplete information.
- 12 The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him.
- 13 If the work is carried out in more than one shift or during night no claim on these accounts shall be entertained.
- 14 Blank
- 15 The contractor shall submit for the approval of Engineer-in-Charge names of specialized agencies of repute along with their technical capacity proposed to be engaged by him, who must have executed satisfactorily works of value as he has to execute in this project.
- i) All Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.
16. Samples of all materials and fittings to be used in the work in respect of brand manufacturer and quality shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work. Articles bearing BIS certifications mark shall only be used unless no manufacturer has got BIS mark for the particular material. Any material/fitting whose sample has not been approved in advance and any other unapproved material brought by the contractor shall be immediately removed as soon as directed.

17. Prevention Of Nuisance and Pollution Control

The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/near vicinity. If the contractor fails to take pollution control measures and any fine/penalty is imposed for the same, the same will be born by contractor. The contractor shall make good at his cost and to the satisfaction of the Engineer-in Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer-in-Charge.

18. Security and Traffic Arrangements

Blank

19. Setting out

The Contractor shall carry out survey of the work area, at his own cost, setting out the layout of Office in consultation with the Engineer -inCharge & proceed further. Any discrepancy between drawings and actual layout at site shall be brought to the notice of the Engineer -in-charge. It shall be responsibility of the Contractor to ensure correct setting out of alignment.

20. No tools and plants including any special T&P etc. shall be supplied by the Department and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account

21. Wherever required for the execution of work, all the scaffolding shall be provided and suitably fixed, by the Contractor.

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

23. Supervision of work

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

24. Performance Bank Guarantee

Within 15 days of issue of letter of intent from the Employer, the successful Tenderer shall obtain Bank Guarantee in the prescribed format of nationalized Bank of a sum equal to Five

Percent (5%) of the contract value and furnish the same to the Employer for the due performance of the contract. The terms of the said Bank Guarantee and the cost of obtaining of such guarantee shall be at the expenses in all respects of the Contractor. The performance bank guarantee will be released after three months from the date of handing over the whole establishment.

25. Personal Safety Measures for Labour

Contractor shall provide the following items for safety of workers employed by contractor and associate agencies:

- (i) Protective footwear / helmet and gloves to all workers employed for the work
 - (ii) Welder's protective eye-shields to workers who are engaged in welding works.
 - (iii) .
 - (iv) All the workers should be wearing helmet and shoes all the time on site.
 - (v) Masks and gloves should be worn whenever and wherever required.
 - (vi) First aid facility should also be provided.
 - (vii) Overhead lifting of heavy materials should be avoided. Barrow wheel and hand-lift boxes should be used to transport materials onsite.
 - (viii) Tobacco and cigarette smoking should be prohibited onsite.
 - (ix) All dangerous parts of machinery are well guarded and all precautions for working on machinery are taken.
 - (x) Provide measure to prevent fire. Fire extinguisher and buckets of sand to be provided in fireprone area and elsewhere.
 - (xi) Ensure that the construction firm/division/company have sound safety policies.
- 26.** All material storages should be adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/particulate emissions.
- 27.** Adopt measures to prevent air pollution in the vicinity of the site due to construction activities. There is no standard reference for this. The best practices should be followed (as adopted from international best practice documents and codes).
- 28.** Employ measures to segregate the waste on-site into inert, chemical or hazardous wastes. Recycle the unused chemical/hazardous wastes such as oil, paint, batteries and asbestos. The inert waste is to be disposed off to Municipal Corporation/local bodies dump yard and landfill sites.
- 29.** All lighting installed by the contractor around the site and at the labour quarters during construction shall be CFL bulbs of the appropriate illumination levels. This condition is a must, unless specifically prescribed otherwise.
- 30.** No extra payment will be made for operation/activity mentioned at Sl. No. 1 to 29 above unless specifically mentioned otherwise

31. Project Monitoring

- a. Agency shall submit a detailed program and progress report to the Engineer-in-charge by every 15 days. The format of monthly progress & program report shall be as approved by Engineer-in-Charge.
 - b. The Agency will make it possible to be represented by a senior level executive who have sufficient financial powers to take decisions required for completing the project in time.
 - c. The agency shall stick to the construction schedule, if there is any hindrance or delay due to any reason the same shall be mitigated through engaging extra manpower, material and machinery.
- 32.** All documents i/c photograph/video and other documents in hard copy shall be submitted by the agency to the Engineer-in-charge on quarterly basis for record purpose.

SPECIAL CONDITIONS

1. The contractor shall provide mask to every worker working on the construction site and involved in loading, unloading and carriage of material and construction debris to prevent inhalation of dust particles.
2. 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.
3. 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.
4. The contractor shall compulsory use of jet in grinding and stone cutting.
5. The contractor shall comply all the preventive and protective environmental steps.
6. In the case of negative deviation items(s) being the schedule items recovery shall be made as per the schedule rate plus/minus percentage above/ below quoted contract amount.
7. For new items rate will be existing market rate plus 15% to cover overhead and profit and taxes.
8. All serviceable material found form dismantling/demolishing except those for which credit is taken in schedule of work; shall be the property of department. The contractor shall make a proper list of such material and keep in safe before deposition.
9. The work will be carried out in existing building. For proper bonding of new work with existing surfaces work shall be as per sound engineering practice as well as direction of Engineer-in-charge. Nothing extra shall be paid on this account.
10. All the malba or rubbish obtained from dismantling or otherwise during the execution of the work shall be brought down in packed bags or similar means through the staircase and is not to be thrown to the ground directly from the first floor or above floor etc. This shall be transported and stacked properly in the specified common disposal point/dumping ground earmarked by field staff by cycle rickshaw or anyother similar means on the same day and the site shall be kept clean including the stair case etc. as perthe instructions of the Engineer-in-charge. Nothing extra shall be paid on this account. A fine of Rs. 500/-shall be recovered from the contractor for each complaint/default of such cases. After the collection of a full truck load to the said malba (approx 4.5 cum) the same shall be disposed off by the contractor to the authorized municipal dhalao/dumping ground or place as designated by Engineer In-Charge.
11. Date of commencement of work-10 days from the date of issue of LOI or the date of handing over of site whichever is earlier.
12. Work will be executed in accordance to CPWD specification and norms.

SPECIAL INSTRUCTIONS FOR ELECTRICAL WORKS

1. GENERAL

- Rates quoted shall be for work to be carried out at all heights and levels as required at site. No extra payment on this account shall be admissible.

2 WIRING

- Rates quoted for Point Wiring items shall be based on average wiring and average conduiting length in all areas of the project irrespective of their being shown in tender drawings or not. No extra claim on this account shall be admissible.
- Cost of circuit wiring (wiring from DB terminal to the first switch in any sub circuit) is included in the scope of Point Wiring item. Circuit wiring shall not be paid extra.
- Rate quoted for Point Wiring for ceiling fan points shall also include the cost of providing fan hook cum outlet box in the ceiling. The switchbox shall have space provision for electronic fan regulator.
- Same rate shall be payable for wiring in surface conduiting system or recessed conduiting system
- Recessed conduiting work shall be carried out in close co-ordination with progress of civil works. Conduiting system in slabs shall be laid on shuttering before concrete is poured. Chases in brick work shall be made prior to plastering. Cutting of concrete or plaster for conduit laying shall not be permitted.
- Wiring colour code – Red, Yellow, Blue for three Phases, Black for Neutral and Green for Earth – shall be maintained for entire wiring except on UPS
- UPS wiring colour code – Red/white, Yellow/white, Blue/white for three Phases, white for Neutral and Green/yellow for Earth shall be maintained for wiring on UPS system.
- All wiring accessories (switches, socket outlets, bell pushes etc.), shall be as per approved make, type and colour. Sample of each type shall be got approved by Architect/Owners before use on work.
- Socket outlets on UPS and on normal supply shall be designated and labeled as “UPS” and “Raw Power” in a manner specifically got approved from Architects/ Owners
- Rates for wiring of IP 56/metal clad 20/32 amps single/three phase socket outlets shall include the cost of matching plugs also.

3 SUB-MAINS AND MAINS.

- Payment of **sub main wiring in conduit** shall be as per the length of conduit measured between conduit terminations. Wires without conduits inside equipment for making terminal connections at either end shall not be payable extra.

- Payment of **cables** shall be based on length of cable laid between cable termination glands on either end. Length of cable leads inside the cable termination arrangement shall not be payable extra.
- Single core cables shall be armored with nonmagnetic material. The core insulations shall be colour coded (Red/Yellow/Blue for phases and Black for neutral)
- Annular space around cables, conduits, bus ducts and rising mains shall be filled by fire resistant compound of approved make and type in accordance with the compound manufacturer's instructions.
- Annular space around cables/earth strips entering below ground level into the building shall be filled up with suitable mastic compound to prevent ingress of rodents and water into the building.

