NOTICE INVITING E-TENDER

N.I.T. No. : 19/NIT/FHQ/BSF/26-27.

Name of Work : Improvement and upgradation of lift lobby Room No 305 306 chanakya lab and corridor from common lift towards offices of SDG(HR) at 3rd floor of Block no 10 CGO complex under FHQ BSF New Delhi.

Estimated Cost : **₹ 4939789/-**Only

(₹ 42,30,159/- (Civil works) + ₹7,09,630/ (Elect works))

Earnest Money : **₹ 98,796/-**

Time allowed : 60 Days

Certified that this N.I.T. amounting to **₹ 4939789/-** (Rupees Forty Nine lakh Thirty Nine thousand Seven hundred Eighty Nine.) only contains 115 pages only, in chronological order.

AC (Works)
FHQ BSF New Delhi.

AC (Elect)
FHQ BSF New Delhi.

APPROVED / NOT APPROVED

2IC (Works)
FHQ BSF New Delhi

INDEX

S. No.	DESCRIPTION	PAGE NO.
1)	NIT approval (Front page)	01
2)	Index	02
	PART – A	03
3)	Press Notice (Notice Inviting e- tenders)	04
4)	Information and instructions for bidders for e-tendering forming part of bid document and to be uploaded on e-tenders web site.	05-07
5)	Format for receipt of deposition of original EMD (Form-A)	08
6)	CPWD-6 for e-tendering	09-16
7)	Percentage Rate Tender and Contract of Work (Form CPWD-7)	17-18
8)	Integrity Pact	19-20
9)	Form of bank guarantee for earnest money deposit /performance guarantee/security deposit/mobilization advance	21-22
10)	Form of Earnest Money (Bank Guarantee)	23
11)	Form of Performance Security (Guarantee) Bank Guarantee Bond	24-25
12)	Proforma for Integrity Agreement	26-31
13)	Guarantee bond to be executed by contractors for removal of defects after completion in respect of water proofing works.	32-33
	PART – B (Major Component)	34
14)	Proforma of schedules (A to F)	35-41
15)	General conditions	42-49
16)	Special conditions for cement & Steel	50-55
17)	Additional Conditions	56-57
18)	General Specifications	58-59
19)	Particular Specifications (civil works) & Special conditions	60-61
20)	List of testing Equipment to be provided by the contractor at site	62-63
21)	List of approved manufactures /suppliers (General)	64-67
	PART – C (Minor Component)	68
22)	Proforma of Schedules –(A to F)	69-74
23)	Clause 10 – A & 18 (Annexure)	75
24)	Proforma for Associating Agency for E & M Works (Proforma-A)	76
25)	Special Conditions (for all E & M component)	77-78
26)	Form- G Consent Letter from Associated agency for E&M works	79
27)	Form –H (Proforma for eligible associating agencies for minor components of work)	80
28)	Form- I (Memorandum of Understanding)	81
29)	Willingness Certificate	82
30)	General Terms and Conditions & Special conditions for Electrical installation	83-92
31)	Form of supplementary Agreement	93-94
32)	Building Drawing and Specifications	95
33)	Compliance to make in India policy	96
34)	List of approved makes to be incorporated in tender documents (E&M works)	97-106
35)	Proforma for quoting the rates	107
36)	Schedule of Quantity for Civil works & Electrical Works	108-115

PART- A

Press Notice (Notice Inviting e-tender)

The 2IC (Works), FHQ BSF New Delhi on behalf of the President of India invites online **Percentage rate** tenders from approved and eligible contractors of CPWD and non- CPWD contractors (i.e. State PWD / MES / BSNL / Railways) for the following work :-

S. No	NIT No.	Name of work	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of online submission of bid, original EMD, copy of receipt or deposition of original EMD and other documents as specified in the Press Notice	Time and date of opening of tender
1	19/NIT/FHQ/BSF/26-27.	Improvement and upgradation of lift lobby Room No 305-306 chanakya lab and corridor from common lift towards offices of SDG(HR) at 3rd floor of Block no 10 CGO complex under FHQ BSF New Delhi.	₹ 4939789/-	₹ 98,796/-	60 Days	18/05/2026 Upto 1130 Hrs	19/05/2026 at 1530 Hrs

The tender forms and other details can be obtained from the web site www.eprocure.gov.in and www.bsf.gov.in .

Information and Instruction for Bidders for e-Tendering forming part of Bid Document and to be uploaded on e-Tenders Web Site.

The 2IC (Works), FHQ BSF New Delhi, invites, on behalf of President of India, **on line percentage rate tenders** from approved and eligible contractors of CPWD and non- CPWD contractors (i.e. State PWD / MES / BSNL/ Railways) for the following work mentioned below:-

S. No	NIT No.	Name of work	Estimated cost put to tender	Earnest Money	Period of Completion	Last date & time of online submission of bid, original EMD, copy of receipt or deposition of original EMD and other documents as specified in the Press Notice	Time and date of opening of tender
1	19/NIT/FHQ/BSF/26-27.	**Improvement and upgradation of lift lobby Room No 305 306 chanakya lab and corridor from common lift towards offices of SDG(HR) at 3rd floor of Block no 10 CGO complex under FHQ BSF New Delhi.**	**₹ 4939789/-**	**₹ 98,796/-**	60 Days	18/05/2026 Upto 1130 Hrs	19/05/2026 at 1530 Hrs

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.

2. Information and Instructions for bidders posted on website shall form part of bid document.

3. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of contract to be complied with and other necessary documents can be seen and downloaded from website www.eprocure.gov.in free of cost.

4. Those contractors not registered on the website (e-tendering portal) are required to get registered beforehand. If needed they can be imparted training on online tendering process as per the details available on the website.

5. The intending bidder must have valid class-III digital signature certificate to submit the bid.

6. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets.

7. Contractor can upload documents in the form of JPG and PDF format.

8. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

9. The EMD can be paid in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee including e- Bank Guarantee from any of the Commercial Banks. The intending bidder has to fill all the details such as Banker's name, Demand Draft/Fixed Deposit Receipt/ Banker's Cheque / Bank Guarantee number, amount and date.

10. It is mandatory to upload scanned copies of all the documents including GST Registration as stipulated in the bid document. If such document is not uploaded the bid will become invalid.

11. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the contractor, the bid shall become invalid.

12. <u>List of documents to be scanned and uploaded within the period of bid submission</u>:-

    a) Enlistment order of the contractor.

    b) Copy of Electrical License of eligible class of the bidder.

    In case, bidder does not have electrical licence, he shall scan and upload following undertaking along with bid documents,

    "I/We will either obtain valid electrical licence at the time of award of work or associate contractor having valid electrical licence of eligible class. Before award of the work, the L-1 bidder will submit the electrical licence or MoU with the other appropriate electrical licence holder firm within week time, failing which the work may not be accepted".

    c) Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, ~~Banker's Cheque~~ or Bank Guarantee including e-Bank Guarantee from any of the Commercial Banks (drawn in favour Of DDO, ADM-III FHQ BSF New Delhi shall be scanned and uploaded on the e-Tendering website within the period of bid submission

d) Copy of receipt for deposition of original EMD issued from DDO / **Engg Officer** of any BSF Establishment (i.e. Command HQ / Frontier HQ / Sector HQ / Training Centre/ Bn HQ).

e) Contact details of the contractor in his letterhead mentioning following details:
   (i) Mailing Address
   (ii) Contact Phone / Mobile No.
   (iii) E-Mail ID.

f) **GST registration certificate**, if already obtained by the bidder. If the bidder has not obtained GST registration as applicable, then he shall scan and upload following undertaking along with bid documents.

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

g) PAN Card.

h) EPF & ESIC Registration Certificate along with EPF & ESIC up to date filled return. (Payment Receipt of last month).

i) **Certificates of Work Experience** :

Completion certificate issued by Officer of the rank of Executive Engineer or the equivalent in support of execution of **similar works** in case of registration with CPWD as well as other than CPWD Dept.

The completion certificate should include the name of work, agreement No., estimated cost, tendered / awarded cost, stipulated date of start, completion cost of work and actual date of completion of work etc.

j) **To become eligible for issue of bid, the bidders shall have to furnish an affidavit (Rs.100) as under** :- (**as per Para 1.2.2 of SOP for CPWD Works Manual 2024**)

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

k) Integrity Pact / Certificate.

Note: If the above-mentioned documents are not scanned and uploaded within the period of bid submission the bid shall be treated as invalid and cancelled.

FORM-A

FORMAT FOR DEPOSITING EARNEST MONEY

Receipt of Deposition of Original EMD

Receipt No..... Date.....

1.	Name of work	IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.
2.	NIT No	19/NIT/FHQ/BSF/26-27.
3.	Estimated Cost	**₹ 4939789/-**
4.	Amount of EMD	**₹ 98,796/-**
5.	Last date of submission of bid	18/05/2026 upto 1130 Hrs

 # To be filled by EMD receiving officer

1.	Name of contractor #	
2.	Form/shape of EMD No & Date #	
3.	Amount EMD Deposit#	
4.	Date of submission of EMD#	

Signature, Name and Designation
of EMD receiving officer along with office stamp

CPWD-6 FOR E-TENDERING

1. Percentage rate bids are invited on behalf of President of India from approved and eligible contractors of CPWD and those of appropriate list of State P.W.D / M.E.S / P & T (BSNL) / Railways) for the work of :-

IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.

The enlistment of the contractors should be valid on the last date of submission of bids.

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

1.1 The work is estimated to cost **₹ 4939789/-**/- ((₹ 42,30,159/- (Civil works) + ₹ 7,09,630/- (Elect works)). This estimate, however, is given merely as a rough guide.

~~1.1.1 The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal with all matters relating to the invitation of bids. For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.~~

1.2 Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having satisfactorily completed similar works of magnitude specified below:-

Criteria of eligibility for submission of bid documents

1.2.1 **Criteria of eligibility for CPWD as well as non-CPWD Contractors**:-

Three similar works each of value not less than **Rs. 14,81,937/-** or two similar works each of value not less than **Rs. 29,63,873/-** or one similar work of value not less than **Rs. 39,51,831/-** (all figures rounded to nearest convenient figure) during the last 7 years ending last day of the month previous to the one in which tenders are invited.

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

To become eligible for issue of bid, the bidders shall have to furnish an affidavit as under:-

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

2. Agreement shall be drawn with the successful bidders on prescribed Form No. CPWD 7/ ~~8~~ (or other Standard Form as mentioned) which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3. The time allowed for carrying out the work will be 60 Days from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.

4. (i) The site for the work is available.

or

The site for the work shall be made available in parts as specified below:-
.....

5. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website www.eprocure.gov.in free of cost.

6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.

7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.

8. Earnest Money in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, ~~Banker's Cheque or~~ Bank Guarantee including e-

Bank Guarantee from any of the Commercial Banks (**drawn in favour of DDO, ADM-III FHQ BSF New Delhi**) shall be scanned and uploaded on the e-Tendering website within the period of bid submission. The original EMD should be deposited along with prescribed format mentioned in Form-A of NIT to any of BSF DDO / Engg Officer i.e. **Command HQ / Frontier HQ / Sector HQ / Training Centre/ Bn HQ BSF** before last date & time of submission of bid. The EMD receiving authority (**DDO / Engg Officer**) of any BSF establishment **i.e. Command HQ / Frontier HQ / Sector HQ / Training Centre/ Bn HQ BSF** shall examine EMD in original form and issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (**as per enclosed Form-A**) uploaded by tender inviting authority in the NIT. The authority receiving original EMD also intimates tender inviting authority about deposition of EMD by the agency.

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

8.2 The earnest money given by all the tenderers except the lowest tenderer shall be refunded immediately after the expiry of stipulated bid validity period or after opening of financial bid subsequent to receipt of intimation by the tender inviting authority after acceptance of the successful bidder, whichever is earlier.

8.3 Copy of Enlistment Order and certificate of work experience and other documents as specified in the notice inviting e- tender shall be scanned and uploaded on the e- Tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in e- tender notice shall have to be submitted by the lowest bidder within a week physically in the office of tender opening authority. Online bid documents submitted by intending bidders shall be opened only of those bidders, who has deposited EMD with any BSF Establishment and other documents scanned and uploaded are found in order.

9. **The bid submitted shall be opened at 1130 Hrs on 18/05/2026.**

10. The bid submitted shall become invalid and e-Tender processing fee (if applicable) shall not be refunded if:

(i) The bidder is found ineligible.

(ii) The bidder does not upload scanned copies of all the documents stipulated in the bid document.

(iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest bidder in the office of bid opening authority.

(iv) If a tenderer quotes nil rates against each item in item rate tender or does not quote any percentage above/below on the total amount of the tender or any section / sub head in percentage rate tender, the tender shall be treated as invalid and will not be considered as lowest tenderer.

11. The contractor whose bid is accepted will be required to furnish performance guarantee at specified percentage of the tendered amount as mentioned in schedule E and within the period specified in Schedule F. This guarantee shall be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any of the Commercial Banks in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable licenses / registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. If applicable and also ensure the compliance of aforesaid provisions by the sub-contractors, if any engaged by the contractor for the said work within the period specified in Schedule F.

12. The description of the work is as follows:

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

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.

15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to bid for works in the BSF responsible for award and execution of contracts, in which his near relative is posted a Senior Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the BSF or in the Ministry of Home Affairs. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted Rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.

18. The bids for the work shall remain open for acceptance for a period of 30 (thirty) days from the date of opening of bids in case of single bid system and **75 (seventy five) days from the date of opening of technical bids** in case bids are invited in 2 or 3 bid system. Further

(i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(ii) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department after expiry of 7 days after last date of submission of bids, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 100% of the earnest money absolutely irrespective of letter of acceptance for the work is issued or not.

(iii) In case of forfeiture of earnest money as prescribed in Para (i) and (ii) above, the bidders shall not be allowed to participate in the rebidding process of the same work.

19. This notice inviting Bid shall form a part of the contract document. The successful bidder/ contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

(a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

(b) Standard C.P.W.D. Form 7/8 or other Standard C.P.W.D. Form as applicable.

20. <u>For Composite Bids :</u>

19.1.1 2IC (Works) BSF in charge of the major component will call bids for the composite work. The cost of bid document and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite bid.

19.1.2 The bid document will include following three components:

Part A:- CPWD-6, CPWD-7/8 including schedule A to F for the major component of the work, Standard General Conditions of Contract for CPWD 2014 as amended/ modified up to date.

Part B:- General / specific conditions, specifications and schedule of quantities applicable to major component of the work.

Part C:- Schedule A to F for minor component of the work (competent authority under clause 2 and clause 5 shall be same authority as mentioned in schedule A to F for major components), General/specific conditions, specifications and schedule of quantities applicable to minor component(s) of the work.

19.1.3 The eligible tenderers quote rates for various items of major as well as minor components of work. The lowest tenderer is decided based on quoted rates in respect of all the schedules attached in tender documents. It will be obligatory on the part of the contractor to sign the tender documents for all the components (Major and minor components).

19.1.4 Acceptance of the tender will be done by the NIT approving authority within his powers to accept tenders. After the work is awarded, the contractor has signed the agreement and one set of agreement will be

handed over to concerned officer of minor component for carrying out execution of work.

19.1.5 Running payment for the major component will be made by Engineer-in-Charge of major component to the main contractor. Similarly, running payment for minor components shall be made by the Engineer-In-Charge of minor components directly to contractor. But the progressive expenditure statement must include the major as well as minor components up to date expenditure.

19.1.6 Supervision of various components of works will be carried out by concerned wings of the department under the overall co-ordination of the IG (Works) or any other officer as notified by the department from time to time.

19.1.7 Levy of Compensation under Clause 2, if any, will be decided by the SE or any other officer as notified by department from time to time. The amount to be withheld under Clause 5 of the contract will be decided by the Engineer-in-Charge of the respective component.

19.1.8 The composite work is treated as complete when all the components (i.e major and minor) of the work are complete. The completion certificate of the composite work will be recorded and signed by Engineer-In-charge of major component as well as minor component.

19.1.9 Arbitration case / Court case, if any, shall be handled by the Engineer-in-Charge of the major component or any other officer as notified by Department from time to time along with the support of Engineer-in-Charge of the minor components.

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For and on behalf of President of India
2IC (Works)

CPWD-7

GOVERNMENT OF INDIA
BORDER SECURITY FORCE

Percentage Rate Tender & Contract for Works

Tender for the work of:- **IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.**

TENDER

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

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule „F" viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for a period of **75 (seventy five) days from the date of opening of technical bid** in case tenders are invited on 2 /3 bid/ system for specialised work and not to make any modification in its terms and conditions.

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

A copy of earnest money deposit receipt of prescribed amount deposited in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee (as prescribed) issued by a Commercial Bank, is scanned and uploaded (strike out as the case may be). If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said President of India or his successors, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/ We agree that President of India or the successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said performance guarantee absolutely. The said Performance Guarantee shall

be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

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

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

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

Dated..... Signature of the contractor

Witness.....# Postal Address..... #
Address .....#
Occupation.....#

ACCEPTANCE

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

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

For & on behalf of the President of India Signature.....
Dated.....
Designation.....

* To be filled by the EE.
# To be filled by thecontractor.

INTEGRITY PACT

To

_____

_____

_____

_____

Subject :- NIT No. **19/NIT/FHQ BSF/26-27** for the work **IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.**

Dear Sir,

It is hereby declared that Border Security Force is committed to follow the principle of transparency, equity and competitiveness in public procurement/e-tendering.

The subject notice inviting tender (NIT) is an invitation to offer made on the condition that the bidder will sign the integrity Agreement, which is an integral part of tender/ bid documents, failing which the tenderer/ bidder will stand disqualified and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the Border Security Force.

Yours faithfully,

2IC (Works)
FHQ BSF New Delhi

To

The 2IC (Works),

FHQ BSF New Delhi

Sub :-Submission of tender for the work of "IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI."

Dear Sir,

I / We acknowledge that Border Security Force is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/ We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I / We will sign the enclosed integrity agreement, which is an integral part of tender documents, failing which I/ We will stand disqualified from the tendering process. I / We acknowledge that the making of the bid shall be regarded as an unconditional and absolute acceptance of this condition of the NIT.

I / We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/ bid is finally accepted by Border Security Force. I/ We acknowledge and accept the duration of Integrity Agreement, which shall be in the line with Article 1 of the enclosed Integrity Agreement.

I/ We acknowledge that in the event of my/ our failure to sign and accept the Integrity Agreement, while submitting the tender/ bid, Border Security Force shall have unqualified, absolute and unfettered right to disqualify the tenderer/ bidder and reject the tender/ bid in accordance with terms and conditions of the tender/ bid.

Yours faithfully,
Signatures of Contractor with seal and address

(to be signed by the bidder and same signatory competent / authorized to sign relevant contract on behalf of B.S.F.)

ON NON-JUDICIAL STAMP PAPER OF MINIMUM RS. 100

(Guarantee offered by Bank to BSF in connection with the execution of contracts) Form of Bank Guarantee for Earnest Money Deposit/Performance Guarantee/Security Deposit/ Mobilization Advance

1. Whereas the 2IC (Works) ..... (name of BSF Establishment) ....., BSF on behalf of the President of India (hereinafter called "The Government") has invited bids under .....(NIT number)..... dated ..... for ..... (name of work) ..... The Government has further agreed to accept irrevocable Bank Guarantee for Rs. ..... (Rupees.....only) valid upto ..... (date)*..... as Earnest Money Deposit from ..... (name and address of contractor) .....(hereinafter called "the contractor") for compliance of his obligations in accordance with the terms and conditions of the said NIT

OR**

Whereas the 2IC (Works) ..... (name of BSF Establishment) ....., BSF on behalf of the President of India (hereinafter called "The Government") has entered into an agreement bearing number ..... with .....(name and address of the contractor) ..... (hereinafter called "the Contractor") for execution of work ..... (Name of work) ..... The Government has further agreed to accept an irrevocable Bank Guarantee for Rs. ..... (Rupees ..... only) valid upto ..... (date) .....as Performance Guarantee/Security Deposit/Mobilization Advance from the said Contractor for compliance of his obligations in accordance with the terms and conditions of the agreement.

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

3. We, ...(indicate the name of the Bank)....., do here by undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Contractor. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. ..... (Rupees.....only)

4. We, ... (indicate the name of the Bank) ....., further undertake to pay the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor in any suit or proceeding pending before any Court or Tribunal, our liability under this Bank Guarantee being absolute and unequivocal. The payment so made by us under this

Bank Guarantee shall be a valid discharge of our liability for payment there under and the Contractor shall have no claim against us for making such payment.

5. We, ... (indicate the name of the Bank) ....., further agree that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligation here under to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said Contractor or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said Contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. We, ... (indicate the name of the Bank) ....., further agree that the Government at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor at the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee the Government may have in relation to the Contractor's liabilities.

7. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor.

8. We, ... (indicate the name of the Bank) ....., undertake not to revoke this guarantee except with the consent of the Government in writing.

9. This Bank Guarantee shall be valid up to ..... unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. ..... (Rupees ..... only) and unless a claim in writing is
lodged with us within the date of expiry or extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Date .....
Witnesses:

1. Signature.....
   Name and address
2. Signature .....
   seal Name and address

Authorized signatory
Name Designation Staff code no.
Bank

*Date to be worked out on the basis of validity period of 90 days where only financial bids are invited and 180 days for two/three bid system from the date of submission of tender.
**In paragraph 1, strike out the portion not applicable. Bank Guarantee will be made either for earnest money or for performance guarantee/security deposit/mobilization advance, as the case may be.

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor.....(Name of contractor) (hereinafter called "the contractor") has submitted his tender dated ..... (date) for the construction of ..... (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we ..... (name of bank) having our registered office at ..... (hereinafter called "the Bank") are bound unto ..... (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. ..... (Rs. in words .....) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this ..... day of ..... 20... .

THE CONDITIONS of this obligation are:

(1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;

(2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:

(a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required; OR

(b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,

We undertake to pay to the Engineer-in-Charge up to the above amount upon receipt of his first written demand, without the Engineer-in-Charge having to substantiates his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date*.....after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which 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)

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

FORM OF PERFORMANCE SECURITY (GUARANTEE) BANK

GUARANTEE BOND

1. In consideration of the President of India (hereinafter called "the Government") having agreed under the terms and conditions of agreement No.___dated_____made between_____and_____{hereinafter called "the said contractor(s)"} for the work _____ _____(hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs._____ (Rupees _____only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement,
   We _____
   (indicate the name of the Bank)
   (hereinafter referred to as "the Bank") hereby undertake to pay to the Government an amount not exceeding Rs.____/- (Rupees_____only) on demand by the Government.

2. We _____ do hereby undertake to
   (indicate the name of the Bank)

   pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor (s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs./-(Rupees_____only).

3. We, the said bank further undertake to pay to the Government any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.
   The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We_____further agree that the guarantee
   (indicate the name of the Bank)

herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge, on behalf of the Government, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

5. We_____ further agree with the Government
(indicate the name of the Bank)
that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We_____ lastly undertake not
(indicate the name of bank)
to revoke this guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid upto_____ unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs._____/-(Rupees_____only) and unless a claim in writing is lodged with us within Six Months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of_____

for_____
(indicate the name of the Bank)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of BSF.

INTEGRITY AGREEMENT

This Integrity Agreement is made at ..... on this ..... day of .....20.....

BETWEEN

President of India represented through Executive Engineer i.e. 2IC(Works), ...,(Name of BSF Establishment)

BSF, ..., (Hereinafter referred as the

(Address of Division)

„**Principal/Owner**", which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

.....

(Name and Address of the Individual/firm/Company)

through.....(Hereinafter referred to as the

(Details of duly authorized signatory)

"**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (NIT No. .....) (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for.....

(Name of work)

hereinafter referred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the parties hereby agree as follows and this Pact witnesses as under:

Article 1: Commitment of the Principal/Owner

1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:

(a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

(b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.

(c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.

2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article 2: Commitment of the Bidder(s)/Contractor(s)

1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same Item.

d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose (with each tender as per proforma enclosed) any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**

5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**

2) **Forfeiture of EMD/Performance Guarantee/Security Deposit**: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.

3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of Indian Penal code (IPC)/Prevention of Corruption Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

1) The Bidder declares that no previous transgressions occurred in the last 3 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.

2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.

3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.

2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.

3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, BSF.

Article 7- Other Provisions

1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Headquarters of the Division** of the Principal/Owner, who has floated the Tender.

2) Changes and supplements need to be made in writing. Side agreements have not been made.

3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.

4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.**

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following

Witnesses:

.....
(For and on behalf of Principal/Owner)

.....
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. .....
(signature, name and address)

2. .....
(signature, name and address)
Place:
Dated :

ANNEXURE - 38

(Refer SOP No. 5/30)

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

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

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

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

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

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

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

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

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

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

Signed, sealed and delivered by OBLIGOR in the presence of-1.

2.

Signed for and on behalf of THE PRESIDENT OF INDIA by ..... in the presence of 1.

PART-B
(Major Component)

PROFORMA OF SCHEDULES ("A" TO "F")

(MAJOR COMPONENT OF WORK)

SCHEDULE "A"

Schedule of Quantities - As per the schedule of work enclosed.

SCHEDULE "B"

Schedule of materials to be issued to the contractor:-

S. No	Description of item	Quantity	Rates in figures & words at which the material will be Charged to the contractor	Place of issue
1	2	3	4	5
……..... Nil……				

SCHEDULE "C"

Tools and plants to be hired to the contractor

S. No	Description	Hire charges per day	Place of issue
1	2	3	4
…….....Nil…….....			

SCHEDULE "D"

Extra schedule for specific requirements / document for the work, if any.	:	Attached at page No... ..... (if any)

SCHEDULE "E"

Reference to General Conditions of contract	:	CPWD General Conditions of Contract 2023 for Maintenance Works (as modified and corrected up to date).
Name of Work	:	Improvement and upgradation of lift lobby Room No 305 306 chanakya lab and corridor from common lift towards offices of SDG(HR) at 3rd floor of Block no 10 CGO complex under FHQ BSF New Delhi
Estimated cost of work	:	**₹ 4939789/-**
(i) Earnest Money	:	**₹ 98,796/-** (to be returned after receiving performance guarantee)
(ii) Performance Guarantee	:	a) 5% of tendered value or estimates cost put to tender (ECPT) (Whichever is higher). b) **Where the tendered amount is less than 80% of the performance guarantee, in addition to the requirement under (a) above, shall be increased by an amount equal to the difference between 80% of the ECPT and the tender amount.**
(iii) Security Deposit	:	2.5% of tendered value.

SCHEDULE-"F"

GENERAL RULES & DIRECTIONS:

Officer inviting tender	:	2IC (Works), FHQ BSF N/Delhi
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.		

Definitions:-

(i) **Engineer-in-charge**

For Major component (Civil work)	:	2IC (Works) concerned
For Minor component (Elect work)	:	DC(Electrical) concerned
(ii) Accepting Authority	:	2IC (Works), FHQ BSF N/Delhi.

(iii) Percentage on cost of materials and labour to cover all overheads and profits : 15%

(iv) Standard Schedule of Rates : Delhi Schedule of Rates – 2023 + Analysis of rates

(v) Department : BSF

(vi) Standard CPWD Contract Form : CPWD form –7 as modified and corrected up to date of call of tender.

Clause 1

(i) Time allowed for submission of Performance Guarantee Programme Chart (Time& progress) in days : 07 days

(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) above in days : 07 days

P

Clause 2

Authority for fixing compensation under clause 2 : Commandant (Works), FHQ.

Clause 2 A

Whether Clause 2 A shall be applicable : No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start : 10 days

Mile stone(s) as per table given below :

Sl. No	Description of Mile Stone (Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non-achievement of milestones)
.....(To be filled by the Engineer-in-charge).....			

Time allowed for execution of work : 60 Days

Authority to decide

(i)	Extension of time	:	Engineer in Charge or Engineer in Charge of Major Component in case of Composite Contracts, as the case may be.
(ii)	Rescheduling of milestones	:	Superintending Engineer / Comdt (Works) in Charge or Superintending Engineer/ Comdt (Works) in Charge of Major Component in case of Composite Contracts, as the case may be.
(iii)	Shifting of date of start in case of delay in handing over of site.		-do-

PROFORMA OF SCHEDULES Clause 5 Schedule of handing over of site

Part	Portion of site	Description	Time Period for handing over reckoned from date of issue of letter of intent
Part A	Portion without any hindrance		
Part B	Portions with encumbrances		
Part C	Portions dependent on work of other agencies		

Clause 6 : Applicable (CMB)

Clause 7

Gross work to be done together with net payment/adjustment of advances for material collected if any, since the last such payment for being eligible to interim payment : 20% of tendered amount.

Clause 7 A

Whether clause 7A shall be applicable. : Yes, applicable

Clause 8A

Authority to decide compensation on account if contractor fails to submit completion plans : 2IC (Works)

Clause 10 A

List of testing equipment to be provided by the contractor at site Lab. : As per the enclosed Annexure-„A"

Clause 10 B(ii)

Whether Clause 10 B(ii) shall be applicable : Not applicable.

Clause 10 C : Not applicable.

Clause 10 CA : Not applicable.

Clause 10 CC : Not applicable.

Clause 11

Specifications to be followed for execution of work : C.P.W.D. Specifications 2019 Vol-I to II with up-to-date Correction Slips issued up to the last date of receipt of tender and additional conditions and Specifications as attached in the Tender

Clause 12

Authority to decide deviation up to 1.5 time of tendered amount. : FHQ (Engg Dte) BSF New Delhi.

Clause 12.2 & 12.3

Deviation Limit beyond which Clauses shall apply for building work excluding foundation : 100% (Hundred Percent)

Clause 12.4

(i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work subhead in DSR and related items) : 100% (Hundred Percent)

(ii) Deviation Limit for items mentioned in earth work subhead of DSR and related items : 100% (Hundred Percent)

Clause 16

Competent Authority for deciding reduced rates.

Sub-standard work must be got rectified and if necessary, may be redone. Acceptance of sub-standard work at reduced rate should be done only under exceptional circumstances. Total value of items of agreement rate for which the Superintending Engineer accepts sub- standard work in a contract shall not exceed 5% of the Contract value. In case, total value of such items exceeds 5%, prior approval of FHQ (Engg Dte), BSF, New Delhi will be necessary.

Clause 18

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

1 ..... 2 ..... 3 .....(*To be filled by Engineer-in-charge*)
4 ..... 5 ..... 6 ..... (*To be filled by Engineer-in-charge*)
7 ..... 8 ..... 9 ..... (*To be filled by Engineer-in-charge*)

Clause 19C – Engineer-in-charge to decide penalty for each default. **Clause 19D** – Engineer-in-charge to decide penalty for each default . **Clause 19G** – Engineer-in-charge to decide penalty for each default . **Clause 19K** –Engineer-in-charge to decide penalty for each default .