4 SWITCHBOARDS AND DISTRIBUTION BOARDS

Quoted rates shall be inclusive of the cost of the following.

- Details of sub-circuits being fed by DBs shall be affixed on the back of the DB door of each DB
- Earth bonding of all hinged doors (of DBs and SWBD cubicles/panels) shall be effectively done by braided flexible copper wire.
- All doors and operable covers shall be casketed with neoprene or equivalent approved gaskets.
- 3 mm thick gland plate shall be provided at top/bottom of SWBDs for cable entry.
- 1 no. sample DB shall be got approved from Owners/Architects before undertaking bulk procurement /fabrication.
- All DBs and SWBDs shall be designated by engraved name plates of approved material, finish and lettering fixed by countersunk nickel/cadmium plated screws. Danger plates shall be affixed on all three phase boards.
- An as-built schematic wiring diagram in stenciled permanent ink and housed in wooden frame with clear non- reflective acrylic cover shall be provided near main LT panel in substation/electrical room.
- Framed safety instructions complete with emergency telephone numbers shall also be provided inside each switch room and generator room..

5 FIXING OF LIGHTING FIXTURES

Quoted rates shall include the following:

- All components that may be required to make the installation complete in all respects such as,
 - Suitable length of down rod, hanger and connecting wires where called for..
 - Internal wiring between accessories.

- Wiring for connecting the fixtures to the point through connection blocks.
 - Metal blocks to serve as base of fixtures.
 - Bonding with earth.
 - Drilling holes in supports where required.
 - Fixing clamps, GI bolts and nuts, brass screws, saddles, rawl plugs and other fixing accessories as required.
- Installation of light fittings shall be with the use of two junction boxes placed 600 mm apart for 36/40 watt fixtures and 300 mm apart for 20 watt fixtures. The junction boxes shall form a part of the conduiting and shall be placed in the slab at the time of concreting.
 - For any fixtures and fittings required to be fixed to the RCC slab, the Contractor shall drill the required holes with the use of an appropriate drilling machine with drill bits and no extra charges shall be payable on this account.

6 WIRES AND CABLES

ALL WIRES AND CABLES USED SHALL BE OF THE STIPULATED MAKE. THE CONTRACTOR SHALL PROVIDE A CERTIFICATE FROM THE MANUFACTURER CONFIRMING THAT ALL WIRES AND CABLES SUPPLIED TO SITE ARE OF THEIR MAKE, IRRESPECTIVE OF WHETHER THE WIRES/CABLES ARE PURCHASED FROM THE MANUFACTURER DIRECTLY OR THROUGH A DEALER SUITABLE TEST CERTIFICATES FROM MANUFACTURERS, AS REQUIRED, SHALL BE SUBMITTED TO ARCHITECT/OWNER.

PAYMENT FOR WIRES/CABLES SHALL NOT BE MADE WITHOUT THE MANUFACTURER'S CERTIFICATE BEING FURNISHED TO THE OWNERS.

MATERIAL AND QUALITY ASSURANCE

1. The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted.
 - 1.1. **Source of Material:**
 - 1.1.1 The water for construction work shall be arranged by contractor.
 - 1.2. The contractor shall get the source of all other materials, not specified elsewhere in the document, approved from the Engineer-in-Charge. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.
 - 1.3. The contractor shall submit shop drawings of staging for aluminium work, and other works as desired by Engineer In Charge for his approval before execution.
2. The contractor shall arrange carrying out all tests of all materials required under the agreement through the laboratory as approved by the Engineer-in-Charge and shall bear all charges in connection therewith including testing charges. The samples for testing shall be supplied free of cost by the contractor. The contractor shall also make all arrangements for transportation and delivery of samples of materials to the testing laboratory and nothing extra shall be payable for the same.
3. **Sampling of Materials:**
 - 3.1. Articles manufactured by companies of repute and approved by the Engineer-in-Charge shall only be used. Articles bearing BIS certification mark shall be used in case the above are not available the quality of material brought by the contractor shall be judged by standards laid down in the relevant BIS specifications. All materials and articles brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-Charge which shall be preserved till the completion of the work
 - 3.2. The contractor shall ensure quality construction in a planned and time bound manner. Any substandard material/work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-Charge.
 - 3.3. BIS marked materials except otherwise specified shall be subjected to quality test at the discretion of the Engineer -in-Charge besides testing of other materials as per the specifications described for the item/materials. Wherever BIS marked materials are brought to the site for work, the contractor shall,, if required, by the Engineer-in-Charge furnish manufacturers test certificate to establish that the material produced by the contractor for incorporation in the work satisfies the provisions of BIS codes relevant to the material and/or the work done.
 - 3.4. 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.

- 3.5. All materials brought by the contractor for use in the work shall be got checked from the Engineer-in-Charge or his authorized representative of the work on receipt of the same at site before use.
 - 3.6. The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are in lock and key system.
4. The contractor shall be fully responsible for the safe custody of materials brought by him

List Of Approved Makes

S. No.	Item	Manufacturer's Name
A. ELECTRICAL		
1	UPS SYSTEM	AAL/PEGASUS/EMERSON/ PCI/ SOCOMAC
B. ELECTRICAL SYSTEM/ PANELS		
1	ACB / MCCB / CONTACTOR	SIEMENS/ ABB/ SCHNEIDER/L&T
2	LED'S LIGHT	PHILIPS/ BAJAJ/POLYCAB/WIPRO
3	ISOLATORS	LEGRAND/ SIEMENS/ SCHNEIDER/ ABB
4	CHANGE OVER SWITCH	HH-ELCON/ HPL SOCOMAC / GE
5	CONTACTOR, TIMER, SINGLE PHASE PREVENTOR & OVER LOAD RELAY	L&T/ ABB/ SIEMENS
6	METERS - DIGITAL TYPE	AE/ L&T/ RISHAB/ GE
7	PROTECTIVE & APFC RELAYS	ASLTOM/ ASHIDA/ L&T
8	CT's / PT's- DRY TYPE-EPOXY	AE/ KAPPA
9	INDICATING LAMP / PUSH BUTTON ACTUATORS - LED CLUSTER TYPE	L&T/ SIEMENS/ BCH
10	ROTARY SWITCHES	L&T/ KAYCEE/ BCH
11	TERMINAL BLOCK	ELEMEX/ WAGO
12	415V ELECTRICAL PANELS/ PCC's	RISHA/SPC/ADVANCE PANELS & SWITCH GEAR
C. CABLES/ TERMINATIONS/ ACCESSORIES		

1	LUGS	DOWELLS/ COMET
2	BRASS CABLE GLANDS	COMMET/ BELIGA
3	LT POWER CABLE (ALUMINIUM/ COPPER)	POLYCAB / KEI / SKYTONE
4	CONTROL CABLE (COPPER)	POLYCAB / KEI / SKYTONE
D.	CONDUITING & WIRING ACCESSORIES	
1	MS CONDUIT / GI CONDUIT (ISI MARKED)	BEC/ AKG
2	PVC CONDUIT (ISI MARKED)	BEC/ AKG
3	PVC INSULATED COPPER CONDUCTOR FRLS WIRE	POLYCAB / BATRA HENLAY/RR KABLE/
4	PLATE TYPE - SWITCHES / SOCKETS / TV & TELEPHONE SOCKETS AND ALL OTHER WIRING ACCESSORIES	LEGRAND/ ANCHOR-ROMA
5	ACCESSORIES FOR METALIC / GI CONDUIT (ISI MARKED)	SHRMA STEEL CORPORATION / PRAKASH ENGINEERING WORKS / SUPER SALES CORPORATION
6	PVC INSULATION TAPE	STEEL GRIP/ ANCHOR
7	PHENOL LAMINATED SHEET	HYLUM/ FORMICA
8	RACEWAYS & CABLE TRAY	MEM/INDEANA
9	TERMINATIONS	WIRE NUTS
E.	LIGHTING DBs & MCBs	
1	MCB,10KA	LEGRAND/ SIEMENS/ ABB /
2	DISTRIBUTION BOARD	LEGRAND/ SIEMENS/ ABB /
3	ELCB / ELMCB / RCCB	LEGRAND/ SIEMENS/ ABB /
F.	LIGHTING FIXTURES & FANS	
1	EXHAUST FANS / CEILING FAN / WALL MOUNTED FAN	HAVELLS/BAJAJ/POLYCAB / CROMPTON
2	LIGHTING FIXTURES	PHILIPS/WIPRO/FLOSS OR equivalent

G.	ELV- TELEPHONE/ CCTV/ DOOR ACCESS/ FIRE ALARM/ PUBLIC ADDRESS & MISC. SYSTEMS	
1	SMOKE DETECTORS	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
2	HEAT DETECTORS	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
3	MANUAL CALL BOX	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
4	HOOTER/ SOUNDER	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
5	RESPONSE INDICATOR	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
6	FIRE PANEL	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
7	PA AMPLIFIER	BOSE/ PHILIPS/ AHUJA
8	PA SPEAKERS	BOSE/ PHILIPS/ AHUJA
9	LINE MATCHING TRANSFORMER	BOSE/ PHILIPS/ AHUJA
10	GOOSE NECK MIKE	BOSE/ PHILIPS/ AHUJA
11	MONITOR	ALBA/ LG/ SAMSUNG
12	VCR	BPL/ PANASONIC
13	MULTIPLEXER	SENSORMATIC OR EQUIVALENT
14	SEQUENCER	ALBA/ VANTAGE
15	PROXIMITY CARD	MOTOROLA/ HUGHES/ HONEYWELL/GE/SIEMENS

16	TELEPHONE TAG BLOCK	KRONE/SYSTIMAX/PANDUIT
17	TELEPHONE CABLES	DELTON / SKYSTONE
18	CO-AXIAL CABLES	FINOLEX/ DELTON/SKYSTONE
19	EPABX	ALKATEL/ SIEMENS/ NORTEL
20	CCTV SYSTEM	HONEYWELL/ SIEMENS /PELCO
21	IT & TELECOM SYSTEM	SCHNEIDER/ SYSTIMAX/ PANDUIT
22	FIRE ALARM SYSTEM	NOTIFIER/ HONEYWELL(XLS)/ SIEMENS
23	ACCESS CONTROL SYSTEM	HONEYWELL/ SIEMENS/GE
H.	MISCELLANEOUS SYSTEMS	
1	BATTERIES	EXIDE/ STANDARD
2	BATTERY CHARGER	KELTRON/ NELCO/ EXIDE/ HBL NIFE

S.NO.	SUBJECT	APPROVED MAKE
1	Addressable Fire alarm Control Panel	Bosch, Siemens, Simplex, UTC, Tyco
2	Addressable Detectors	Bosch, Siemens, Simplex, UTC, Tyco
3	Manual Call Points	Bosch, Siemens, Simplex, UTC, Tyco
4	Sounders/ Strobes	Bosch, Siemens, Simplex, UTC, Tyco
5	Remote Indicators	Bosch, Siemens, Simplex, UTC, Tyco

LIST OF APPROVED MAKES FOR HVAC EQUIPMENT AND MATERIALS

Sr. No.	Details of the Items	Manufacturer's name
1.	Air Handling Units	Caryaire/Carrier/VTS
2.	Centrifugal fans for AHUs	Nicotra/comefrei / Krugar
3.	Electric Motors	ABB/Crompton/Kirloskar/ GEC/Siemens
4.	MS/GI Pipes	Jindal- Hissar /TATA
5.	GI Sheet	Sail/TATA/ Bhushan
6.	Butterfly Valves	Castle/SKS / Audco /C&R
7.	Balancing Valves	Castle/Econosto/Sant/C&R
8.	Check Valve	Castle/Kirloskar/Econosto Audco / C & R
9.	Ball Valves	CIM /Festo/Rapid Cool
10.	Ball Valves with Strainers	CIM /Festo/Rapid Cool
11.	Flexible Pipe Connections	Resistoflex/Kanwal
12.	Gate Valve	Leader/Kirloskar
13.	2 way mixing Valves for AHUs /FCUs	Siemens/Honeywell /Schneider
14.	Thermostats for AHUs	Siemens/Honeywell/schneider
15.	Pressure Guage	H.Guru/Feibig
16.	Thermometer	H.Guru/Taylor/Emerald
17.	Flow Switch	Rapidcool/Danfoss/Siemens
18.	Air Vents	Rapidcool/Anergy

19.	Grilles/Diffuser	Caryaire/Mapro/Airmaster/Ravistar
20.	MS Dampers/Louvers	Tristar/Mapro/Servex
21.	MCCB	L&T/Siemens/GE/Shneider
22.	MCB	L&T/MDS/Ishneider
23.	Control Cables	Grandlay/Batra Henlay/Kalinga
24.	Power Cable	ICC/Skytone/Plycab/Kalinga
25.	DOL/Star Delta starters	L&T/Siemens
26.	Aux.Relay/contactors	L&T/Siemens
27.	Line Type Fuse	L&T/EnglishElectrc/Siemens
28.	Timer	L&T/EnglishElectrc/Siemens
29.	Terminal Block	Elmex
30.	Indicating Lamps	L&T/Siemens
31.	Selector Switches	L&T/Siemens
32.	Electrical Pane	Tricolite/Advance/EAPL/PCS
33.	Nitrile rubber Insulation for ducts and pipes	Eurabatax/Aeroflex/Superlon/Armaflex
34.	Flexible Duct Connection	Airflow/Kanwal
35.	Gaskets	Neoprene rubber
36.	Adhesives	Fevicol / Superlon
37.	VIBRATION ISOLATOR	Resistoflex/Dunlopl
38.	FILTERS	Thermadyne/Anfilco
39.	Fire Damper	Conaire/RTI/Caryaire

Notes:

- a. It shall be at the discretion of the client or the client's representative to choose the final make for materials for execution from the specified list of approved makes. The contractor to consider this while quoting and procuring each item with prior approval of the client or the client's representative.

- b. In case the contractor is unable to be procure or defaults in procuring one or more of the specified materials, the client or the client's representative reserves the right to procure the same at the expense of the contractor. The same shall be adjusted in the subsequent running bill of the contractor.

PREAMBLE TO CONTRACT

CGEWHO proposes to start interior works for setting up **OFFICE UNIT** at **9TH FLOOR** of Janpath Bhawan, **NEW DELHI**. All works to be executed as per the quoted rate. This tender is being issued for the above works and all works are to be executed as per Scope of work, Specifications and Drawings.

The work includes Firefighting work, Electrical work, EPABX, LAN, IT & Access Control System, Heating, Ventilation and Air Conditioning (HVAC) work, Fire Detection System, Wooden Partition works with Aluminium and Wooden Doors, Graphics/ Signages and UPS System etc. complete in all respects which will be on Item Rate basis.

SPECIAL NOTES:

In the event of conflict between Scope of work and drawings or other documents including the Specifications, the most stringent specification shall apply. The interpretation of the Architect/Client shall be final and binding on the contractor.

The Contractor shall procure and bring Materials/Equipment to the site only on the basis of drawings approved for construction and shop drawings and not on the basis of Scope of work which are approximate only.

All rates quoted are inclusive of cutting holes and chases in walls and floors with core cutting machines and electrical chasing machines and making good the same with cement mortar / concrete / water proofing of appropriate mix and strength as directed by the Architect/Engineer-in-Charge. Contractor shall provide holes, sleeves, recesses in the concrete and masonry work as the work proceeds.

On completion of all works, contractor shall demolish all stores, remove all surplus materials and leave the site in a broom clean condition, failing which the same shall be done by the Engineer-in-Charge at the Contractor's risk and cost. The contractor shall, from time to time, clear away all debris and excess materials accumulated at the site failing which the same shall be done by Client/ Engineer-in-Charge at contractor's risk and cost and cost of cleanup shall be deducted from the contractors on pro-rata bill.

CURRENCIES AND PAYMENT

Tenderers shall quote their prices in Indian Rupees only. All payments will be made in Indian Rupees only.

No advance of any sort shall be payable under this Tender.

All the payment shall be released through e-banking. Successful bidder shall submit details of their Bank Account for e-payment.

PAYMENT

Each stage of payment shall be applicable only when the work has been accepted in accordance with the tender specification up to that particular stage.

Payment shall be made on the basis of the item rate per unit as mentioned in the Schedule of Items based on measurement of the executed work.

Running Account Bill(s) based on payment terms in the Contract shall be paid based on joint measurements & subject to approval of Engineer-in-Charge after deduction of necessary dues, taxes and duties as applicable and payable by the Contractor in accordance with various provisions made elsewhere in this matter.

Tenderer's item rate prices quoted against Scope of work shall be deemed to include full and entire completion of all works as described here-in before and in accordance with good engineering practice and recognized principles.

The tender specifications, drawings, CPWD specifications and IS provisions are to complement each other and tender specific specification will have precedence over CPWD specification in case of ambiguity. In case of any details missing or incomplete, these documents shall supplement the drawback.

Details of construction/items which may not have been inadvertently specified or shown on drawings but are apparently and obviously required for making the building, trades and services functional or safe or essential for completion of the work shall be deemed to be included in the item rates quoted by the Contractor.

The details of such work shall have appropriate quality and as per specifications of this contract. In case there is any discrepancy of any item or the same item conveys different meaning at different places viz tender drawings/ specifications/ scope of work/ yard sticks, the contractor/ tenderer shall clarify the same in pre-bid meeting or else later the decision of the Client/Architect, in such matters shall be final and binding.

Any clarification regarding commercial terms & conditions should be sought by the tenderer in the pre-bid meeting. No claim for any item or quantity or any other discrepancy or mistake shall be entertained later or during tendering or completion of work on any grounds.