Clause 25

Constitution of Dispute Redressal Committee (DRC) for total claims more than ₹ 25 Lakh:

1. Chairman – IG of some other Ftr.
2. Member – Concerned DIG
3. Member- Any nominated officer by FHQ
4. Member- Concerned EE (Only to present the case).

Constitution of Dispute Redressal Committee (DRC) for total claims upto ₹25 Lakh:

1. Chairman – DIG of some other Ftr. to be nominated by IG.
2. Member- Executive Engineer, Any other Ftr. to be nominated by IG.
3. Member- Executive Engineer, of some other Ftr. to be nominated by IG
4. Concerned Executive Engineer (Only to present the case).

SDG/ADG of Command HQrs and Ftr IG is competent to appoint DRC in both cases.

Correction = Nil, Insertion Nil, Omission = Nil. AC (Elect) AC (Works) 2IC(Works)

Clause 32 : Requirement of Technical Representative(s) and recovery Rate

Sl. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision as per Clause 32(i)	
						Figures	Words
..... (To be filled by the Engineer-in-charge as per requirement)							

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

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

Clause 38

(i) (a) Schedule / statement for determining theoretical quantity of cement and bitumen on the basis of **Delhi Schedule of Rates 2023** printed by the CPWD : As per additional specifications attached with NIT

(ii) Variations permissible on theoretical quantities:

a) Cement

For works with estimated cost put to tender not more than Rs. 25 lakh. : 3% plus/minus.

For works with estimated cost put to tender more than Rs. 25 lakh. : 2% plus/minus

b) Bitumen for all works : 2.5% plus only & Nil on minus side

c) Steel Reinforcement and structural steel sections for each diameter, section and category : 2% plus / minus

d) All other materials : NIL

GENERAL CONDITIONS

1.0 Scope of work

The quoted rates of the contractor include all the following activities, except otherwise specified

" ALL THE CONSTRUCTION WORK WILL BE EXECUTED ONLY WITH POTABLE/DRINKABLE WATER LIKE RCC WORK, BRICK WORK, PLASTER WORK AND OTHER CONSTRUCTIONS IN THE SAID WORK."

(i) The scope of work also includes Preliminary works like setting and maintenance of permanent bench marks reference points, central line of the carriageway etc. It shall also include making adjustment in the layout if required as per site conditions and as directed by the Engineer-in-Charge. The layout shall be got approved from the Engineer-in-charge before starting actual work. Existing levels of the area under the scope of work shall also be recorded.

(ii) Clearing of site for construction of the work and all activities connected therewith before commencement of work to the satisfaction of the Engineer-in-Charge.

(iii) Maintenance of all works during construction till handling over to the Department.

(iv) Protection and maintenance of existing services.

(v) Provision for all safety measures for traffic, pedestrian workmen, machinery etc. as considered necessary *by* the Engineer-in-charge.

(vi) Identification of services like sewer lines, water supply lines, electric and telephone cables etc. well in advance of actual execution.

(vii) It may be noted that all the safety requirements as may be felt necessary by the Engineer-in- Charge, shall have to be provided for allowing the traffic to pass underneath the superstructure at all times during the construction period.

(viii) In case of defective construction by the contractor or on account of any other reason attributable to the contractor if the consultants appointed by the department, .submit additional claims for re- designing on account of additional input by them, due to such reasons, the same shall also be borne by the contractor. The opinion of the Engineer-in-charge in these matters shall be final and binding.

(ix) All ancillary and incidental facilities required for execution of the work i.e. labour camps, stores, offices for contractors, work shop facilities, watch and ward, temporary structure for plants and machinery, well equipped, site laboratory as mentioned in the tender document, water storage structure, tube wells, electric /telephone installation and charges, liaison work, protection work during execution and not included in the main Items, any other Item /activity contained elsewhere in the tender documents which is necessary for execution of work in the opinion of the Engineer-in- Charge.

(x) Pumping and bailing out water in suitable manner as directed by Engineer-in-Charge.

(xi) It is also made clear that intending tenderer should visit the sites of work including contractor's compound and physically assess the activities which are involved for completing the work, including the quantum of work besides the information supplied in the tender document. No claim whatsoever shall be entertained on this account.

(xii) The construction agencies shall make arrangement for a regular fortnightly or other frequency as desired by Engineer-in-Charge for the documentation of the progress of work.

(xiii) Activities related to setting of various Items such as permanent bench-marks, reference points, central line of carriageway, layout of foundations and bearings etc. shall be performed by total station survey.

(xiv) The contractor shall provide barricading along the length of road if required and suitable light shall be provided with barricading, if required. Contractor shall not be paid anything extra for the barricading. In case the Agency fail to provide barricading as per direction of Engineer in charge. The same shall be provided by the department at his risk and cost.

(xv) Services like water supply lines, sewer lines, storm water drains, electricity lines, telephone lines over head and underground cables /structure, if any falling in the alignment of the work, (which are required to be removed or shifted in the opinion of the Engineer-in-Charge) shall be removed
/shifted by the department if found necessary by the Engineer-in-charge. Time taken for its shifting, removal, diversion shall be accounted for towards according extension of times if it actually causes hindrance in execution as per the discretion of the Engineer-in-Charge. No claim for delay or otherwise due to above reasons shall be entertained on this account.

2.0 Samples of Material:-

Sample of materials and other articles required for execution of work shall be got approved from the Engineer-in-Charge before use in the work. The quantity of samples brought by the contractor shall be judged by standards laid down in the relevant BIS specifications.

2.1 All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the Item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of materials is not specified in the Item of work, the contractor shall submit the samples as per suggestive list of brand names given in the tender document / particular specifications for approval of Engineer-in-Charge. For all other Items, materials and fittings carrying BIS Mark shall be used with the approval of Engineer-in-Charge. Wherever BIS Marked material / fittings are not available, the contractor shall submit samples of materials / fitting manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In-Charge. To avoid delay, contractor should submit samples as stated above well in advance so as to give timely orders for procurement. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.

2.2 The contractor shall ensure quality construction in a planned and time bound manner. Any sub- standard material / work beyond set-out tolerance limit shall be summarily rejected by the Engineer-In-Charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately.

2.3 BIS marked materials except otherwise specified shall be subjected to quality test besides testing of other materials as per the specifications described for the Item / material. Wherever BIS marked materials are brought to the site of work, the contractor shall furnish manufacturer's test certificate or test certificate or test certificate from approved testing laboratory 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.

2.4 BIS marked Items (except cement & steel) required on the work shall be got tested. Only important tests, which govern the quality of the product, shall be carried out. The frequency of such tests shall be 25% of the frequency specified in the CPWD Specifications 2019 Vol I to II with up to date correction slips.

For certain Items, if frequency of tests is not mentioned in the CPWD Specifications then relevant IS code shall be followed and tests shall be carried out @25% of the frequency specified therein.

3.0 Samples for Testing:-

3.1 The contractor shall provide samples of material required for testing free of charge. The cost of tests shall be borne by the contractor / department in the manner indicate below:-

a) By the contractor, if the results show that the material does not conform to relevant specifications.

b) By the department, if the result shows that the material conforms to relevant specifications.
All other expenditure required to be incurred for taking samples; conveyance, packing etc. shall be borne by the contractor himself.

3.2 However, if any load testing or special testing is to be done for concrete whose strength is doubtful, the cost of the same shall be borne by the contractor.

(a) All necessary tests as per the NIT/CPWD specifications / relevant BIS codes shall be carried out on all the materials whether ISI marked or otherwise. Wherever NIT/CPWD specifications / relevant BIS codes do not specify the frequency of tests, the same shall be carried out as per the directions of the Engineer-in-Charge. Nothing extra whatsoever shall be payable on this account.
(b) Testing at Manufacturer's place – All materials which are specified to be tested at the Manufacturer's works shall satisfactorily pass the tests in presence of the authorized representative of Engineer-in-Charge before being used in the work. In case all requisite testing facilities are not available at the Manufacturer's premises, such testing shall be conducted at laboratory approved by the Engineer-in-Charge. The charges for such testing shall be borne by the contractor.

3.3 The contractor has to establish field laboratory at site including all necessary equipment (conforming to BIS) as per Annexure attached and skilled manpower for field tests at his own cost Contractor has to establish compression testing machine of suitable capacity at site and 90% of the cube test will be carried out in lab at site and 10% of the cube test will be carried out in the lab as per clause below.

3.4 Testing of the building material will be done as per the following priority.

a) CPWD Testing Lab.
b) Any Govt. / State undertaking Lab.
c) Other approved laboratory by BSF / CPWD.

4 Quality Assurance:-

4.1 The contractor shall ensure quality control measures on different aspects of construction including materials, workmanship and correct construction methodologies to be adopted. He shall have to submit brief quality assurance program within two weeks of the award of the work. The quality assurance program should include the name of the Engineers and make of materials proposes to be used in the work.

4.2 The contractor shall get the source of various raw materials namely aggregate, cement, sand, steel, water etc. to be used on the work, approved from the Engineer-in-Charge and trial mixes for controlled concrete shall be done using the approved materials. The contractor shall stick to the approved source unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost.

4.3 Lists of approved makes and brands of materials for work are annexed hereto. Makes and brands of Materials specified therein shall only be used on the work. The contractor shall submit brand / make of various materials to be used for the approval of the Engineer-in-Charge along with sample.

4.4 The contractor shall submit shop drawings of staging and shuttering arrangement for approval of Engineer-in-Charge. The contractor shall also submit bar bending schedule for approval of Engineer-in-Charge before execution.

4.5 All material shall be brought at site as per program finalized with the Engineer-in-Charge. Any pre- delivery of the material, not required for immediate consumption shall not be accepted and thus not paid for.

4.6 Except for the Items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of the Items in the schedule of quantities, the work shall generally be carried out in accordance with the MORTH specification 2001 and "CPWD Specifications 2019 Vol I to II with up to date correction slips (Hereinafter to be referred to as CPWD Specifications) and instructions of Engineer-in-Charge. Wherever CPWD Specifications are silent, the latest IS Codes / Specifications shall be followed.

4.7 A reference made to any Indian Standard Specifications in these documents, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standard, upto last date of receipt of tenders. **The contractor shall keep at his own cost all such publications of relevant Indian Standard applicable to the work at time.**

4.8 Sample including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.

4.9 Unless otherwise specified in the schedule of quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all lifts & all heights, floors including terrace, leads and depths and **nothing extra shall be payable on this account**.

4.10 The rates for all Items of work shall, unless clearly specified otherwise, include cost of all labour, material, tools and plants and other inputs involved in the execution of the Item and nothing extra shall be payable on this account.

1. The contractor(s) shall quote all inclusive rates against the Items in the schedule of quantities and **nothing extra shall be payable for any of the conditions and specifications** mentioned in the tender documents unless specifically specified otherwise.

2. Unless otherwise specified in the schedule of quantities, the rates for all Items, shall be considered as inclusive of pumping / bailing out water, wherever necessary for which **no extra payment shall be made.**
3. The rate for all Items, in which the use of cement is involved, is inclusive of charges for curing.
4. The foundation trenches shall be kept free from water while works below ground level are in progress.
5. The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (FPS units wherever indicated are for guidelines only).
6. Any legal or financial implications resulting out of disposal of earth shall be sole responsibility of the contractor. **Nothing extra shall be paid on this account**.
7. All the hidden Items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering.
8. The contractor shall indemnify the Govt. against any claims or obligations arising out of any damage to adjacent property, structure or to building work done by him.

Licenses

8.1 The contractor shall pay to the municipal, police or other authorities all the fees etc. if required for execution of work, obtain requisite licenses for temporary constructions, enclosures, and pay all fees, taxes and charges which shall be livable on account of their observations in executions of the contract. No extra claim will be entertained on this account. However, department shall provide necessary assistance by way of forwarding the applications of the contractor.

8.2 All license fees, royalty charges shall be paid by the contractor direct to the authorities concerned. **No extra claim will be entertained on this account.**

9. In case services are encountered during excavation / earth work and such services are required to be shifted, the contractor is bound to carry out the shifting operation as per guidance / instructions and with the approval of the Engineer-in-Charge. However, necessary payments shall be made in this regard as per provision of the agreement.
10. Many other agencies would be executing work simultaneously at site. The contractor shall maintain proper co-ordination with other agencies in maintaining progress of work. In case of any dispute, the decision of the Engineer-in-Charge shall be final and binding.
11. ~~The contractor shall be required to comply with the provisions of Delhi labour welfare fund notified by the Delhi Govt. on 13.07.04 as per which if the contractor employs directly or through other persons, five or more than five persons on any working day during the preceding 12 months, owes a statutory obligation to deposit:~~
    ~~(i) Fines realized from employees.~~
    ~~(ii) Unpaid accumulations.~~
    ~~(iii) Contribution of employees @75 paisa per employee, per six months.~~
    ~~(iv) Contribution of employer Rs.2.25 per employee, per six months.~~

~~As per the provision of the above said Act. All employees are covered, except managerial and supervisory staff drawing as wages Rs.2,150/- per month or more, engaged in different establishments and if any employ fails to deposit the amount payable under the provisions of the said Act., penal interest would be charged @1% P.M. for first three months and thereafter penal interest would be charged @1.5% P.M. and the arrears are recoverable as arrears of "Land Revenue".~~

12. The contractor shall have to make his own arrangement for housing facility for staff and labour away from construction site and shall have to transport the labour to and fro between construction site and labour camp at site own cost. No labour huts will be allowed to be constructed at the project site except a few temporary sheds for Chowkidars and Storekeeper. The decision about how many huts can be allowed for Chowkidars and Storekeeper at project site shall rest with the Engineer-in- Charge and the contractor shall have no claim on this account.

13. GST or any other tax applicable in respect of inputs procured by the contractor for this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, component of GST at time of supply of service (as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.

14. Maintenance of Register of Tests

(i) All the registers of tests carried out at construction site or in outside laboratories shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-Charge in the same manner as being issued to BSF field staff.

(ii) All samples of materials including cement concrete cubes shall be taken jointly with contractor by JE and out of this at least 50% samples shall be taken in presence of AE in charge. If there is no JE, all samples of materials including cement concrete cubes shall be taken by AE jointly with contractor. All the necessary assistance shall be provided by the contractor. Cost of samples materials is to be borne by the contractor and he shall be responsible for safe custody of samples to be tested at site.

(iii) All the tests if field lab setup at construction site shall be carried out by the Engineering staff deployed by the contractor which shall be 100% witnessed by JE and 50% of tests shall be witnessed by AE –in-Charge. At least 10% of the tests are to be witnessed by the Assistant Engineer.

(iv) All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by JE/AE/EE.

(v) Contractor shall be responsible for safe custody of all the test registers.

(vi). Submission of copy of all test registers, Material at site register and hindrance register along with each alternate Running Account Bill and Final Bill shall be mandatory. These registers should be duly checked in division office and receipts of registers should also be acknowledged by Accounts Officer by signing the copies and register to confirm receipt in Division office.

If all the test registers and hindrance register is not submitted along with each alternate R/A Bill & Final Bill than no payment shall be released to the contractor.

15. Maintenance of Material at Site (MAS) Register-

(i) All the MAS Registers including cement and Steel Registers shall be maintained by Contractor which shall be issued to the contractor by Engineer-in-Charge in the same manner as being issued to BSF field staff.
(ii) Each of the entry of receipt of material at site shall be 100% test checked by JE or by AE if there is no JE.
(iii) Each MAS register shall be checked by JE at least twice a week and at least once a week by AE. If there is no JE then MAS registers will be checked by AE at least twice a week
(iv) Cement Register shall be reviewed by AE at least once in a month.

16. Programme Chart:-

The Contractor shall prepare a programme chart for the execution of work, showing clearly all activities from the start of work to completion within the stipulated period and submit the same for approval of the Engineer-In-Charge within two weeks of the award of the contract.