The work to be executed within the finalized item rate contract price shall include ALL items indicated in ANY of the contract documents like:

1. Tender drawings
2. Preamble to contract
3. Description of work
4. Approved make of materials
5. Conditions of contract
6. All constituents of the tender document

Provisioning and arrangement of all adequate and required tools, plants required for efficient, accurate and proper execution of work for completion in time is deemed to be included in the rates quoted by the Contractor.

The Client reserves the right to ensure their installation and use where they deem it necessary.

COMPLETION PERIOD:

All works under this contract shall be commenced simultaneously and the period of completion for the entire work shall be two **months (two months)** from the date of commencement.

ALL RATES IN THIS CONTRACT SHALL BE FOR WORK INCLUSIVE OF ALL SCAFFOLDINGS, LEADS, SLOPES, DISPOSAL AND FOR ALL HEIGHTS, LEVELS AND LIFTS UNLESS OTHERWISE SPECIFIED.

1. All weights and measures (of any material) shall be recorded net to finished size only, and exclude wastage which shall be to the contract's account and provided for within the quoted rate.
2. The following shall not be measured and/or paid for and the contractor shall make allowance for the same in the quoted rate-
 - a) Setting out of the work and site clearance
 - b) Preparing and submitting shop/fabrication drawings for doors, windows and all other fabricated items of work for prior approval before commencing the work
 - c) Any other similar kind of preparatory work
3. Nothing extra shall be paid for the following, which shall be provided for within the quoted rates for finishing item of work-
 - a) Making "V" / "U" grooves of any pattern at junctions of walls, ceilings, skirting and frames as directed by the CLIENT/Architect
 - b) Work at all leads, lifts, levels and heights
 - c) Finishing the edges of electric fittings and boxes etc.
 - d) Use of all scaffoldings and cradles, dust sheets and other covering for the protection of fixtures, fittings, furniture, floors etc.
 - e) Cleaning of stains, material residue from glass, joinery, electric fittings, floors, wall surfaces etc. including washing the floors and leaving the premises neat and clean

- f) All samples and mockups required for approvals
 - g) Making openings in marble/granite/ kota stone slabs of floors dados and platforms such like services connections and electrical fittings and boxes
4. To execute all works as required to complete a habitable complex whether specified or not
 5. All items of work under this Contract shall be executed strictly to fulfill the requirements laid down in the specifications and drawings and also to fulfill basis of designs as per relevant IS codes. Type of equipment, material specification, methods of installation and testing and type of control shall be in accordance with the specifications, approved shop drawings and the relevant Indian Standards, however capacity of each component and their quantities shall be such as to fulfill the basic requirement.
 6. The contractor shall include for making all the opening in slabs, beams, walls etc. as required for his work All openings shall be closed using water proofing compound or as specified by Engineer-in-Charge /Architect.

Removal of rejected/sub-standard materials

The following procedure shall be followed for the removal of rejected/sub-standard materials from the site of work:

- (i) Whenever any material brought by the contractor to the site of work is rejected, entry thereof will be made in the Site Order Book under the signature of the CLIENT/t giving the approximate quantity of such materials.
- (ii) As soon as the material is removed, a certificate to that effect shall be recorded by the CLIENT/ against the original entry, giving the date of removal and mode of removal, i.e., whether by truck, carts, or by manual labor. If the removal is by truck, the registration number of the truck should be recorded.
- (iii) When it is not possible for the CLIENT/Architect to be present at the site of work at the time of actual removal of the rejected/sub-standard materials from the site, the required certificate should be recorded by the Project Engineer and the CLIENT/t should countersign the certificate recorded by the Project Engineer.

SCHEDULE-A
SCHEDULE OF QUANTITY

SCHEDULE OF RATES (SCHEDULE-A)

S. No.	DSR-2021 Item No.	Doors, Partitions & Woodwork	Unit	Quantity	Rate	Amount
1	10.3	Collapsible steel shutter				
		Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer./ (Make:- Hindustan Fabricator, Rama Rolling Shutter, Shiv Shakti Industries)	SqM	9.00		
2	9.154	Providing and fixing frame work for partitions/ wall lining etc. made of 40x40x1.6 mm hollow G I tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/ floors with steel dash fasteners of 8 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc. complete, all as per direction of Engineer-in-charge.(Make:- Jindal, Hisar,APL Apolo)	Kg	1,950.00		
3	21.2.2	Providing and fixing 06 mm thick teak plywood on both sides of partition frames with C.P. brass / stainless steel screws including lipping with polished wood and necessary provisions for pinup boards with fabric/white marker /prelaminated of approved shade in workstation locations and for spaces, cut outs for electrical conduits, socket/ switches etc. complete as per architectural drawings and directions of Engineer-in-Charge. (Make for all woodwork:- Duro./Century/ Green Ply)	SqM	386.00		
4	13.68.1	French spirit polishing Two or more coats on new works including a coat of wood filler (on exposed surface only)	SqM	386.00		

5	21.1	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. (Make;- Jindal/Hindalco/Indalco;- Thickness for all the members - 2.5 mm to 3.5 mm)				
6	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	475.00		
7	21.3.3	Toughened glass 6 mm thickness required as per size (Make:- Modi Guard , Saint Gobain,Asahi)	sqm	95.00		
8		Work Stations				
		The table top shall be made up of 25 mm thick prelaminated particle board of approved shade with 8 mm thick wooden moulding on all exposed edges .The work station shall be fixed with the partition / brick wall and supported on one no 3 drawers prelaminated pedestal (500*550 d 760 h with 18 mm commercial plywood) on one side and the other side on 2 mm thick powder coated CRCA steel bracket screwed to partition wall .Accessories for each workstation shall be one no Metallic Key Board Tray, one no CPU Trolley . Frosted glass Seperator pannel shall be provided in between work stations & the drawers should have SS handles with locking arrangements.				
		(a) One seater L shape Corner Workstation of 1900*1200*600&400	No	15.00		
		(b) One seater L shape Corner Workstation of 2080*1200*600&450		10.00		
		(c)Straight (non- L -shaped) work stations with one pedestal drawer etc complete	no	15.00		
9		Addition pedestal drawer 500*400(d)*760 (h) as per specification clarified in Work Station	no	25.00		

10	9.166	Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge .				
		Four shelves overhaed cabinet of 1000*975*350 at the clear height of 1425 mm from floor to be fixed to wall/partition .	Rmt	100.00		
		Eight shelves Cupboard of 890*2400*600 from floor to be fixed to wall/partition .	No	5.00		
11	9.168	Providing and fixing cupboard shutter and its shelves partitions with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. including 6 mm one sided prelaminated linner fixed to to wall of cupboard all complete including necessary fittings as per direction of Engineer-in-charge. For 5 nos wall cupboard - Make:- All fittings:- Godrej, Doorset, Hettich)	sqm	13.00		
12	9.166	Providing and fixing 18mm thick both sides Pre-laminated cement bonded wood particle board as per IS : 15786:2008 of approved brand and shade with suitable full threaded steel screws etc. in partitions, boxes, shelves, racks and cupboard, kitchen cabinet under kitchen counter etc. all complete as per direction of Engineer-in-charge. For 5 nos Wall Cup Board	SqM	13.00		
		Wall lining of wall mounted CB (2412)	SqM	65.00		
		Shelve Partitions (9.166)	SqM	46.00		
		Painting on 6 mm commercial ply	SqM	150.00		
13		Supplying & fixing polyvinyl Chloride sheet	SqM	156.00		
14		Furniture (As per Godrej Catalogue)				
		Aristro Table with ERU 800*2100*750 Page-12 (20-21)- one No Plus Impress back Unit-1 (2215*410*2000-one no (page-16 (28-29)	No	1.00		
		Impression Main table 1800*900*750 - Page no -16(28-29) one no Plus Aristro Back Unit(1800*500*750-page no 12(20-21)-one no	No	2.00		
		Mingle Unitized Siam Taek PLT-8 Seater	No			