17. Normally contractors shall not be allowed to work at night. Work at night shall, however, be allowed if the site conditions / circumstances so demand. However, if the work is carried out in more than one shift or at night, **no claim on this account shall be entertained**

The contractor shall be bound to follow the instruction and restrictions imposed by the Administration/Police authorities on the working and/or movement of labour, materials etc. and nothing extra shall be payable on this account or due to less/restricted working hours or suspension of work or any detours in movement of vehicles due to stated instructions and restrictions.

18. The contractor shall also be required to follow the rules & restrictions imposed on working/movement/stacking of materials by the local competent authority at all times. Nothing extra shall be payable on this account.

19. The contractor should remove from site, the net surplus earth only. If he disposes earth more than the surplus quantity and earth is required later to be brought from outside, the contractor shall be liable to supply at site the such required quantity of earth of required quality at his own cost and nothing shall be paid on the account. The quantity of the surplus earth to be disposed off from the site shall be worked out on the basis of levels to be taken before and after the excavation. The decision of the Engineer-in-charge regarding the quantity of net surplus earth shall be final & binding. Nothing extra shall be payable to the contractor for stacking the excavated earth.

20. SITE CONDITIONS

Site conditions given hereunder and elsewhere are given as guidelines and contractor shall satisfy himself regarding all aspects of site conditions and no claim will be entertained on the plea that the information supplied by the department is erroneous or insufficient.

21 Location

As mentioned in the name of work.

22 Traffic restrictions & Permissions

Work has to be executed without disrupting the traffic and thus, limited space shall be available for execution of the work. The contractor will have to carefully plan his sequence of operations so that the traffic moves unhindered at all times. The traffic diversion plan evolved by the contractor for execution of the work at all locations will require approval of Police Department. Modifications suggested by the Traffic Police and also by the department shall be implemented by the contractor during execution of the work

23 Climatic conditions

The climate in the region is extreme with three major seasons- winter, summer and rainy. The winter season lasts from October to March, summer season from April to June and rainy season from July to September. This is only for guidance and there may be variations.

24 Housing, water supply, Drainage and Electricity

No accommodation is available at the site of work. The contractor has to make his own arrangements for electric connection, housing, stores and field offices, accommodations for his labour and other employees etc. Contractor should visit the site and see in what manner he is able to arrange the above. Arrangement of water for drinking purpose in addition to the water required for construction work is also to be made by the contractor. No other space shall be made available at work site except for temporary site office/ contractor's compound. However onus will be on contractor to arrange the space on its own. No claim whatsoever will be entertained on this account.

25 It shall be deemed that the contractor has satisfied himself as to the nature and location of the work, general and local conditions and particularly those pertaining to transport, handling and storage of materials, availability of labour, weather conditions at site and general ground / sub soil conditions and the contractor has to estimate his cost accordingly.

26 The BSF will bear no responsibility for the lack of such knowledge and also the consequence thereof to the contractor. The information and site data shown in the drawings and mentioned herein and elsewhere in these tender documents are furnished for general information and guidance only. The Engineer-in-charge in no case shall be held responsible for the accuracy thereof or / and whatsoever, interpretations or conclusions drawn there from/ by the contractor and no claim shall be entertained whatsoever if the site conditions/ information is different or otherwise incorrect as it is presumed that the contractor has satisfied himself for all possible contingencies, situations, bottlenecks and acts of coordination which may be required between the different agencies

27 In case of flooding of site on account of rain or any other cause, or any other damage whatsoever, no claim financially or otherwise shall be entertained, not withstanding any other provisions elsewhere in the tender documents.

28 The contractor shall remove the malba on regular basis to keep the site neat and clean during the execution of the work. In case the Agency fails to remove the malba, the same shall be removed by the department at his risk and cost.

SPECIAL CONDITIONS FOR CEMENT

1. The contractor shall, at his own expense procure and provide all materials including cement and steel required for the work.

2. The contractor shall procure all the materials in advance so that there is sufficient time to testing and approving of the materials and clearance of the same before use in work.

3. All materials brought by the contractor for use in the work shall be got checked from the Engineer-In-Charge or his authorized representative of the work on receipt of the same at site before use.

4. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost. The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock and key system.

5. Contractor has to produce manufacturers test certificate for each lot of cement & steel procured at site.

6. CONDITIONS FOR CEMENT:-

6.1 The contractor shall procure 43 grade ordinary Portland Cement conforming to IS 8112 / 53 grade Portland Pozzolana cement conforming to IS 1489 (Part-I), as required in the work, from reputed manufacturers of cement such as ACC, Ultra Tech, Vikram, Shree Cement, Ambuja, Jaypee Cement, Century Cement & J.K. Cement or from any other reputed cement Manufacturer having a production capacity not less than one million tonnes per annum as approved by ADG for that sub region. The tenderers may also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacturer(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. The supply of cement shall be taken in 50 kg. bags bearing manufacturer's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case the test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected, and it shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer- in-Charge to do so.

6.2 The cement shall be brought at site in bulk supply of approximately 50 tonnes or as decided by the Engineer- in- charge. The cement godown of the capacity to store a minimum of 1000 bags of cement shall be constructed by the contractor at site of work or which no extra payment shall be made.

6.3 Double lock provision shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the keys of

the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

6.4 The cement shall be got tested by the Engineer-in-charge and shall be used on the work only after satisfactory test results have been received. The contractor shall supply free of charge the cement required for testing including its transportation cost to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:

(a) By the contractor, if the results show that the cement does not conform to relevant BIS codes.

(b) By the Department, if the results show that the cement conforms to relevant BIS codes.

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

6.6 The cement brought to the site and the cement remaining unused after completion of the work shall not be removed from site without the written permission of the Engineer-in-charge.

6.7 The damaged cement shall be removed from the site immediately by the contractor on receipt of a notice in writing from the Engineer-in-charge. If he does not do so within 3 days of receipt of such notice, the Engineer-in-charge shall get it removed at the cost of the contractor.

6.8 The cement in bags shall be stacked by the contractor in two god owns one for fresh arrival to be tested for quality and another already tested in use having weather proof roof and walls and on a proper floor consisting of two layers of dry bricks laid on well consolidated earth at a level at least 30 cm above the ground level. These stacks shall be in rows of two bags deep and 10 bags high with a minimum of 60 cm. clear space all round. The bags should be placed horizontally continuous in each line as per sketch given in **CPWD Specifications – 2019**. The sketch is only for guidance. Actual size / shape of godowns shall be as per site requirement. The decision of Engineer-in-Charge regarding the capacity needed will be final and nothing extra shall be paid on this account.

6.9 Cement register for the cement shall be maintained at site. The account of daily receipts and issue of cement shall be maintained in the register by the authorized representative of the Engineer-in-charge and signed daily by contractor or his authorized agent.

6.10 Cement, which is not used within 90 days from its date of manufacture, shall be tested at Govt. laboratory. Until the results of such tests are found satisfactory, it shall not be used in any work.

PROFORMA FOR THE CEMENT REGISTER

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

Correction = Nil, Insertion Nil, Omission = Nil. AC (Elect) 2IC/DC(Works)

SPECIAL CONDITIONS FOR STEEL

1.1 The contractor shall procure TMT bars of Fe550 grade from primary producers such as SAIL, Tata Steel Ltd., RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd. or any other producer as approved by CPWD who are using iron ore as the basic raw material/input and having crude steel capacity of
2.0 Million tons per annum and above.

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

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

The grade of the steel such as Fe550 grade to be procured is to be specified as per BIS 1786- 2008.

(a) The secondary producers must have valid BIS license to produce HSD bars conforming to IS 1786 : 2008. In addition to BIS license, the secondary producer must have valid license from either of the firms Tempcore, Thermex, Evcon Turbo & Turbo Quench to produce TMT Bars.
(b) The TMT bars procured from primary producers & ISP shall conform to manufacture's specifications.
(c) The TMT bars procured from secondary producers shall conform to the specifications as laid by Tempcore, Thermex, Evcon Turbo & Turbo Quench as the case may be.
(d) TMT bars procured either from primary producers ISP or secondary producers, the specifications shall meet the provisions of IS 1786: 2008 pertaining to Fe 550 grade of steel as specified in the tender

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

1.3 Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to the specifications as defined under para (1)(d) & (1)(e) above, the same shall stand rejected, and it shall be removed from the site of work by the contractor at his cost within a week time or written orders from the Engineer-in-Charge to do so.

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

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

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

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

1.7 The contractor shall supply free of charge the steel required for testing including its transportation to testing laboratories. The cost of tests shall be borne by the contractor/Department in the manner indicated below:

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

(b) By the Department, if the results show that the steel conforms to relevant BIS codes.

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

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

1.10 Contractor shall be permitted to use TMT reinforcement bars procured from secondary producers subject to rate of providing & laying TMT reinforcement bars as quoted by the contractor in the tender shall also be reduced by Rs.7.00 per kg. (Which includes Contractor's Profit and Over Heads as applicable).

1.11 In case the contractor bring surplus quantity of steel the same after completion of the work will be removed from the site by the contractor at his own cost after approval of the Engineer-in- Charge.

1.12 The mild steel and medium tensile steel bars to be used shall conform to latest version of IS: 432 and cold twisted bars and TMT bars shall conform to the latest version of IS: 1786.

1.13 i) Reinforcement including authorized spacer bars and lappages shall be measured in length of different diameters as actually (not more than as specified in the drawings) used in the work nearest to a centimeter. Wastage and un-authorized overlaps shall not be measured.

ii) The standard sectional weights referred to as in Table 5.4 in para 5.3.4 in CPWD Specifications (Vol-I) 2009 for Cement Mortar, Cement Concrete and RCC Works will be considered for conversion of length of various sizes of M.S. Bars and T.M.T. bars into Standard Weight.

iii) Records of actual Sectional weights shall also be kept dia-wise and lot-wise. The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The decision of the Engineer-in-Charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at

site of work each day will constitute one single lot for the purpose. The weight of steel by conversion of length of various sizes of bars based on the actual weighted average sectional weight shall be termed as Derived Actual Weight.

iv) a) If the Derived Weight as in sub-para (iii) above is lesser than the Standard Weight as in Sub-para (ii) above then the Derived Actual Weight shall be taken for payment.

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

ADDITIONAL CONDITIONS

1. The work shall be carried out in such a manner so as not to interfere or affect or disturb other works, being executed by other agencies, if any.
2. Any damage done by the contractor to any existing work shall be made good by him at his own cost.
3. The work shall be carried out in the manner complying in all respects with the requirement of relevant byelaws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
4. The contractor shall make his own arrangement for obtaining electric connection (s) if required, and make necessary payment directly to the department concerned. The department will however make all reasonable recommendations to the authority concerned in this regard.

5. The Contractor or his authorized representative should always be available at the site of work to take instructions from departmental officers, and ensure proper execution of work.

6. The structural and other drawings for the work shall at all times, be properly correlated before executing any work and no claim whatsoever shall be entertained in his respect.

7. The contractor shall maintain in good condition, all works executed till the completion of entire work allotted to the contractor.

8. Royalty at the prevalent rates and all other incidental expenditure shall have to be paid by the contractor on all the, metal shingle, earth sand, bajri etc. collected by him for the execution of the work direct to the concerned Revenue Authority of the State or Central Govt. His rates are deemed to include all such expenditure and nothing extra shall be paid.

9. The malba / garbage, removed from the site shall be disposed of by the contractor at any suitable place as directed by the Engineer-in-Charge.

10. All work and materials brought and left upon the ground by the contractor or by his order for the purpose of forming part of the works, are to be considered to be the property of the President of India and the same are not to be removed or taken away by the contractor or any other person without special license and consent in writing of the Engineer-in-Charge, but the President of India is not to be in any way responsible for any loss or damage which may happen to or in respect of any such work or materials either by the same being lost or damaged by weather or otherwise.
11. Unless otherwise provided in the schedule of quantities the rates, tendered by the contractor shall be all-inclusive and shall apply to all heights, depths, leads and lifts.

12. The contractor shall construct suitable godown at the contractor's compound for storing the materials safe against damage due to sun, rain dampness, fire, theft etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.

13. Material shall be kept in joint custody of the contractor and the representative of the Engineer- in- charge. The empty containers shall not be removed from the site of work till the relevant Item of work has been completed and permission obtained from the Engineer-in-Charge.

14. The area shall be kept dry when the work is in progress even below water table. Nothing extra shall be paid for removal of slush / sludge, bailing out water due to sub-soil condition, rains, spring etc.

15. The temporary warning lamps shall be installed at all barricades during the hours of darkness and kept lit at all times during these hours.

Failure to comply with the requirements mentioned above shall be deemed to be breach of the contract on the part of the contractor for which the contractor shall be liable to action under relevant clauses/conditions of the agreement. The Engineer-in-Charge shall give notice to the contractor for such default and the contractor shall comply with the same within one day of such notice failing which the Engineer-in-Charge will get the barricading set right in accordance with above provisions at risk and cost of the contractor in addition to the compensation payable by the contractor for default.

16. For taking the permission to execute the work, if any required from any Government Department like Traffic Police, local body etc. the contractor will associate themselves with the department.

17 The bitumen content in bituminous mix shall be checked by conducting the bitumen extraction test conforming to IRC:SP:11 at regular interval during progress of work. The actual consumption of bitumen shall be worked out based on such test results. The theoretical consumption shall be worked out based on the approved design mix formula. The actual consumption (based on extraction test as well as MAS account) if found less than theoretical one, the recovery shall be made from contractor for bitumen of grade 80/100, VG-30, etc. as appropriate at the rate as mentioned under Clause 42 in Schedule-"F" for less use of bitumen. The work found executed with bituminous mix having bitumen content lesser than permissible variation of (-) 0.3% (by weight on similar basis as of design mix) shall be considered as sub- standard work and hence shall be liable for rejection. However, nothing extra shall be paid if actual consumption so worked out is higher than theoretical consumption. This is without prejudice to action under other relevant clauses of the agreement.

18 All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries.

19 Sand to be used for all works excluding filling shall be of standard quality. The same shall consist of hard siliceous materials. It shall be clean sand.

20. All the dismantle material will be stacked by contractor and handed over to the department after completion of work with proper listing counting of dismantle material as per direction of engineer- in-charge and nothing extra payment shall be made for this.

21. For the release of payments (after receiving the pass order from the 2IC/2IC (Works) /(Elect), BSF) necessary action will be taken by NCDDO (DDO). For any payment related issues of the bill has to contact with Admin officer only of the establishment (not contact in this regard to Engineering Br. or DDO).

23. PAD (Pay & Accounts Division) BSF, Pushpa Bhawan, Madangiri, New Delhi-110017 is the payment authority for releasing of the payment.

GENERAL SPECIFICATIONS

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

2 All the works unless otherwise specified hereinafter or permitted by Engineer-in-Charge shall be done in accordance with the latest editions of IRC codes as on the date of receipt of tenders or any other specified code. In addition, relevant IS Codes. (Latest revision), and CPWD Specifications 2019 Vol, I & II with up to date correction slips shall also be applicable.

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

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

i. Nomenclature of item etc given in Schedule of Quantities.

ii. Particular Specifications & Special conditions for this work, if any.

iii. Particular Specifications, Special Conditions, Special Conditions for Cement & steel and additional conditions if any.

iv. General Specifications and General Conditions, if any.

v. Drawings attached with the tender.

vi. CPWD specifications, 2019 Vol I & II with upto date correction slips.

vii. All relevant IS Codes with the latest revisions.

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

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

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

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

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

on this account. Water charges shall not be recovered in case arrangement of water is made at his own by the contractor.