		(2350*1150*740-Modular		1.00		
		Centre table :- Alice Coffee table Walnut page no-107 (211)	No	3.00		
		Reflection L shaped & Feet (2400*725*740)	No	1.00		
		Emerald Leatherette-high back page no 42 (80-81)	No	1.00		
		Versa Neo High back Chair page no 41(78-79)	No	2.00		
		Marvel Visitor Chair page no- 41 (78-79)	No	6.00		
		Greta 2 Mid Back Chair page no-46 (88)	No	8.00		
		Cedar 3-seater Sofa fabric beige page no-106(208)	No	4.00		
		Three bay mechanical mobile Compactor: - Double face movable unit - 2700*900*2200 - 5 compartments (7 nos) + Double face movable unit with door 2700*930*2200 - 5 compartments -1 no + Single face fixed unit 2700*475*2200 - 5 compartments -I no	Set	1.00		
15	26.23.1	False Ceiling :- Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on interlocking metal powder coated T-Grid of hot dipped galvanised iron section of 0.40 mm thick on Silhouette profile, rotary stiched double webbed white with 6mm reveal profile (white/black),comprising of main-T runners of size 15x42mm of length 3000 mm, cross - T of size 15x42 mm of length 1200 mm and secondary intermediate crossT of size 15x42 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2mm. Galvanised iron perimeter wall angle of size 22x19x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of				

		plastic rawl plugs at 450 mm center to center and 40mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge				
		With 15 mm thick integral densified micro edge light weight calcium silicate false ceiling tiles	Sqm	440.00		
16	MR	Providing and fixing Zebra Blind with Cassette of approved shade and colour including operating system complete of approved brand and manufacture (Vista Levelor or equivalent)as per direction of Engineer-in-charge with all accessories required to operate including cutting and making opening for air conductor wherever required .	Sqm	80.00		
17		CC TV camera system	No	3.00		
				Total		
B		FIRE FIGHTING WORK				
1	18.7.1	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, conforming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more coats of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).25 mm nominal bore	M	110.00		
2	18.7.2	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, conforming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more coats of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).32 mm nominal bore	M	9.00		

3	18.7.3	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more caots of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).40 mm nominal bore	M	12.00		
4	18.7.4	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more caots of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).50 mm nominal bore	M	12.00		
5	18.7.5	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more caots of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).65 mm nominal bore	M	12.00		
6	18.7.5	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer	M	10.00		

		and two or more coats of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).80 mm nominal bore				
7	18.7.6	Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more coats of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).100 mm nominal bore	M	9.00		
8		Providing and fixing of following sizes of mild steel pipe, flanges and fittings such as bends, tees, reducers, rubber insertions and galvanized nuts and bolts, blank flanges, confirming to IS:1239-1974 Part-I and Part-II (Heavy Class) with upto-date amaendments including fixing the pipe on wall/ceiling with suitable galvanized strip/clamps/bracket and painting with one coat of anti-corrosive paint/primer and two or more coats of synthetic enamel paint etc. complete as required. (Jointing : Pipe Diameter up to 50mm - Screwed / Groove Fittings, Above 50 mm - welded).150 mm nominal bore	M	9.00		
9	4214	Providing and fixing 15 mm dia gunmetal sprinkler head with quartz bulb and set to operate at specified temperature. Sprinkler head shall carry UL-FM approval (Make : Tyco / Viking / Globe) .Temperature of operation 68 deg.C.Chrome plated pendent type with powder coated twin rosette plate.	Each	60.00		
10	4215	Providing and fixing 15 mm dia gunmetal sprinkler head with quartz bulb and set to operate at specified temperature. Sprinkler head shall carry UL-FM approval (Make : Tyco / Viking / Globe) .Temperature of operation 68 deg.C. Chrome Plated/powder coated concealed type sprinkler head with all plates and accessories.	Each	40.00		

11	4221	Providing and fixing 25 mm dia, 1000mm to 1500mm long flexible stainless steel (SS 304) pipe for making final connection of sprinkler head with sprinkler system piping network including 2 nos. 25mm diameter G.I. connector, G.I. Nipple, Reducer, elbow and threaded jointing complete as per detail. (Make : NEWAGE / Viking /TYCO/GETECH).	Each	35.00		
12	NS	Dismantling and refixing of existing MS pipes including all works like welding, support fixing, painting, testing complete in all respects. 25 mm nominal bore	M	4.00		
13	NS	Dismantling and refixing of existing MS pipes including all works like welding, support fixing, painting, testing complete in all respects. 32 mm nominal bore	M	2.00		
14	NS	Dismantling and refixing of existing MS pipes including all works like welding, support fixing, painting, testing complete in all respects. 40 mm nominal bore	M	2.00		
15	NS	Dismantling and refixing of existing MS pipes including all works like welding, support fixing, painting, testing complete in all respects. 50 mm nominal bore	M	2.00		
16	NS	Making connection with existing main header including butterfly valve, flanges and accessories required. 150 mm nominal bore	Each	1.00		
17	NS	Providing and fixing brass ball valve with SS 304 Stem and ball, teflon seat complete (PN-16). 25 mm dia nominal bore	Each	1.00		
		PORTABLE FIRE EXTINGUISHERS:				
1	NS	Providing & fixing of 2kg clean agent gas based residue free stored pressure FE-36 Dupont - HFC-236fa (HEXAFLUOROPROPANE-CF3-CH2-CF3) multipurpose type having 0% ODP with magnetic pressure gauge having the facility to check with the magnetic pressure kit on site pressurised by dry nitrogen, can height 341MM, diameter is 108 MM Gross weight 3.6Kg, empty weight 1.6 Kg, discharge time is minimum 6 sec, controllable discharge mechanism, embossed fire rating as per the BS EN 3- 21B, BIS 15683 marked with EPDM Hose with helium leak detection tested and certificate enclosed, range 4 mtr with plastic yellow safety seal with pull marked on it, Warranty 5 year. (Make Kanex / Safe Guard /	Each	3.00		

		Getech) - Capacity 2.0 kg				
2	NS	Providing & fixing of 2kg clean agent gas based residue free stored pressure FE-36 Dupont - HFC-236fa (HEXAFLUOROPROPANE-CF3-CH2-CF3) multipurpose type having 0% ODP with magnetic pressure gauge having the facility to check with the magnetic pressure kit on site pressurised by dry nitrogen, can height 341MM, diameter is 108 MM Gross weight 3.6Kg, empty weight 1.6 Kg, discharge time is minimum 6 sec, controllable discharge mechanism, embossed fire rating as per the BS EN 3- 21B, BIS 15683 marked with EPDM Hose with helium leak detection tested and certificate enclosed, range 4 mtr with plastic yellow safety seal with pull marked on it, Warranty 5 year. (Make Kanex / Safe Guard / Getech) - Capacity 2.0 kg.	Each	1.00		
3	NS	Providing & fixing of 2kg clean agent gas based residue free stored pressure FE-36 Dupont - HFC-236fa (HEXAFLUOROPROPANE-CF3-CH2-CF3) multipurpose type having 0% ODP with magnetic pressure gauge having the facility to check with the magnetic pressure kit on site pressurised by dry nitrogen, can height 341MM, diameter is 108 MM Gross weight 3.6Kg, empty weight 1.6 Kg, discharge time is minimum 6 sec, controllable discharge mechanism, embossed fire rating as per the BS EN 3- 21B, BIS 15683 marked with EPDM Hose with helium leak detection tested and certificate enclosed, range 4 mtr with plastic yellow safety seal with pull marked on it, Warranty 5 year. (Make Kanex / Safe Guard / Getech) Capacity - Capacity 6 Kg.	Each	3.00		
4	NS	5Kg Automatic ceiling mounted Fire Suppression Extinguisher Direct Low Pressure, Dupont™ Clean Agent FE 36 Zero ODP, Stored Pressure Type, fitted with Pressure Gauge, Discharge Time 32 Seconds approx, Applicable on class A, B, C and electrically	Each	4.00		

		started fires, With suitable support (UPS ROOM) - For Below Ceiling Level (Make Kanex / Safe Guard / Getech)				
		EXIT SIGNAGES				
1	NS	Providing and fixing signages printed on photoluminescent U1000 aluminium sheet of 1.0 mm (+-10%) containing Lumigen II as base chemical, covered under UV stablized coating and of appropriate size (Glo-lite or eq. Make) including fixing on wall, door, ceiling etc. with proper clamps, hangers, cleats, anchor fasteners etc. complete in all respects as directed by Engineer-in-charge	Square inch	212.00		
2	NS	Supplying and fixing Stainless Steel -IS:3444 Grade-1 single headed internal/ external hydrant valve with instantaneous Stainless Steel couplings of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type - A) with blank Gunmetal cap and chain as required.	Each	2.00		
3	18.16.0	Supplying and fixing 63 mm dia, 15 mtr. long Aqua Dura RRL hose pipe with 63 mm dia Male and Female Stainless Steel-IS:3444 Grade-1 couplings duly binded with GI wire, rivets etc. conforming to IS 636 /903 (Type - A) as required.	Each	4.00		
4	NS	Supplying and fixing First-Aid Hose Reel with MS construction spray painted in Post office Red, cinforming to IS 884 with upto date amendments, complete with the following as required.				
5	NS	30 m. long 20 mm (nominal internal) dia water hose rubber as per IS: 444 marked.				
6	NS	20 mm (nominal internal) dia gun metal globe valve & nozzle.				
7	NS	Drum and brackets for fixing the equipmets on wall.				
8	NS	Connections from riser with 25 mm dia stop valve (gun metal) & M.S. Pipe.	Set	1.00		
9	NS	Supplying & fixing 63 mm dia Stainless Steel IS: 3444 Grade-1 branch pipe with 20 mm (nominal internal diameter) size S.S nozzle conforming to IS 903, suitable for instantaneous connection to interconnect hose pipe coupling as required.	Each	2.00		