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

3.5 All the drawings shall at all times be properly correlated by the contractor before executing the work and no claim what so ever shall be entertained for failing to do so. In case of any discrepancy in the specifications, schedule of quantity and drawings, the decision of the Engineer-in-charge shall be final, conclusive and binding on the contractor.

3.6 Rates for the Items are inclusive of all labour, materials, T&P, incidental charges, contractors profit and overheads etc. unless, otherwise, specified. The contractors shall quote the rates accordingly.

PARTICULAR SPECIFICATIONS
CIVIL WORKS

1. EARTH WORK

The work shall be done in accordance with CPWD Specifications using mechanical equipment's and machinery as per site condition and without any damage to nearby structure.

2. CONCRETE WORK

The concrete work shall be done in accordance with CPWD Specifications.

3. PRE-CAST RCC WORK

Pre-cast reinforced concrete units shall be of grade or mix and cement content as specified in the schedule of quantities. Provision shall be made in the mould to accommodate fixing devices such as hook, flats etc and forming of notches and holes. Each unit shall be cast in one operation. A sample of the unit shall be got approved from Engineer-in-charge before taking up the work.
Pre-cast units shall be clearly marked to indicate the top of member and its location.
Pre-cast units shall be stored, transported and placed in position in such a manner that these are not damaged.

The compaction of the concrete shall be done by vibrating table or external vibrator, as approved by Engineer-in-charge. The rate quoted for the Item shall include the element for framework and mechanical vibration.

Rate for Item includes cost of all materials, shuttering, reinforcement, M.S Sheet, labour and all operations involved. Cost of M.S. frames, lugs including their welding, lifting hooks is also included.

4. Shuttering:-

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

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

5. Brick work:-

5.1 The brick work shall be carried out with good quality well burnt FPS Bricks of specified class designation.

5.2 The rate shall also include for leaving chases / notches for dowels / cramps for all kinds of cladding to come over brick work.

5.3 Brick masonry shall be with FPS. Contractor shall intimate the source of supply of bricks & samples of the bricks shall be got approved from the Engineer-In-Charge in advance.

PARTICULAR SPECIFICATIONS & SPECIAL CONDITIONS

1. The work shall be done as per MORTH/CPWD Specifications. Cost of all tests shall be borne by the contractor. Job Mix formula shall be carried out by contractor from laboratory approved by the Executive Engineer /Assistant Engineer. Cost of Job Mix formula etc shall be borne by contractor.

2. Design mix shall be done in approved lab like IITs, CRRI, NITs, CPWD or Central/State owned laboratory approved by Engineer-in-charge. Cost of design mix shall be borne by contractor.

SPECIAL CONDITION FOR SOIL TESTING AND STRUCTURAL DESIGNING

1. Agency to submit structural drawings including all plans, section, elevation, layout plan, BBS of reinforcements etc for execution of construction of sump in compliance with relevant building codes and regulations as per engineer in charge.

ANNEXURE – A

LIST OF TESTING EQUIPMENT TO BE PROVIDED BY THE CONTRACTOR AT SITE

PARTCULARS		ITEM	QUANTITY
1. Aggregate Testing			
	1	Set of coarse sieves 30cm dia (GI Sheet frames with aperture size (40 mm, 25mm, 20mm, 16mm, 17.5mm, 10mm, 4.75 mm all with lid and pan)	1 Set
	a)	Motorized sieve shaker for the above sieves.	1 No.
	2.	Set of fine sieves 20 cm dia of Brass with aperture size (4.75 mm, 2.36mm, 1.18 mm, 600 mic, 300 mic, 75mic all with lid and pan)	1 Set
	a)	Motorised sieve shaker for the above sieves.	1 No.
II Weighing Equipment	1.	Physical balance capacity 200 gms	1 No.
	2.	Dial type spring balance having knob capacity 100 kgs reading to ½ kg.	2 Nos.
	3.	Counter Scale capacity 1 kg & 10 kg	1 No. / each
	4.	Weighing Platform Capacity 100 kg	1 No.
	5.	Iron weights of 5kg, 2kg, 150gm, 200gm, 100gm	2 Nos. / each
	6.	Brass Weights of 50gm, 20gm, 10gm, 5gm, 2gm, 1gm	2 Nos. / each
III	1.	Cube testing Machine	1 No.
IV	1.	Slump cone in case of RCC work.	

1) The contractor has to deploy cube testing machine if the cost of cement concrete grade 1:2:4 (M-15) and richer mix is more than Rs 25 lacs. In other cases, the testing charges of cube shall be borne by the contractor.

2) These equipment/T &P/machinery shall be the mandatory requirement over and above those pertaining to arrangement of concrete from RMC producing plants as mentioned elsewhere in the tender documents. In case the requirement at any stage exceeds that given above the same shall be arranged as per need by the contractor at his own cost.
3) Nothing extra whatsoever shall be payable on this account.
4) All the equipment, T & P and machinery shall be kept in good conditions.
5) Equipment like excavators/Transit mixer etc. shall be allowed to be moved away from the site when, in written opinion of Engineer-in-Charge, the same are no longer required at site of work.
6) All the equipment shall be brought, installed and commissioned at site of work at least one week before their actual planned use at site.
7) To maintain horizontal & vertical profile of the building the contractor have to do the total station survey with least count of 1 second at his own cost and nothing extra shall be paid for this.
8) Before starting the work, the spot level of the site is to be done by the total survey station instrument by the contractor and three sets of spot level drawings are to be submitted by the contractor to the department before starting work.

Note:- The equipment's not relevant for this work may be exempted by Engineer-in-Charge on the written request of the agency.

LIST OF APPROVED MANUFACTURES / SUPPLIERS (GENERAL)		
S.NO	MATERIAL	APPROVED PRODUCT / MAKE
1	CEMENT (OPC/PPC)	ULTRATECH, ACC , DALMIA, NUVOCO, AMBUJA, SHREE, STAR, OR AS DIRECTED BY ENGINEER-IN-CHARGE
2	STRUCTURAL STEEL SECTIONS AND REINFORCEMENT	TATA(TISCON), SAIL, RINL, JINDAL STEEL & POWER LTD., JSW STEEL LTD
3	DAMP PROOF MATERIAL/ POLY SULIPHIDE SEALENT/ ADMIXTURES/ WATER PROOFING COMPOUND/ INJECTION GROUTING	DR. FIXIT, FOSROC, BASF, IMPERMO, CICO, ZYDEX, DOW, CORNING, CHOKSEY, TUFFSHEAL, SIKKA,
4	WHITE CEMENT	J.K. WHITE, BIRLA WHITE
5	LOCKS/ LATCH	GODREJ, HARRISON, YALE, LINK.
6	SS WIRE MESH	STERLING ENTERPRISES, TRIMURTY WELDED, SPC (SELECTED PRODUCTS CO).
7	ADHESIVE	PIDILITE, FOSROC, SIKA, CICO, BASF,
8	EPOXY MORTAR	FOSROC, SIKA, DR. FIXIT, CICO.
9	DASH FASTENER	HILTI, FISHER, BOSCH, CANON
10	FLUSH DOOR SHUTTERS (DOOR SHUTTERS (DECORATIVE/ NON DECORATIVE)/ LAMINATES/ PRELAMINATED PARTICLE BOARD/ BOARD & PLYWOOD	GREENPLY, CENTURY, NATIONAL, DURO, JAYNA (JAIN WOOD INDUSTRIES), MERINO, ACTION TESA, NOVOPAN, KITLAM, ARCHID, PLY, ACTION TESA (ISI MARKED)
11	HYDRAULIC DOOR CLOSE R/ FLOOR	GODREJ, DORMA, HEFFLE, KICH, HETTICK, HARDWYN
12	WOODEN DOOR FITTINGS OF BRUSHED STEEL	B & R, GODREJ, DORMA, HEFFLE, KICH, HETTICK.(ISI MARKED)
13	S.S. STAIRCASE RAILING/ ACCESSORIES	KICH, D-LINE, JINDAL STAINLEES STEEL LTD.(ISI MARKED)
14	FIRE CHECK DOOR	PROMAT, KUTTY DOOR, NAVAIR, SAINT GOBAIN, SIGNUM FIRE PROTECTION INDIA PVT. LTD.)
15	FIRE CHECK ACCESSORIES CALCIUM/ SMOKE SEAL STRIP/ DOOR, CLOSER LOCK	PROMAT, NAVAIR, ASTRO FLAME.
16	PREMIUM ACRYLIC EXTERIOR PAINT WITH LOW VOC / INTERIOR ACRYLIC PAINT AND PRIMER WITH LOW VOC/	ASIAN, BERGER, NEROLAC, DULUX
17	ANODISED ALUMINIUM HARDWARE (HEAVY DUTY)	CLASSIC HARDIMA, EVERITE, SIGMA (ISI MARKED)

18	HARDWARE FITTINGS	GODREJ, HFFLE, HETTICH, KICH, DORMA, POLYTUF (R.S. INDUSTRIES).
19	TEMPERED GLASS	MODL SAINT GOBAIN, ASAHI, MODI GUARD
20	POLYSTER POWDER COATING	NEROLAC, BERGER, J & N
21	ALUMINIUM SECTIONS	HINDALCO, INDALCO, JINDAL
22	FRICTION STAY HINGES	EARL-BIHARI, HETTICK, DORMA, HEFFLE.
23	NUTS, BOLTS AND SCREWS	HETTCK, HEFFLE, KICH, DORMA
24	EPDM GASKET	HANU, ANAND
25	STRUCTURAL SILICON/WEATHER SILICON	DOW CORNING, WACKER, 3M
26	ADHESIVE TAPE	NORTON, 3M (ISI MARKED)
27	GLAZED CERAMIC TILES / VITRIFIED TILES	KAJARIA, SOMANY, NITCO, ORIENT, CERA, JOHNSON
28	CEMENT CONCRETE TILES/ HARDONITE TILES	NITCO, HINDUSTAN, PODDAR, ULTRA TILES, NTC
29	TILE ADHESIVE	CICO, PIDILITE, FERROUS, BALENDURA, LETECRETE.
30	CHEQUERED TERRAZO TILES	NITCO, BHARAT, PODDAR, ULTRA TILES, NTC, CERA, SOMANY.
31	CLAY TILES ON ROOF	KENJAI, JOHNSON.
32	CC PAVERS	NITCO-{ROCKARD), PODDAR. ULTRA TILES
33	GRASS PAVER	UNISTONE, ULTRA
34	WATER-PROOF CEMENT PAINT/ SYNTHETIC ENAMEL PAINT/ PLASTIC EMULSION PAINT	SNOWCEM, ASIAN, BERGER, NERQLAC, DULUX
35	VITREOUS CHINA SANITARY WARE	PARRYWARE, HINDWARE, ESSCO, KOHLER SOMANY, CERA.
36	FIRECLY SINK & DRAIN BOARDS	PARRY, SUNFIRE
37	S.S. KITCHEN SINKS	NILKANTH, AMC, COBRA, SPC (SELECTED PRODUCTS CO.), CERA, M/S PRAYAG POLYMERS (P) LTD, KINGSTON (PLASTO CRAFT SANITARY INDIA PVT. LTD.)
38	C P BRASS BATH FITTINGS	JAQUAR, HINDWARE, KOHLER, SOMANY, PRIMA CERA, KINGSTON, PRAYAG, ESSCO (JAQUAR)
39	SOIL, WASTE & VENT PIPES & FITTING (A) CENTTIFUGAL CAST IRON	NECO, SKF, HE1'C0, BIC RPMF (RAJ PATIERN MAKERS & FOUNDERS PVT. LTD.) (ISI MARKED), RIF (RAI IRON FOUNDRY)
40	LA (CI) PIPES	NECO
41	G.I. PIPES	TATA, JINDAL (HISSAR), BANSAL, SURYA PRAKASH, SYNTEX.
42	GI FITTINGS (MALLEABLE CAST	UNIK, ZOLOTO

43	GUNMETAL VALVES	LEADER, SANT, ZOLOTO
44	STONEWARE PIPE & GULLY TRAPS	PERFECT, PARRY
45	R.C.C. PIPES (NP-2)	LAKSHMI, SOOD & SOOD, JAIN & Co.
46	MS PIPES	TATA, SAIL, JINDAL, ELECTRO STEEL
47	C.I. DOUBLE FLANGED SLUICE	KIRLOSKAR, IVC, BURN
48	C.I. DOUBLE FLANGED NON- RETURN VALVE	KIRLOSKAR, LEADER
49	C.I. MANHOLES COVERS	BIC, RIF,SPC (SLELECTED PRODUCTS CO.)
50	UPVC PIPE	SUPPEREME, PRINCE, FINOLEX, AKG, KISHAN (ISI MARKED)
51	BALL VALVES	ZOLOTO, IBP, ARCO
52	UNGLAZED VITRIFED TILES	JHONSON (ENDURA), SOMANY (DURASTONE)
53	SPIDER FITTINGS	DORMA, HEFELE,KICH,HETTICK
54	MINERAL FIBRE FALSE CEILING	ARMSTRONG, ANUTONE
55	LIGHT WEIGHT CALCIUM SILICATE FALSE CEILING TILES	AEROLITE, HILUX
56	ACOUSTICAL PANELS	ARMSTRONG, ANUTONE
57	6MM THICK TOUGHENED HEAT REFLECTIVE GLASS	SAINT GOBAIN, ASAHI, MODIGUARD
58	GLASS REINFORCED CONCRETE	UNISTONE, ULTRA, GYPROC.
59	UPVC WINDOW, VENTILATION AND DOORS	FENESTA, REHAU, NCL-VEKA
60	MULTI LATERED POLYCARBONATE PANEL/ FAÇADE SYSTEM	GE PLASTICS, DANPLAN
61	STAINLESS STEEL HARDWARE FITTINGS	DORMA, GODREJ, KICH, HAFFLE, HETTICK
62	HUBLESS PIPES & FITTINGS	NECO, SKF, RPMF, (RAJ PATTERN MAKERS & FOUNDERS PVT LTD.)
63	FRP DOOR SHUTTER AND FRAME	SPC (SELECTED PRODUCTS CO.) JAIN DOORS PVT. LTD, JAYNA (JAIN WOOD INDUSTRIES)
64	SOLID PVC CUPBOARD SOLID KITCHEN CABINET AND SOLID PVC DOORS.	RAJSHREE, SINTEX
65	PVC DOORS & FRAMES	RAJSHREE, SINTEX
66	ISI MARKED FLUSHING CISTERNS	HINDWARE, JINDAL, CERA, PARRYWARE, PRAYAG
67	MANUFACTURER OF MS STEEL SECTION WINDOWS, MS TUBLER SECTION WINDOWS & MS PRESSED STEEL DOOR FRAMES	SAN HARVIC, AGUE JANGID ENGINEERING WORKS