10	4201	Supplying and fixing of hose cabinet shutter of size 900 mm x 2100 mm, door frame made of 2 mm thick MS sheet and 40x40x5 MS angle with 6 mm thick glazed glass doors i/c 'necessary locking arrangement , as required.	Each	2.00		
11	NS	Supplying and fixing of hose cabinet of size 750 mm x 600 mm x 250 mm made of 2 mm thick MS sheet with 6 mm thick glazed glass doors i/c 'necessary locking arrangement suitable to accommodate external hydrant with butterfly valve, 2 Nos. 15 mtr. long Hose pipe, 1 No. branch pipe, mounted on wall OR raised brick platform & duly painted with Post office red externally and white internally with synthetic enamel paint complete in all respect, for external hydrant, as required.	Each	2.00		
12	NS	Flow switches suitable for fixing in 50mm to 150mm dia, complete with all accessories to provide indication in annunciator panel.	Each	2.00		
		Total Fire Fighting				
C		Electrical work, EPABX, LAN, IT & Access Control System				
		POINT WIRING AND ACCESSORIES				
1	1.10.	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.				
a	1.10.2	Group B	Nos	105.00		
2	1.12	Wiring for power plug with 2X4 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	510.00		
3	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed Heavy class PVC conduit as required.				
a	1.14.1	2X 1.5 sq. mm + 1 X 1.5sq. mm earth wire	Mtr			

				1,000.00		
b	1.14.2	2 X 2.5 sq. mm + 1 X 2.5sq. mm earth wire	Mtr	800.00		
c	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	Mtr	20.00		
d	1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	Mtr	35.00		
4	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2x6 pin 5/6 amps modular socket outlet and 5/6 amps modular switch , connection etc. as required.	Nos	203.00		
5	1.32/NS	Supply and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25A modular socket outlet and 25 Amps modular SP MCB "C" curve including connection etc. as required.	Nos	17.00		
		MCCB, MCB & DB'S				
1	2.4	Supplying & fixing following way prewired TP&N MCB distributionboard of steel sheet for 415 volts on surface/ recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FRLS PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator).				
	2.4.3	8 way (4+24), Double door	Nos	8.00		
2	2	MCCB DB VERTICAL TYPE enclosure box with 160 A MCCB 25KA 415 3P with out put mcb's 63 A FP x 7 Nos and 40 FP x 4 Nos with all accessories i.e neutral link, earthing link ,busbars, teminal blocks etc. Make ABB/SE/Havells	Nos	1.00		
3	2.15	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB complete with connections, testing and commissioning etc. as required.				
	2.15.2	40 amps	Nos	10.00		
a	2.15.3	63 amps	Nos			

				16.00		
4		S/F 'C' Curve , SP MCB : Supplying and fixing 5 amps to 32 amps, rating, 240/415 volts, 'C' Curve , miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	2.10.1	Single Pole	Nos	168.00		
5	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB) , having a sensitivity current upto 30 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a	2.14.3	63 amps.	Nos	7.00		
6	NS	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Nos	20.00		
LIGHT FIXTURES & FAN						
<u>Recessed/Surface Mounted Downlighter :</u>						
1	NS	Supply and fixing of 36 Watt to 45 Watt (2x2 " Panel Light) indoor up-down light LED cristic Fitting for Ceiling having Powder coated die cast aluminium housing body with extended heat sink and diffuser of Special Polycarbonate meterial and driver set complete in all respect.	Nos	91.00		
CONDUITING & CABLING FOR TELEPHONE TV SYSTEM						
TELEPHONE & LAN SYSTEM :						
1	1.20.	Supply and fixing of following sizes of ISI marked medium duty PVC conduit alongwith the accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of conduit in recessed as required.				
	1.20.1	20 mm dia	Nos	150.00		
	1.20.2	25 mm dia	Nos	450.00		

	1.20.3	32mm dia	Nos	200.00		
2	1.24.6	Supplying and fixing following modular Two socket on the existing modular plate & switch box including connections testing .but excluding modular plate etc. as required.				
	1.24.6	Data socket outlet (RJ-45)	Nos	74.00		
	1.24.6	Telephone socket outlet (RJ-11)	Nos	56.00		
3	1.21.1	Supplying and fixing following size / modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
		1 or 2 Module (75mm X 75mm)	Nos	130.00		
4	1.18.3	Supplying, drawing and connection ,testing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed PVC heavy duty conduit as required.	Nos	5,000.00		
		TOTAL OF "ELECTRICAL"				
D		Heating, Ventilation and Air Conditioning (HVAC) work				
		GROUP "A" (Supply of Equipments)				
1	NS	Supply Installation Testing and Comminissing of VARIABLE REFRIGERANT FLOW Outdoor units comprising of FULL INVERTER SCROLL Compressors (All Compressors to be Scroll Type & DC Inverter), Heat Pump Type suitable for Eco Friendly R-410 refrigerant, Variable Speed Condenser fan motor, Air Cooled Condenser with hydrophilic coating, etc. of the following capacities each				
		The actual capacity of Outdoor units at 43.3 deg C Ambient Temperature and 23+/-1 deg C Indoor temperature should be as under:				
		Capacity - 24HP (12+12) HP	Nos	1.00		
2	NS	Supply Installation Testing and Comminissing of INDOOR UNITS comprising of multi row deep DX evaporator coil, DIDW Centrifugal blower, electronic expansion device, etc. of the following capacities				

a		4 Way Flow CASSETTE INDOOR UNITS (with Grill)				
		Capacity - 3.5 TR	Nos	1.00		
		Capacity - 2 TR	Nos	8.00		
3	NS	Supply, installation, testing & commissioning of Y- Joints (Refnuts in Pair) duly insulated - Indoor units	Nos	10.00		
4	NS	Supply, installation, testing & commissioning of Y- Joints (Refnuts in Pair) duly insulated - Outdoor units	Nos	10.00		
5	NS	Cordless Remotes	Nos	9.00		
		TOTAL OF "A"				
		GROUP "B" (Low Side Work)				
1	NS	Supply, installation, testing and commissioning of Interconnecting refrigerant pipe work for VRF System with (19mm / 13mm thick) closed cell elastomeric nitrile rubber tubular insulation between indoor & outdoor units as per specifications, all piping inside the room shall be properly supported.				
		34.9 mm OD	RM	40.00		
		28.6 mm OD	RM	42.00		
		22.2 mm OD	RM	20.00		
		19.1 mm OD	RM	25.00		
		15.9 mm OD	RM	30.00		
		12.7 mm OD	RM	30.00		
		9.5 mm OD	RM	25.00		
		6.4 mm OD	RM	40.00		
2	NS	Supply, installation, testing, termination and commissioning of control cum transmission wiring between indoor unit and out door unit in PVC Conduits.	Rmt	350.00		

3	NS	Supply and Installation of Hard uPVC Drain pipes (Suitable for 10 Kg/cm ² Water Pressure) with fittings such as reducer, Tee, Socket, Elbow & duly insulated with Nitrile Rubber insulation				
		25 mm dia x 6 mm Nitrile Insulation	Rmt	60.00		
		32 mm dia x 9 mm Nitrile Insulation	Rmt	50.00		
		40 mm dia x 9 mm Nitrile Insulation	Rmt	30.00		
		50 mm dia x 9 mm Nitrile Insulation	Rmt	RO		
4	NS	Refrigerant Gas Charging (R 410 A) as per liquid line length.(VRV)	Kg	50.00		
5	NS	MS Heavy Stands for VRF Outdoor & Ductable ODU units constructed out of MS Channels duly enamel painted and with anti vibration pads	Nos	2.00		
6	NS	16 G GI Perforated Cable Trays with plain top cover (for copper piping running on open Area)				
		75 x 300 x 75 mm with top cover of 15 x 300 x 15 mm	Rmt	50.00		
		75 x 200 x 75 mm with top cover of 15 x 200 x 15 mm	Rmt	70.00		
7	NS	Supply and installation of perforated GI channel of 50 mm treading rod including fastener ,nuts,bolts and other accessories	Kg	200.00		
		TOTAL OF "B"				
				GRAND TOTAL (A+B)		
E		FIRE DETECTION SYSTEM				
1	17.2.1.2	Supply, Installation, testing and commissioning of Microprocessor based 2 Loop analogue addressable type fire alarm control panel with 80 character LCD display four access levels 500 event historcal logging.	Nos	1.00		
2	17.1.10	Supply, Installation, testing and commissioning of Power Supply Unit for above detector 230 V AC to 24 V DC 3 Amp. Power Supply should be with 24 hour	Nos	1.00		
3	NS	Supply, Installation, testing and commissioning of 25 mm dia CPVC pipe for Aspiration detectors complete in all respect as required.	Mtr.	24.00		
4	17.1.2	Supply, Installation, testing and commissioning of Analoge addressable Photoelectric Smoke detector with mounting based LED, Address	Nos	60.00		

		Switch to programme the detectors from 01-99, with BASE complete as required.				
5	NS	Supply, Installation, testing and commissioning of 2C x 1.5 sq.mm armoured cable	Mtr	500.00		
6	17.1.4	Supply, Installation, testing and commissioning of Addressable Manual Call Point (Break Glass), Address Switch to programme the Manual Pull Station from 01- 99, complete as required as per specifications..	Nos	2.00		
7	17.1.7	Supply, Installation, testing and commissioning of Hooter cum Flasher	Nos	2.00		
8	17.2.10	Supply, Installation, testing and commissioning of Addressable control module for Hooter, Address Switch to programme the modules from 01- 99, complete as required as per specifications.	Nos	2.00		
9	NS	Supply, Installation, testing and commissioning of Addressable relay module for Cross Zoning, Address Switch to programme the modules from 01- 99, complete as required as per specifications.	Nos	2.00		
				Total		
F		UPS SYSTEM				
1	MR	UPS for Emergency Lighting & Security Systems				
		Supply, Installation, testing & commissioning of IGBT Rectifier based, micro processor controlled True On line double conversion 1 phase input and 1 phase output 20 KVA UPS consisting of following:				
		1 No. UPS module with integrated 100% rectifier + inverter.				
		Battery Circuit breaker for UPS module in CRCA housing with all required fixing accessories & hardware.				
		In-built static switch for bypass & inverter in UPS module.				
		In-built Manual maintenance bypass.				
		Interconnecting copper cabling (DC cabling) between UPS, Active filter, Battery breaker & Batteries of required length and size.				
		OC Web card for web enabling with an inbuilt facility of event logging.				
		Sealed maintenance free batteries for 20 KVA UPS with 90 mins. backup time on UPS module with inerconnectors, Rack and accessories. Rack shall have shrouds for safety from live battery terminals.				

		Suitable MS stand of 450mm high for UPS module duly painted.				
		RAM module with UPS and Cat 5 cable for RAM connectivity.				
		Charger Capacity 120%				
		20 KVA UPS described above.	Nos.	1.00		
		Notes:				
a.		Base frames for UPS and batteries up to the height of the raised floor to be considered.				
b		Quoted prices to include cost of equipment including Packing, Forwarding charges, Transport Charges, Transit insurance, loading etc.				
c		Quoted price to include cost of supervision, installation and commissioning of above UPS systems				
				Total		
G		GRAPHICS/ SIGNAGES				
1	NS	Providing and fixing of graphics/Signages (including printing of direction, entry, exit, department name etc.) with self-glowing signs 12"x6" as per specification and direction of Engineer-in-Charge.	sqm	5.00		
2	NS	Providing and fixing of graphics/Signages (including printing of direction, entry, exit, department name etc.) with backlit/ SS Plate signs 12"x6" as per specification and direction of Engineer-in-Charge.	sqm	5.00		
3	NS	Providing & fixing of flex/ film with color printing on Glass/ partition/ wall as per specifications and direction of EIC/ Architect complete.	sqft	100.00		
4	NS	Providing & fixing of SS backlit logo on wall/ partition as per specifications and direction of EIC/ Architect complete.	sqm	2.00		
				Total		
		GRAND TOTAL OF SCHEDULE-A (A+B+C+D+E+F+G)				



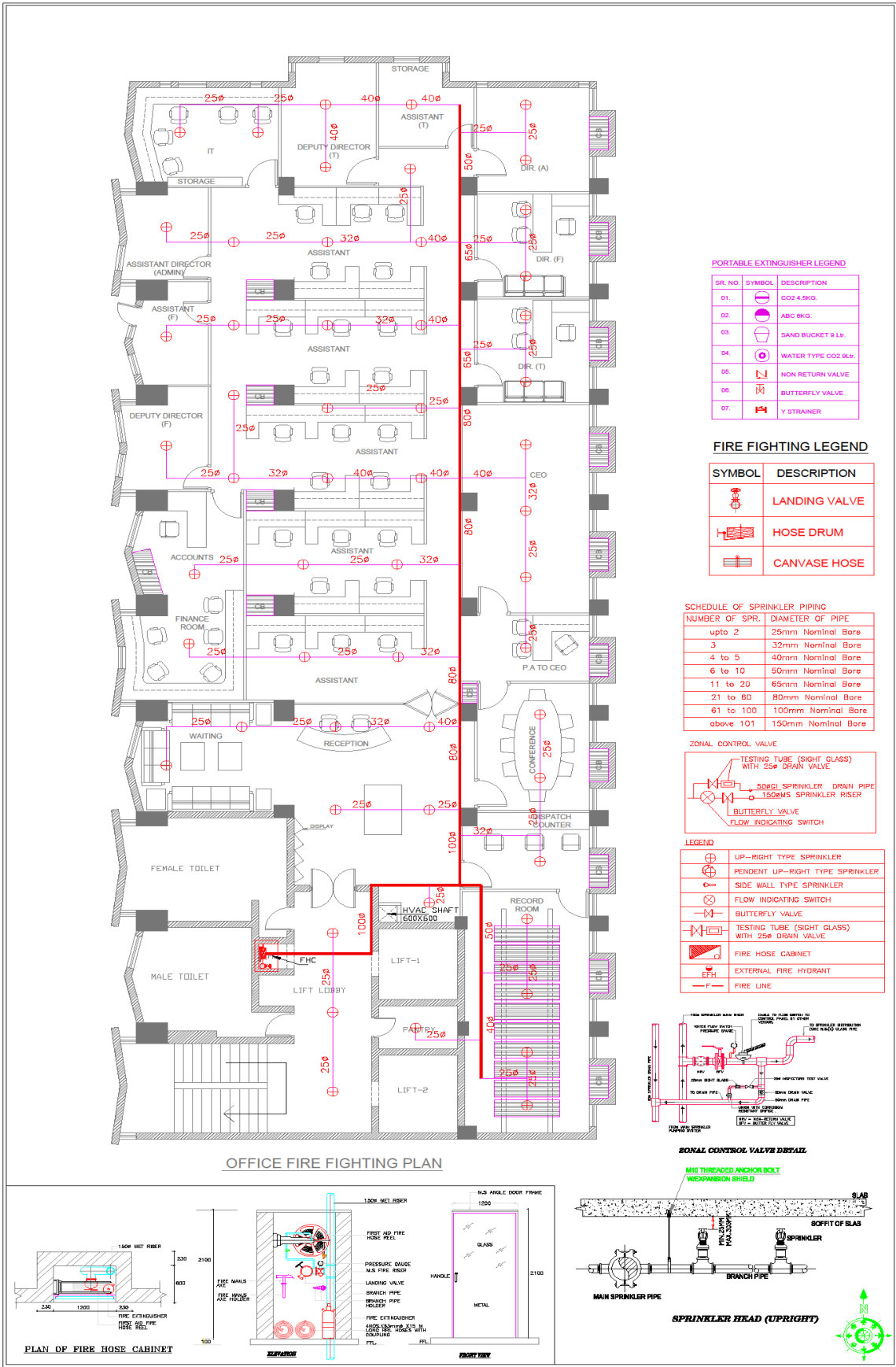
LEGEND	DESCRIPTION	MOUNTING HEIGHT(MM)
	ONE WAY SWITCH	F.F.L@1050
	AC SWITCH 32 AMP DP	F.F.L@1050
	30W LED FIXTURE (NORMAL)	IN CEILING
	30W LED FIXTURE (EMERGENCY)	IN CEILING
	EXHAUST FAN	F.F.L@2250
	25A POWER POINTS TN SWITCH SOCKET FOR UPS POWER	F.F.L@300
	25A POWER POINT 6 PIN SWITCH SOCKET RAW POWER	F.F.L@300
	16A POWER POINT FOR SERVER	F.F.L@300
	16A POWER POINT	F.F.L@300
	25A RAW POWER AC POINT	F.F.L@2250
	VOICE OUTLET	F.F.L@300
	DATA OUTLET	F.F.L@300
	TELEVISION	F.F.L@300 (AS PER SITE)
	DISTRIBUTION BOARD	F.F.L@1500