68	PTMT BATHROOM FITTINGS	M/S PRAYAG POLYMERS (P) LTD, POLYTUF (R.S. INDUSTRIES) KINGSTON (PLASTOCRAFT SANITARY INDIA LTD.)
69	SUPER PLASTICIZER	PIDILITE, FOSROC, SIKA, CICO, BASF,
70	FRP SHUTTER	FIBER GLASS ENGINEERS, ASHOO MODEL
71	CURTAIN CARRIER	VISTA LEVLOR OR EQUIVALNET
72	DRAPERY ROD	VISTA LEVLOR OR EQUIVALNET
73	TUBLAR SECTION WINDOW	M/S CLASSIC ENGINEERS & FABRICATOR, RAIPUR, M/S MULWIN INDUSTRIAL CORPORATION, KOLKATA
74	HARDNER	HARDCRETE OF SNOWCEM INDIA,MC DERITOP, DR FIXIT
75	EPOXY PRIMER & PAINTS	BERGER, PIDILITE, ASIAN, NEROLAC
76	PRIMER	ASIAN, ICI, BERGER, NEROLAC
77	PVC RAIN WATER PIPE & FITTING	FINOLAX, CLASSIC OF KISAN, ASTRAL,SUPREME, PRINCE
78	BIO TOILET	SINTEX OR EQUIVALENT AS PER SPECIFICATION
79	ALL SANITARY FITTING PTMT	PRAYAG, PRINCE, KLASSIC, SUPREME, ASTRAL
80	PP-R PRPE & FITTING	SINTEX, FINOLEX, ASTRAL, SUPREME, SFMC
81	SYNTHETIC POLYMERIC RUBBER COMPUND	ARMSTRONG, SUPERLON, VIDOFLEX
82	TEXTURE EXTERIOR WALL	BERGER. NEROLAC, ASIAN, ICI-DULUX
83	OIL BOUND DISTEMPER	BERGER. NEROLAC, ASIAN, ICI-DULUX
84	VIRTUOSOS CHINA WASH BASIN	HINDWARE / PERRYWARE /CERA
85	VITREOUS CHINA PEDESTAL FOR	PEDSTAL OF PERRYWARE / HINDWARE
86	VITREOUS CHINA FLOOR MOUNTED EUROPEAN W.C. WITHOUT/WITH CISTERN/ VITREOUS CHINA WALL HUNG W.C. WITH VITREOUS CISTERN (COMPONENT)/ ORISSA PAN/ VITREOUS CHINA HALF STALL URINAL/ VITREOUS CHINA WASH BASIN	PERRYWARE / HINDWARE /CERA
87	LOW LEVEL PVC CISTERN SINGLE FLUSH	SLEEK MODEL CISTERN OF PVC OF HINDWARE OR SLIMLINE DELUXE MODEL OF PERRYWARE, CERA JINDAL.
88	DUAL FLUSH FLUSHING CISTERN	SLEEK DUAL FLUSH PVC CISTERN OF HINDWARE OR SLIMLINE DUAL OF PERRYWARE, CERA

PART- C
(Minor Component)

PROFORMA OF SCHEDULES : A TO F

(FOR MINOR COMPONENT OF WORK)

SCHEDULE "A"

Schedule of quantities for E&M Works: Attached at Page No. .....

SCHEDULE "B"

Schedule of materials to be issued to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
NIL				

SCHEDULE "C"

Tools and plants to be hired to the contractor.

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
NIL				

SCHEDULE "D"

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

SCHEDULE "E"

Reference to General Conditions of Contract: General Conditions of contract for Central PWD construction work 2020 as amended/modified up to last date of submission of bid.

Name of work:		IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.
Estimated Cost of work		Electrical work Rs.3,92,400/-
(i)	Earnest Money	As given in Major Component
(ii)	Performance Guarantee	As given in Major Component
(iii)	Security Deposit	As given in Major Component

SCHEDULE 'F'

General Rules & Directions:

Officer inviting Tender: As given in Major Component

Definitions:

2 (i)	Engineer-in-Charge for electrical item of work	AC (Elect) – or successor thereof for electrical component
(ii)	Accepting Authority	As given in Major Component
(iii)	Percentage on cost of materials and Labour to cover all overheads and profits	15%
(iv)	Standard Schedule of Rates	Delhi Schedule of Rates 2025 with up to date correction slips & MR.
(v)	Department	Border Security Force (BSF)
(vi)	Standard CPWD Contract Form:	GCC 2023 construction work, CPWD Form 7 as modified& corrected up to date of opening of tender

Clause-1:

(i)	Time allowed for submission of Performance Guarantee, programme chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board or proof of applying thereof from the date of issue of letter of acceptance.	As given in Major component
(ii)	Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in (i) Above	As given in Major component

Clause-2:

(i)	Authority for fixing compensation under clause 2	As given in Major Component

Clause-5:

(i)	Number of days from the date of issue of letter of acceptance for reckoning date of start	As given in Major Component
(ii)	Time allowed for completion of	As given in Major Component

TABLE OF MILE STONES

Same mile stones as for major components shall be applicable for civil as well as electrical parts of the work. The electrical contractor will ensure that electrical components of the work are executed in time without giving any chance for slippage of mile stones on account of delay in execution of associated electrical works by him. However, in case mile stones are not achieved by the contractor for the project the amount to be withheld under clause 5 of the contract will be done by the Engineer-in-charge of major component only.

Authority to decide:

(i)	Extension of time	As given in Major Component
(ii)	Rescheduling of mile stones	As given in Major Component
(iii)	Shifting of date of start in case of delay in handing over of site	As given in Major Component

Clause-5.2:

Nature of Hindrance Register (either Physical or Electronic): As given in Major Component

Clause-6 :

(i)	Clause applicable - (Computerized Measurement Book)	Yes

Clause-7:

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

Clause-7A:

No Running Account Bill shall be paid for the work till the applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board, whatever applicable as submitted by the Bidder to the Engineer-in Charge	Applicable

Clause-7 B:

Whether clause 7 B shall be applicable	Yes

Clause-8A:

Authority to decide compensation on account if contractor fails to submit completion plans	As given in Major component

Clause-10A:

List of testing equipment's to be provided by the agency at site lab	Enclosed at page No……..

Clause-10B (ii): Not applicable

Clause-10 C: Applicable

Component of labour expressed as percent of value of work	15%

Clause-10CA: As per Major Component

S. No.	Material covered under this clause	Nearest Materials (other than cement, reinforcement bars and the structural steel) for which All India Wholesale Price Index shall be followed.	Base Price of all Materials covered under clause 10 CA (**Bare Rates without GST**)
Nil			

Clause-10 CC : Not Applicable

Clause-11:

Specifications to be followed for execution of work:	
Electrical work	1. CPWD General Specifications for Electrical Works (Part-1) Internal – 2023, with up to date correction slips. 2. CPWD General Specifications for Electrical Works (Part-II) for External 2023 with up to date correction slips. 3. CPWD General Specifications for Electrical Works (Part-IV) for Sub-station 2013 with up to date correction slips. 4. CPWD General Specifications for Electrical Works (Part-III) for Lift – 2003with up to date correction slips. 5. CPWD General Specifications for Electrical Works 2013 (Part-VII) for DGSet with up to date correction slips. 6. CPWD General Specifications for Electrical Works (Part-V) for wet riser and sprinkler system – 2020 with up to date correction slips. 7. CPWD General Specifications for Electrical Works Heating, ventilation & Air conditioning (HVAC) - 2024 with up to date correction slips. 8. CPWD General Specifications for Electrical Works (Part-VI) for Fire Detection and Alarm System -2018

Clause-12:

Type of work: Original Work / Renovation Work

12.2 &12.3	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for building work	100%
12.5	Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work (except items mentioned in earth work sub head in DSR and related items)	100%
	Deviation Limit for items mentioned in earth work sub head of DSR and related items.	100%

Clause-16:

Competent Authority for deciding reduced rates:	
Elect. work	2IC/ DC (Electrical) Or successor thereof

Clause-18:

List of mandatory machinery, tools & plants to be deployed by the contractor at site:
As per list enclosed and as required refer in page no.....

Clause-19 :

Schedule of rate of recovery for defaults committed in respect of clause 19 and its sub clauses hereof in terms of delay days:

S. No.	Clause	Rate of recovery for default (Rs.)
1	19C	As given in Major Component
2	19D	
3	19G	
4	19K	

Clause 25

Conciliator:	As provided in Schedule "F" of Major Component.
Arbitrator appointing authority:	
Place of Arbitration:	

Clause-32: As provided in Schedule „F" of Major Component.

Requirement of Technical Representative(s) and Recovery Rates :

Clause 38

(i)	(a)	Schedule / statement for determining theoretical quantity of cement and bitumen on the basis of **Delhi Schedule of Rates 2023** printed by the CPWD	:	**D.S.R- 2025 with upto date correction slips**
(ii)		Variations permissible on theoretical quantities:		
	a)	Cement	:	
		For works with estimated cost put to tender not more than Rs. 25 lakh.	:	As per Major component
		For works with estimated cost put to tender more than Rs. 25 lakh.		
	b)	Bitumen for all works	:	
	c)	Steel Reinforcement and structural steel sections for each diameter, section and category	:	
	d)	All other materials	:	

ANNEXURE

Clause 10 – A & 18

List of mandatory machinery, tools and plants & testing Equipment to be deployed by the contractor at site.

1.	Steel/Aluminum Ladder 1.5 m to 8 m	2 Nos
2.	Chase cutting machines	2 Nos
3.	Electrical wire drawing equipment.	2 set
4.	Torque wrench for nut/bolt/screws	2 Nos
5.	Conduit die set.	2 set
6.	Pipe vice.	1 No
7.	Bench vice.	1 No
8.	L.T. Meggar 500/1000 volts.	1 No
9.	Tong Tester.	1 No
10.	Multimeter.	1 No
11.	Hydraulically operated & hand operated crimping machine	1 No
12.	Earth tester	1 No
13.	Portable Ordinary drilling machine	2 Nos
14.	Portable Hammer drilling machine	2 Nos
15.	Overhead conduit puller.	1 No

PROFORMA – "A"

PROFORMA FOR ASSOCIATING AGENCY FOR E&M WORKS

I/we hereby propose the following agency for execution of E&M work component mentioned herein. Consent Letter (Form-„G") from the proposed associated agency will be produced at the time of award of work within 7 days after being the lowest bidder.

Name of work: IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.

a) Component of E&M Work : ....

b) Name of Associated Agency : ....

c) Details of Enlistment : ....

d) Category and Class of Enlistment : ....

e) Monetary limit of work in Enlistment : ....

f) Validity of Enlistment : ....

g) Copy of Enlistment Order attached : (Yes /No)

h) Copy of electrical contractor license attached: (Yes /No)

i) Copy of completion certificates of similar work experience attached (Yes /No)

j) Copy GST Registration attached (Yes/No)

k) Copy PAN Card Attached (Yes/No)

l) Consent Letter of agency attached (Yes/No)

Encls: Self Attested photocopies of as stated above.

Seal & Signature of the Main Contractor

SPECIAL CONDITIONS (FOR ALL E & M COMPONENTS)

1. Copy of Electrical License of eligible class of the bidder.

   (a) In case, bidder does not have electrical license, he shall scan and upload following undertaking along with bid documents,

   "I/We will either obtain valid electrical license at the time of award of work or associate contractor having valid electrical license of eligible class. Before award of the work, the L-1 bidder will submit the electrical license or MoU with the other appropriate electrical license holder firm within week time, failing which the work may not be accepted".

   (b) The L-1 bidder after award of work can change the electrical license holder firm during the execution of work with prior intimation to the concerned DC (Elect).

   Associate Agency of the respective components of E&M work shall also be submitted as per attached **Proforma - A.**

2. In case the main contractor is himself eligible (as per eligibility criteria) for executing any specific minor component and intends doing the job himself, he may not be required to associate with another agency for that minor component of work. In Psuch cases the main contractor also has to submit the documents as per eligibility criteria mentioned for associated agency of individual E&M component.

3. In support of the eligibility conditions of the proposed associated electrical contractor, copy of their registration documents, Electrical Contractor's License, PAN Card, GST Registration and verifiable work completion certificates duly attested by the applicants (Main Contractor) shall be submitted to the concerned (Minor Component in–charge) Executive Engineer (Electrical) for deciding the eligibility. Proposal for associating agency for minor components of work shall be submitted in Form- "H" of this tender document from each associate independently for all electrical and mechanical components.

4. The Executive Engineer (E) will give approval for associating within 7 days after receipt of proposal from contractor, if submitted documents are found in order.

5. Thereafter, the main contractor will have to submit MOU signed with the approved associated agency for minor component. The MOU in the enclosed form (**Form– "I"**) shall be signed by both the parties i.e. main contractor as 1st party and associated electrical contractor as 2nd party for all electrical and mechanical components and submit the same within 7 days of receipt of approval from Executive Engineer(E).

6. The main contractor has to enter into agreement with contractor associated by him for execution of minor component. Copy of such agreement shall be submitted to Executive Engineer (E) in charge of minor component as well as Executive Engineer, in-charge of major component.

7. In the event of the concerned E&M agency (Associated agency) is not performing satisfactorily or failure of associate contractor to complete the E&M work, shall remove the associate agency deployed on the work and shall submit name of new associate agency who fulfills the conditions mentioned in NIT to execute the left-over work without any loss of time or variation in cost to the department. Such associate agency shall also give an undertaking along with the main tenderer that both of them shall stand guarantee for the equipment's already supplied for which payment has been released by the Department, in part. If any equipment supplied for the work, during the currency of the earlier Associate contractor and paid partly by the Dept., becomes redundant / not in a position to be installed and commissioned and put to beneficial use due to change in agency for execution of E&M work, the main contractor shall be liable for replacement of the equipment(s) at no cost to Department. No change of Electrical Contractor will be allowed without prior approval of the Engineer-in-charge of the work.

8. Materials for all E & M works shall be procured only from the original equipment manufacturers / authorized dealers of OEM. The contractor shall submit all documentary details in fulfillment of this condition regarding procurement of materials including relevant test certificates.

9. Executive Engineer (E) shall be the Engineer-in-charge as far as electrical works are concerned. Separate tender schedule abbreviated CPWD-7 and Special Conditions for Electrical Work are appended with this tender. It will be obligatory on the part of the contractor/ tenderer to sign the tender documents for all the component parts.

10. The main contractor shall be responsible and liable for proper and complete execution of the Electrical and Mechanical component of works and ensure coordination and completion of both civil and electrical work.

11. The associate contractor or his representative along with main contractor or his representative shall attend the inspection of the work by the Engineer-in-Charge of E&M works as and when required.

12. Before completion of defect liability period of one year, the main contractor has to submit Security Deposit of 2.5% of the price quoted by him for SITC of LED fittings for the remaining 4 years warranty period in acceptable form i.e. FDR / Bank guarantee.

Form- "G"

CONSENT LETTER FROM ASSOCIATE AGENCY FOR E&M WORKS

Name of work: **IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.**

Agreement No :.....

I/We hereby give my consent to associate with M/s ..... ,for executing the minor component of work of..... (Mention category).

I/We will execute the work as per specifications and conditions of the agreement and as per directions of the Engineer–in-Charge for the corresponding minor work till the completion of the work.

I/We will be responsible for necessary action to hand over the installations and for rectification of defects and repair during the maintenance /warranty period.

Also I/We will employ full time technically qualified Engineer/supervisor for the minor component of the work as required for the work. I/We will attend inspection of officers of the department as and when required.

Applicable for Internal El Component:

I/We will agree that I/we will obtain undertaking from LED manufacturers for 5 years warranty and submit to Engineer –in-charge.

I/We agree to submit security deposit in acceptable format (FDR/BG/DD) @5% of rates quoted for LED fittings be for expiry of defective liability period of one year for the remaining warranty period of 4 years which will be refunded after completion of 5 years warranty.

Date :

Signature with date of Major component

Signature with date of Associate / Minor Component Contractor
Contractor Address

Address

Witness with address
(From major component contractor side)

Witness with address
(From minor component contractor side)

Correction = Nil, Insertion Nil, Omission = Nil. AC (Elect) 2IC/DC(Works)

FORM –"H"

PROFORMA FOR ELIGIBLE ASSOCIATING AGENCIES FOR MINOR COMPONENTS OF WORK

NAME OF WORK: IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.

Agreement No :.....