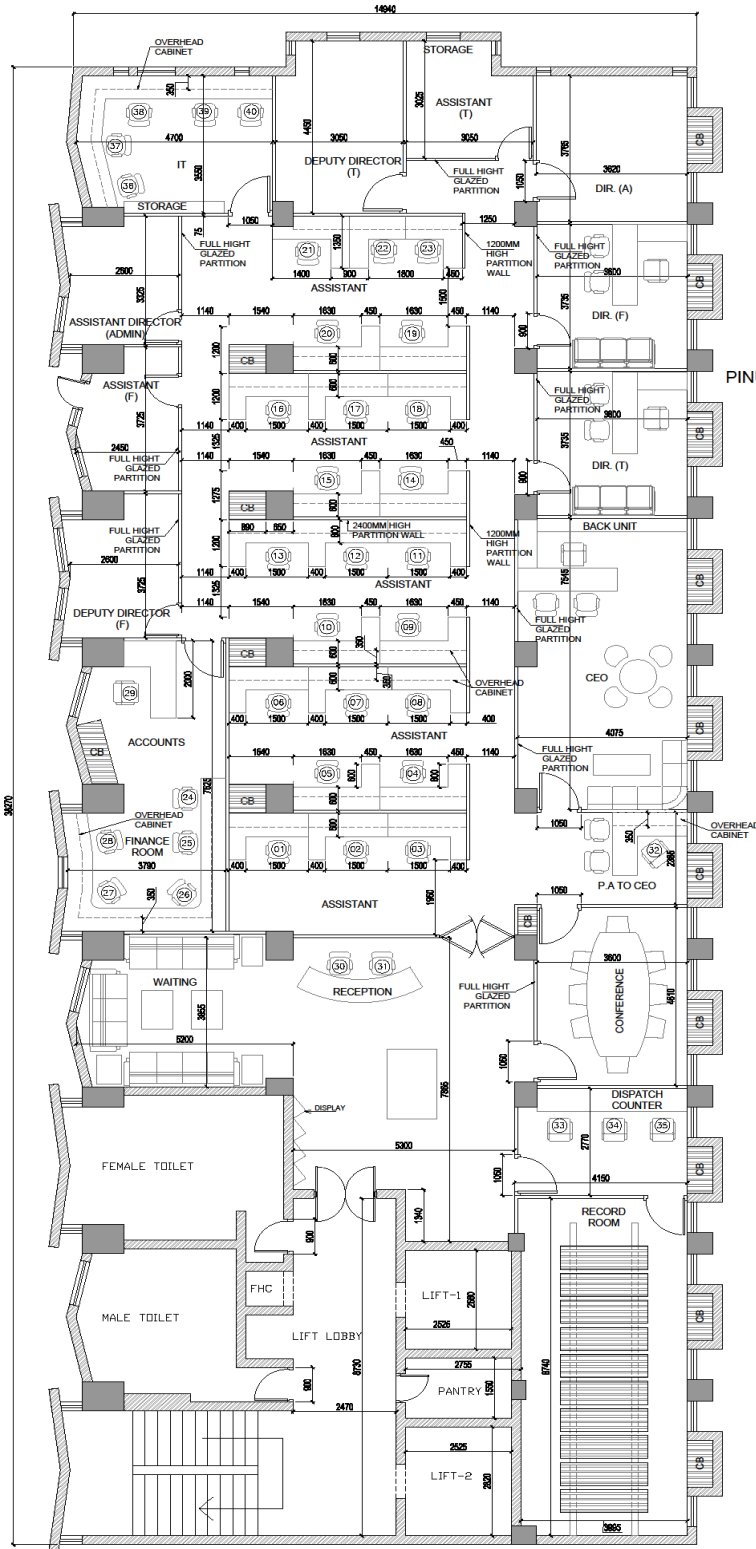
OFFICE ELECTRICAL PLAN

DATE:-26-02-2024

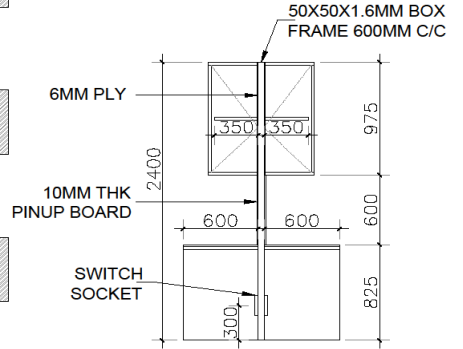




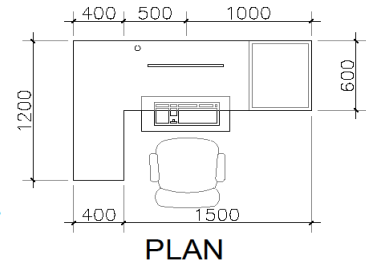




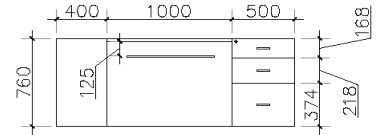
OFFICE PLAN



PARTITION SECTION

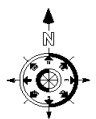


PLAN

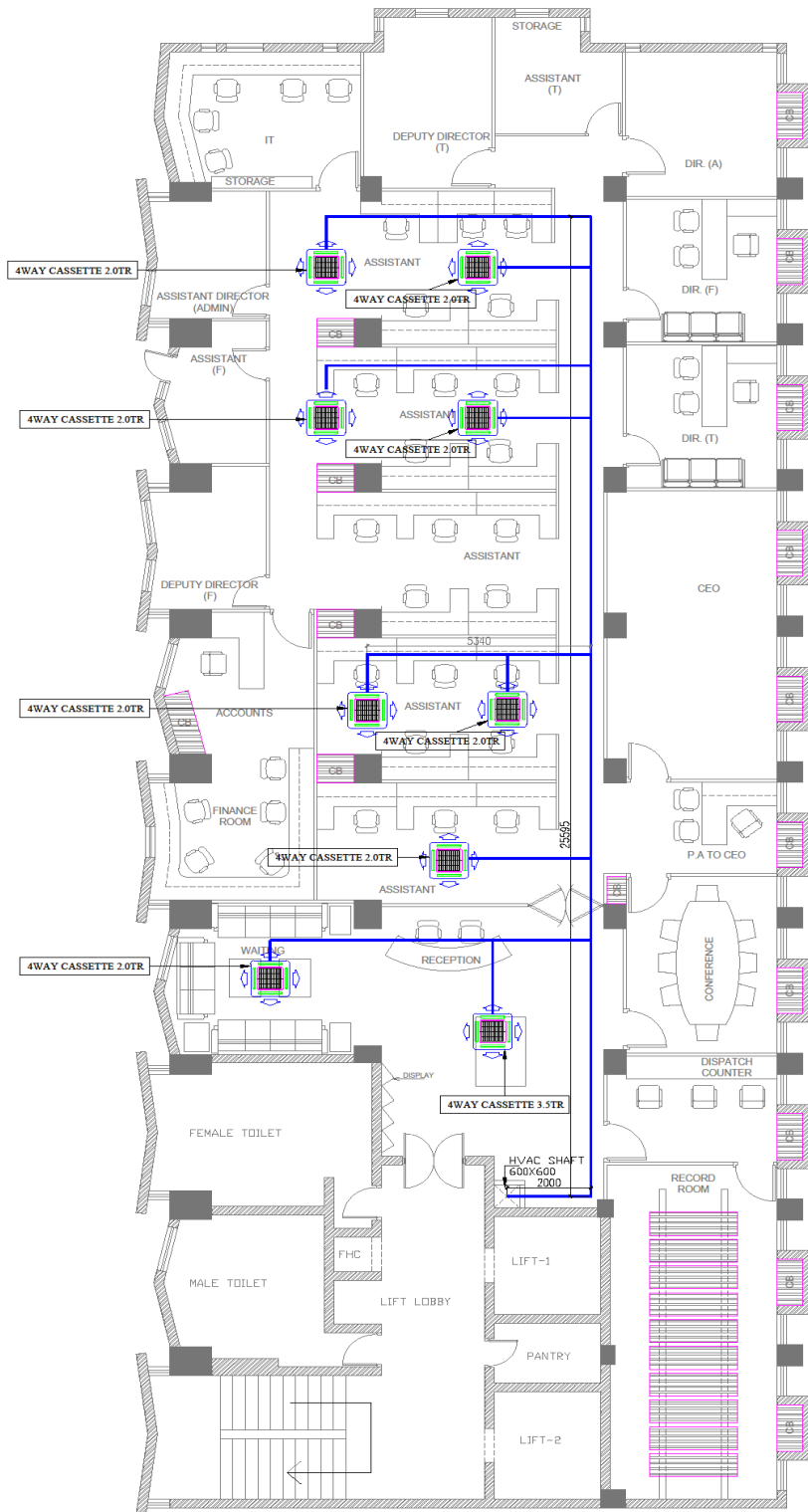


ELEVATION

SN.	NAME	AREA SQFT
1	OFFICE	4928
2	FEMALE TOILET	205
3	MALE TOILET	158
4	STAIRCASE	190
5	LIFT LOBBY	256
6	LIFT-1	70
7	LIFT-2	76
8	PANTRY	42
TOTAL AREA		5925



DATE:-15-01-2024



OFFICE HVAC PLAN

DATE:-15.01.2024