I/we here by propose the following agencies as per mentioned against each for executing corresponding minor component so work. Their consent letter are also attached

Sl. No	Name of Associated Contractor	Category and class of registration	Enlistment copy/completion Certificates attached	Monetary Limit Of work	Validity of registration	Consent letter attached (Yes/No)
1.						
(Part-C) SH-(A) Electrical Installation.						

Note : Self Attested photocopies of enlistment order, valid electrical contract or license, annual pre-qualification order, work experience certificates of each agency for each component to E&M work shall be submitted.

Signature of contractor.

Form- "I"

MEMORANDUM OF UNDERSTANDING (MoU)

1] M/s [Name of the firm with full address] Enlistment Status

Valid Upto:

[Henceforth called the main contractor]

And

2] M/s [Name of the firm with full address] Enlistment Status

Valid Upto:

[Henceforth called Associated E&M Contractor or Electrical Contractor]

For the execution of .....(mention category) component of E&M work in the contract for the work : **IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.** as per Schedule of Quantities, Specifications, Terms and Conditions of the said contract.

We state that MoU between us will be treated as an agreement and has legality as per Indian Contract Act (amended up to date) and the department (BSF) can enforce all the terms and conditions of the agreement for execution of the above work. Both of us shall be responsible for the execution of work as per the agreement to the extent this MoU allows. Both the parties shall be paid consequent to the execution as per agreement to the extent this MoU permits. In case of any dispute, either of us will go for mediation by the Engineer-in-charge of E&M work. Any of us may appeal against the mediation to the As given in Major Component. His decision shall be final and binding on both of us.

We have agreed as under:

1. The electrical contractor will execute all electrical works in the wholesome manner as per terms and conditions of the agreement.
2. The electrical contractor shall be liable for disciplinary action if he fails to discharge the action(s) and other legal action as per agreement.
3. All the machinery and equipment, tools and tackles required for execution of the electrical works, as per agreement, shall be the responsibility of the Electrical Contractor.
4. The Technical and other site staff required for the said E&M work shall be arranged by the Electrical Contractor as per terms and conditions of the agreement.
5. Site order book maintained for the said work shall be signed by the main contractor as well as by the Engineer of the Associated E&M Contractor or Associated E&M Contractor himself.
6. All the correspondence regarding execution of the electrical work shall be done by the department with the Associated Contractor with a copy to the main contractor. In case of non-compliance of the provisions of agreement, the main contractor, as well as the associated contractor shall be responsible. The action under clauses 2 and 3 shall be initiated and taken against the main contractor.

Date:
Place:

Signature of Main Contractor Signature of Associated E&M Contractor

1. Witness with address (From major component contractor side) 2. Witness with address (From minor component contractor side)

Correction = Nil, Insertion Nil, Omission = Nil. AC (Elect) 2IC/DC(Works)

WILLINGNESS CERTIFICATE

NAME OF WORK: IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.

I hereby give my willingness to work as electrical contractor for the specialized work of "_____" in the above mentioned work. I will execute the work as per specifications and conditions for the agreement and as per direction of the Engineer in- Charge. Also, I will engage full time technically qualified supervisor/engineer for the works. I will attend inspections of officers of the department as and when required.

Date: _____

Place: _____

[Signature of the Associate Electrical
Contractor][Stamp with Address]

GENDERAL TERMS AND CONDITIONS

NAME OF WORK: IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.

General

The copy of CPWD General Specifications are readily available in CPWD website www.cpwd.gov.in under the link publication.

Location:

Work shall be carried out at _____. The contractor is advised to visit the site of work to have an idea of the execution of the work; failure to do so shall not absolve their responsibility to do the work as specified in agreement. The brief about work is that it consists of providing internal Electric Installation work i/c luminaires, DBs, lighting conductor, etc for to be constructed at BICIT Campus BSF New Delhi.

The work shall be executed as per CPWD General Specifications for Electrical works part-I (internal) 2013, Part-II(external)1995, as amended upto date, relevant I.E. Rules, industry standards, BIS/IES and as per directions of Engineer-in-charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these Specific conditions, as the same are to be read along with schedule of works for the work.

The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.

No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

Commercial Conditions

Type of contract

The work to be awarded by this tender shall be treated as indivisible works contract.

1. **Terms of payment**

On account payments for part work (after stipulated and statutory deductions) as assessed by the Engineer–in-charge for the applicable items in the Contract shall be payable at part rates not exceeding the percentage indicated against the stages of work.

S.No	Stage of work	Percentage of Rate On Tendered Amount
(a)	Supply of material at site in good condition along with manufacture's test reports.	70%
(b)	On completion of installation in all respect.	20%
(c)	Testing, Commissioning & handing over to The department.	10%

For other items, the part rates will be decided by the Engineer-In-Charge of the work and shall be binding on the contractor.

2. Security Deposit

Security Deposit shall be deducted from each running bill and the final bill to the extent of 2.5% of the gross amount payable subject to a maximum amount of 2.5% of the tendered value. The security deposit shall be released on the expiry of guarantee period of 12 Months stipulated in the contract.

3. Performance Guarantee

As per major component of work.

Income Tax, labour cess & other statutory deductions etc shall be made at source as per the prevalent laws. The deductions of Security Deposit, Income-Tax, GST etc. shall be done after calculation of the above due payments as per clauses 3.1 to 3.3 and net payment shall be reduced accordingly.

4. Rates

The rates quoted by the tenderer, shall be firm and inclusive of all taxes including GST and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc at site including temporary construction of storage, risks, overhead charges, general liabilities/obligations and clearance from Local Body. However, the fee for the Local Body inspections shall be borne by the department.

The department will not issue Octroi exemption certificate.
The contractor has to carry out maintenance as per manufacturer's standards for a period of 12 months from the date of handing over. Nothing extra shall be paid on this account.

5. Completeness of Tender

All sundry equipment, fittings, unit assemblies, accessories, hardware items, foundation bolts, termination lugs for electrical connections and all other items which are useful and necessary for efficient assembly and installation of wall fan and components of the work shall be deemed to have been included in the tender irrespective of the face whether such items are specifically mentioned in the tender documents or not.

6. Storage and Custody of Materials

For storage of sundry materials and erection equipment's or else the agency has to make his own arrangements. No separate storage accommodation shall be provided by the department. Watch and ward of the stores and their safe custody shall be the responsibility of the contractor till the final taking over of the installation by the department.

7. Care of the Building

Care shall be taken by the contractor while handling and installing the various equipment's and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

8. Completion Period

The completion period indicated in the tender documents is for the entire work of planning, designing, approval of drawings etc arrangement of materials & equipment's, delivery at site including transportation, installation, testing, commissioning and handing over the entire system to the satisfaction of the Engineer-in-charge.

9. Guarantee

All equipment's shall be guaranteed for a period of as per major component from the date of taking over the installation by the department, against unsatisfactory performance and /or break down due to defective design, workmanship or material. The equipment's or components, or any part thereof, so found defective during guarantee period shall be forthwith repaired or replaced free of cost, to the satisfaction of the Engineer-in-charge. In case it is felt by the department that undue delay is being caused by the contractor in doing this, the same will be got done by the department at the risk and cost of the contractor. The decision of the Engineer-in-charge in this regard shall be final & building on the contractor.

The tender shall guarantee among other things, the following: -

a) Quality, strength and performance of the materials used as per manufacturers standards.

b) Safe mechanical and electrical stress on all parts under all specified conditions of operation.

10. Power Supply

In any case, electricity connection at one point shall be provided by client/department, if available and agreed by client department. However, contractor shall be responsible for arranging power supply and there shall be no obligation from department to make available power supply for execution of work and while quoting, contractor has to keep in mind that power and water has to be arranged by contractor himself at his own cost and included in the quoted rates. No hindrance on account of non- availability of power supply from client department or BSF shall be considered and contractor shall be responsible for any delay in work on account of above.

11. Water Supply

Arrangement of Water supply for testing & for successful installation & completion of the system shall be in the scope of successful firm without any extra cost.

12. Acceptable Makes of Various Equipment's

The acceptable makes of various equipment's/components/accessories have been indicated in "Schedule of work". The tenderer shall work out the cost of the offer on basis of acceptable makes alongwith other terms & conditions of contract. Alternate makes are not acceptable. For makes not available in the contract, contractor shall submit at least three makes for approval by Engineer-in-charge. Only makes approved in writing by Engineer-in-Charge shall be used at site. Any material brought at site without prior approval of Engineer-in-charge may be rejected, even if the make is available in NIT and contractor shall be responsible for any such rejection of material.

13. The successful tenderer should furnish well in advance three copies of detailed instructions and manuals of manufacturers for all items of equipment's regarding installation, adjustments operation and maintenance including preventive maintenance & trouble shooting together with all the relevant data sheets, spare parts catalogue etc all in triplicate.

14. Extent of work

The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and adjustments and commissioning, as may be required by the department. The term complete installation shall not only mean major items of the plant and equipment's covered by specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation with all layout charts whether or not those have been mentioned in details in the tender documents in connection with this contract as this is a turnkey job. The site of work is scattered and spread orlarge area consisting of hilly and rolling terrain. The quoted rates shall be deemed to be inclusive of all kind of leads, lifts, clearing of site/jungle and nothing extra shall be paid, whatsoever on such account.

15. In addition to supply, installation, testing and commissioning of complete installation,, following works shall be deemed to be included within the scope of work to be executed by the tenderer as this is a turnkey job

(i) Minor building works necessary for installation of equipment's, foundation, making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc. as required.
(ii) All supports for rising mains, cables and MS channels for erection of panels, etc as are necessary.
(iii) Getting Local Body inspection done & obtaining approval for energizing the installation if required. However, necessary fees for inspection shall be borne by the Department.

(iv) Arrangement of electric supply (Single / Three phase) and water supply for execution and successful commissioning of the system.
(v) Small wiring, inter-connection etc inclusive of all materials and accessories, necessary to comply with the regulations as well as proper and trouble free operation of the equipment.
(vi) Closing of the cable entry points in sub-station against seepage of water, rodents etc.
(vii) Tools and tackles required for handling and installation.
(viii) Necessary testing equipment's for commissioning.
(ix) Watch and Ward of materials and/or installation and equipment's till their handling overto the department.
(x) All minor building works, such as equipment's foundation if required cutting and making good holes, grouting of channels belts as required. Cutting and making good damages etc.
(xi) Provision of supports/clamps for equipment's, cables etc wherever required.
(xii) Arranging necessary load for full load testing of Transformer and DG sets, in case same is not available with Client department.

16. Works to be done by the Department

Unless otherwise mentioned in the tender specifications the following works shall carried outby the department.

i) To make the site available for the work. The contractor should select such equipment for installation as can be properly installed in the spaces shown in specification drawings. While no guarantee can be given minor modification required by the contractor if mentioned in the tender or intimated immediately after the receipt of tender shall be carried out if structurally possible.

Exclusion and work to be done by other agencies:

The following shall be excluded from the scope of the work:

a) Major dismantling of any existing building work.

17. Inspection and Testing

All the tests certificate of the equipment's are required to submit alongwith delivery of material.

Exclusion and work to be done by other agencies:
The following shall be excluded from the scope of the work:

a) Major dismantling of any existing building work.

Copies of all documents of routine and type test certificates of the equipment/cable carried out at the manufacturer's premises shall be furnished to the Engineer-in-charge and consignee.

After completion of the work in all respects the contractor shall offer the installation for testing and operation.

18. Validity

Tenders shall be valid for acceptance for a period as per major component of work from the date of opening.

Compliance with Regulations and Indian Standards

All works shall be carried out in accordance with relevant regulation, both statutory and those specified by the Indian standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

i) Factories Act
ii) Indian Electricity Rules
iii) BIS & other standards as applicable
iv) Workmen's compensation Act
v) Statutory norms prescribed by local bodies, Power supply co., etc.

Nothing in this specification shall be construed to relieve the successful tenderer of his responsibility for the design, manufacture and installation of the equipment with all accessories in accordance with currently applicable statutory regulations and safety codes.

19. Successful tenderer shall arrange for compliance with statutory provisions of safety regulations and departmental requirements of safety codes in respect of labour employed on the work by the tenderer. Failure to provide such safety requirement would make the tenderer liable for penalty of Rs. 500/- for each default. In addition, the department will be at liberty to make arrangement for the safety requirements at the cost of tenderer and recover the cost there of from him.

20. Indemnity

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

21. Erection Tools

No tools and tackles either for unloading or for shifting the equipment's for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

22. Cooperation with other agencies

The successful tenderer shall co-ordinate with other contractors and agencies engaged in the construction of buildings, if any, and exchange freely all technical information so as to make the execution of this work/contract smooth. No remuneration should be claimed from the department for such technical cooperation. If any unreasonable hindrance is caused to other agencies and any completed portion of the work has to be dismantled and re-done for want of cooperation and coordination by the tenderer during the course of work, such expenditure incurred will be recovered from the successful tenderer if the

restoration work to the original condition or specification of the dismantled portion of the work was not undertaken by the tenderer himself.

23. The work will be carried out with least disturbance during shifting & shut down taken in consultation with the client department.

24. Verification of correctness of equipment at Destination

The contractor shall have to produce all the relevant records to certify that the genuine equipment's from the manufacturers has been supplied and erected.

25. Painting

This shall include cost of painting of the entire installation.

26. Maintenance

Sufficient trained and experienced staff shall be made available to meet any exigency of work during the guarantee period of 1 year from the handing over of the installation.

27. Interpreting specifications

In the case of discrepancy between the schedule of Items, the specification and/ or the drawings, the following order of preference shall be observed:-

i. Schedule of Work.
ii. Specific Conditions.
iii. General Terms and Condition.
iv. Drawings.
v. CPWD Specifications.
vi. NBC – 2016
vii. Indian Standard Specifications of B.I.S.
viii. Special conditions & additional condition mentioned in part-B of NIT
ix. General Terms & Condition mentioned in part-B of NIT

However, the order of preference provided is in general and higher of specifications available in above documents/acts/codes shall be followed. Contractor is advised to quote the rates accordingly keeping in mind that highest of specification available shall be adopted.

28. General Terms & Condition, Special conditions & additional condition mentioned in part-B of NIT (i.e. Civil Component of work) shall also be applicable for part-C of NIT as well if not specifically mentioned in Part-C of NIT.

29. Excavation shall include hard rock excavation as well and nothing extra shall be paid on this account.

30. In case cable is laid at depth less than as mentioned in NIT/CPWD specifications recovery at Rs. 15 per 10 cm depth /meter of cable length shall be recovered from bill. This shall also be applicable for GI pipe work, DWC pipe work, Earthing work as well.

31. Challan & Test Certificate for all items amounting more than Rs. 25000/- shall be

submitted along with running bill in case both challan & Test certificated are not submitted R.A. bill shall not be considered & contractor shall be responsible for any delay in payment. However, contractor RA bill shall be cleared after withholding 10% of TA of item against non-availability of Challan & test certificates, if agreed by contractor. However, in any case without submission of Challan & test certificates to department final bill shall not be considered as submitted and delay in processing of final bill arising out of such non submission of challan and TC shall entirely be upon contractor

32. Contractor shall submit cable route plan for approval before start of cable work. In case drawings for area / layout is not available with department these drawings shall be prepared by contractor at his on cost. For the purpose of assessment of work contractor is advised to visit the site to get familiar with site conditions before quoting his rates

33. For all Extra items OR deviation items payable at market rates, contractor shall submit copy of original Invoice of material alongwith proof of payment (i.e.RTGS receipt, bank statement etc).

34. All cabling & street light work shall be carried out as per CPWD specifications (External) 1995.Contractor shall obtain written clearance from JE/AE in charge of work before refilling the excavated trenches, otherwise it shall be presumed that contractor has not excavated required depth and item/component of item for excavation and refilling for trenches shall not be paid and contractor shall be responsible for such non- payment.

35. Contractor shall get approval of Makes & Models of material before their use at site. The technical specifications / catalogue shall also be submitted along with submission for approval. In case unapproved material is found to be used /installed at site or kept at site store for installation, department shall not only confiscate such material but also be at liberty to recover cost for removal of material from site from contractor's bill.

36. Contractor shall be fully responsible for shifting of services encountered at site like electrical lines/power cables / telephone, tv, data cables/electric poles/light poles/feeder pillar (whether energized or not)/dismantling and handing over such material to department. For shifting of such services including dismantling of such material required for smooth working at site, nothing extra shall be paid. Contractor is advised to visit site before quoting his rates.

37. List of Acceptable makes has been provided in NIT. For each item to be used at site, contractor shall submit model number for each item of minimum three different make for approval by Engineer-in-charge. Only approved make & model/material shall be used at site. Any material found at site which has not been approved can be rejected and shall not be paid. Contractor will be solely responsible for non-payment due to use of non-approved material. The submission for material approval shall be minimum two weeks before its use at site.

38. No drawing/technical submittal shall be accepted through email. Hard copy of drawings duly signed by Contractor‟s Engineer will only be approved.

39. All the LED bulbs/LED fittings and Substation equipments viz transformer/HT panel/CSS shall be guaranteed for a period of 5 years. All items except LED

bulbs/LED fittings and Substation equipment's viz transformer/HT panel/CSS shall be guaranteed for a period of one year. Contractor will give warrantee certificates to the department for all items.

40. In case of any discrepancy in the size of the items elaborated in the Schedule of Work, the material of next higher size available in the market to that of the size specified in the Schedule of Work shall be provided without any extra cost.
41. If the material specified in the Schedule of Work become non available due to technology advancement or otherwise then the product of better specifications shall be accepted provide there is no functional change of requirement without any extra cost.
42. All the material viz. CSS, DG set, substation panel/HVAC panel, fire alarm system etc shall be BMS compatible.
43. In case of variation in the light fitting wattage/specifications then the fittings having more lumens per watt shall be preferred and better specification products shall be accepted.
44. In case of any discrepancy/Non availability about the availability of material of requisite specification/size/design as per SCHEDULE OF WORK the same shall be brought to the notice the deptt. within one week from the publication of bid, otherwise it shall be deemed that the Agency has no objection about the size/design/ specification of the material as depicted in the Schedule of Work. In that case, the item of higher/better specification/size shall be provided during execution without any extra cost and without alteration of the functional requirement.
45. The Contractor shall offer for factory inspection for any Electrical equipment/material having value more than 15.00 lacs.

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SPECIFIC CONDITIONS

FOR ELECTRICAL INSTALLATION

1. All hardware items such as screws, thimbles, G.I. wires etc. which are essentially required for completing an item as per specifications will be deemed to be included in the item even when the same have not been specifically mentioned.
2. All hardware materials such as nuts/bolts/screws/washers etc. to be used in the work shall be zinc/cadmium plated iron.
3. Any conduit which is not be wired by the contractor shall be provided with GI fish wire for wiring by some other agency subsequently. Nothing extra shall be paid for the same.
4. While laying conduit, suitable junction boxes shall be left for pulling the wires.
5. Copper wire shall be FRLS PVC insulated multi-stranded conductor. Termination of multi- stranded conductors shall be done using crimping type thimbles at both the ends. Nothing extra shall be paid for the same.
6. Material to be used in the work shall be ISI marked. The makes of material have been indicated in the list of acceptable makes. No other make will be acceptable. The material to be used in the work shall be got approved from the Engineer-in-Charge before its use at site. The Engineer-in-Charge shall reserve the right to instruct the contractor to remove the material which, in his opinion, is notes per specifications.
7. Where switches/sockets/telephone outlets are to be provided, the same shall be of only one make and GI box shall be of same make as Modular switch/socket.
8. The earthing shall be carried out in the presence of the Engineer-in-Charge or his authorized representative. Earthing shall be accepted only after verification of earth resistance at site by Engineer-in-charge or his authorized representative.
9. All fittings/fans will be earthed as per specifications.
10. Sockets used shall be interlocking shutter type.
11. Following markings shall be provided on LED lights for guarantee/warranty condition free of cost by agency:-
    a) Name of Agency :-
    b) Date of Installation:-
    c) Warranty valid upto:-

Non providing of such marking shall attract recovery, recovery will be decided by the Engineer-in-Charge and shall be recovered from bill.

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FORM OF SUPPLEMENTARY AGREEMENT

This Agreement made this day the ..... 20..... between .....hereinafter called the First Party which expression shall include his heirs, executors and administrators/their successors and assigns and the President of India, hereinafter called the Second Party, which expression shall include his successors and assigns, shown as under:

1. That this Agreement shall be called as Supplementary Agreement to the Agreement No.....relating to the Name of workentered into by the parties

   to this Agreement.

2. That WHEREAS the First Party has substantially completed the execution of the work described in and covered by the Agreement No.....except the items
   mentioned in the Schedule annexed to this Agreement and whereas the items of the work mentioned in the Schedule annexed to this agreement cannot now be executed on account of Comprehensive maintenance of the lifts, and some other work; and whereas both the parties are desirous that the items mentioned in the Schedule annexed to this Agreement should be executed by the First Party after the completion of the sanitary work, electric installation and some other work, it is hereby further agreed as under :

(a) That First Party shall and will execute the work covered by the items mentioned in the Schedule annexed to this Agreement at the rates and as per the terms and conditions of the original Agreement No whatsoever called upon to do so by the Engineer-in-charge, within a period of one year from the date hereof.

(b) That the First Party shall have absolutely no claim of whatsoever nature against the Second Party for doing the work mentioned in the Schedule annexed to this Agreement as required under clause (a) above, except that which he would be entitled to under the original Agreement No..... .....

(c) That the First Party shall have to execute all the items which the Engineer-in-charge consider necessary.

(d) That the First Party shall start with the work of the remaining items mentioned in the Schedule annexed to this Agreement within ..... days from ..... on the receipt of a letter to the effect from the Engineer-in-Charge or from any date fixed in the said letter and shall complete the said work within the time fixed by the Engineer-in-Charge or as extended by him from time to time.

(e) That on the due execution and completion of this Agreement by the parties, the bill of the First Party in relation to the work already done by him under the Original Agreement No. .....shall be provisionally finalized by the Second
   Party and payment on account, if any amount due, shall be made to the First Party provided that the Second Party shall have a right to retain such amount as is considered reasonable by him as a security for the execution of the work mentioned in the Schedule annexed to this Agreement and the Second Party shall have right to deal with the said amount of security as he thinks proper under the terms and conditions of the Original Agreement. Further, on the due execution and original completion of this Agreement, the First Party shall be entitled to claim back his security deposit relating to the work in question, subject to the right of the Second Party to retain such amount as mentioned elsewhere in this NIT, after the maintenance period of 5 year, as the case may be mentioned in clause of the Original Agreement, is over.

(f) That the final bill relating to the entire work under the two agreements shall be prepared after the completion of the entire work covered by Agreement No. ..... and this Agreement. (3) Except as modified by this Agreement the said Agreement No..... shall remain in full force and effect.

IN WITNESS WHEREOF THE ABOVE MENTIONED PARTIES HAVE PUT THEIR SIGNATURE ON THIS DAY THE.....

BUILDING DRAWINGS & SPECIFICATIONS

1. The Contractor shall submit to the Engineer-in-charge two copies of Building Drawings for Electrical work for approval before start of work. Subsequent to the approval of the shop drawings, the Contractor shall submit six copies of Building Drawings for execution to the Engineer-in-Charge.

2. Building drawings shall be submitted for the following conditions:

   (a) Conduit layout plan
   (b) Layout plan indicating location and heights of all fitting, fixtures
   (c) Single Line Diagram for Distribution Circuit starting from Main Supply till DBs indicating capacities of components.

3. The Contractor can only commence the work after the approval of above documents by Engineer-In-Charge.

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COMPLIANCE TO MAKE IN INDIA POLICY

1. Public Procurement (Preference to Make in India) order 2017 issued by competent authority of Government of India shall be implemented during selection of materials and execution of work accordingly. Any Manufacturer if not included in the approved make list, may be considered by the Engineer-in-Charge provided such manufacturers comply the above policy along with their product meeting the specifications and other details of the required item.

2. All the material supplied by the Agency should be in line with the Make in India guidelines, if there are some makes fulfilling the specifications & Make in India guidelines, then same should be brought to the notice of this office for necessary action.

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List of approved makes to be incorporated in tender documents (E&M Works)		
S.no.	**Details of material/equipment**	**Manufacturer`s name/make**
	I.E.I., MCB DB & MCB, cable & Wires	
1	MCB,Isolator, Industrial PlugSocket, RCCB, RCBO`s	Schneider Electric ACTI-9(N)/ Legrand(DX3)/ Hager/ L&T(Exora)/ ABB(S200M)/ Seimens(Betaguard)/Havells/Indoasian(optipro)/ Anchor by Panasonic /Polycab/~~HPL~~/C&S
2	MCBDB & Loose wire Box	Schneider Electric / Legrand/ Hager/ L&T/ ABB(Elegance) / Seimens/Havells /Indoasian (optipro)/Anchor by Panasonic /Polycab/~~HPL~~/C&S
3	Change Over Switch	L&T/ Havells/ ~~HPL~~/ Hager/Indoasian/Anchor by Panasonic
4	Automatic ransfer switch(ATS)	Asco/ Russel/ Socomac/ Hager/ ABB/ L&T/Havells/~~HPL~~
5	FRLS PVC ins. Copper cond. Single core cable for wiring (ISImarked)	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ ~~Paragon (Electron)/ Lapp/Grandlay/Bonton/V-Marc/Anchor/Plaza cables/ Paramount cables/Svarn/NEC /KVVS /HPL /Harson/JMW KABEL/Gloster/AKG~~
6	Armoured/ Unarmoured telephone cable, coaxial cable	Delton/Finolex/ RR Kabel/ Havells/Bonton/ Anchor/Plaza cables/Svarn/NEC/ KVVS/ HPL/AKG
7	MS Conduit (ISI marked) withheavy duty MS Conduit pipe accessories.	BEC/ NIC/ AKG/ RMCON/JPC/Steel Kraft (Note:- the make of accessories shall be same that of conduit pipe & will comply to IS/14768 part2 2003)
8	PVC Conduit (ISI marked) withheavy duty PVC Conduit pipe accessories.	AKG/ norpack/ BEC/ Polypack/ Precision/Anchor / Polycab/Harson
9	Modulear Switch, Socket/Telephone socket/ cableTV Socket/ Data outlet socket/ Fan Regulator/ G I Boxes Etc (Wiring Accessories).	Legrand(Arteor)/ Schneider Electric(Zencilo)/ Wipro(North West- Platia/ Hager(Insyta)/MK (blenze)/Havells(Murano)/Indoasian(Elvira)/ Anchor by Panasonic /Polycab/~~HPL~~
10	Selector Switch & Toggle switch	Salzer(L&T)/ Siemens/ Kaycee/ Rishabh/ ABB
11	PVC Trunking	MK/Schneider Electric / Legrand.
12	GI pipe	Tata / Jindal(Hissar)/ Prakash Surya/Consoul.
13	Paints	ICI/ Asian/Berger
14	Terminal Block & Connectors	Elmex/ Wago/ Hensel/ Connectwell
15	Phenolic laminated sheet/ Bakelite sheet	Hylem/ Formica(P-I grade)/ Mylam/ Greenlam.
16	Cat-6/Cat-6A cable, Wires &Fiber optic cable	Amp, Avaya/Beldon/Legrand/Molex/ Schneider/Bonton/Anchor/KVVS/~~HPL/~~AKG

	Fans & Fittings	
1	Fluorescent fittings	Wipro/ Phillips/ Crompton Greaves/ Havells/Osram/Jaquar/ Surya/Panasonic /Syska/ Bajaj /Polycab/HPL/Insta Power/Orient Electric
2	LED Fittings	Wipro/ Phillips/ Crompton Greaves/ Havells/ Osram/Jaquar/ Surya/ Trilux/ Lighting Technology/Panasonic./Halonix/Syska/Bajaj/Polycab/HPL/Insta Power//Orient Electric/RR
3	Exhaust Fan	Havells/ Crompton Greaves/ Usha/ Almonard/ Orient/Halonix//Bajaj/Polycab//Orient Electric/RR
4	Ceiling Fan	Havells/ Crompton Greaves/ Usha/ Orient/ Anchorby Panasonic //Halonix/ Bajaj/ Polycab//Orient Electric/RR
5	Wall Bracket fitting	Havells/ Crompton Greaves/ Decon/ Phillips/ Lighting Technology/Luster/ Jaquar/ Panasonic/ /Halonix/Syska/Bajaj/Polycab/HPL/InstaPower/Orient Electric/RR
6	Lamps/ Fluorescent Tubes/ T5Fluorescent Tubes/ LED Lamp	Wipro/ Phillips/ Crompton Greaves/ Havells/Osram/Jaquar/ Surya/Panasonic/Halonix /Syska/Bajaj/Polycab/HPL/Orient Electric/RR
7	Geysers	Racold/CG/Havells/ Usha/Venus/ AO Smith/Jaquqr/Anchor by Panasonic/Bajaj /RR
	Street Lighting	
1	LED Post Top fitting	Wipro/ Phillips/ Crompton Greaves/ Havells/ Osram/KeselacSchreder/Jaquar/ Surya/Lighting Technology/Luster/Panasonic/Halonix/Syska /Bajaj/Polycab/HPL/Insta Power/Orient Electric/RR
2	LED Street Light fitting	Wipro/ Phillips/ Crompton Greaves/ Havells/ Osram/KeselacSchreder/Jaquar/ Surya/Lighting Technology/Panasonic/Syska/Bajaj/Polycab/HPL/I nsta Power/Orient Electric/RR
3	LED Street light with inbuilt solarpanel & controller	Wipro/ Phillips/ Crompton Greaves/ Havells/Osram/Jaquar/ Surya/Lighting Technology/ Panasonic/Halonix/Bajaj/HPL/Insta Power
4	Ornamental MS & CI Pole (FactoryFinish)	Keselac Schreder-Ecopole3m ATG in GI with baseplate/Valmont/ Wipro/ Phillips/ Crompton Greaves/Bajaj/ Paruthi Engineers Pvt. Ltd./Luster/ twinkle/Bajaj/Consoul.

5	Hot Dipped Galvanized OctogonalPole (Factory Finish)	Valmont/ Wipro/ Phillips/ Crompton Greaves/Bajaj/ Paruthi Engineers Pvt. Ltd/Bajaj./Consoul./Vipin ST Poles.
6	Polycarbonate Junction box/ Enclosure	Hensel/ Spelsberg/ Neptune-bals
7	XLPE insulated PVC Sheathed Alum. / Copper conductor Armored cable of 1.1 KV grade	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/Paragon(Electron)/ Universal/Nicco/RPG cables/Grandlay/Bonton/V-Marc/Plaza cables/Paramount cables/Svarn/NEC/JMW KABEL/Gloster
	Sub -Station Equipments	
1	LT Panel / Meter panel board/Outdoor Feeder Pillar/ APFC Panels / Bus Ducts .	Tricolite Electrical Industries/ Control & Switchgears Pvt. Ltd./ Sterling & Wilson/ Milestone/ Adlec control systems Pvt. Ltd./AdvancePanels & Switchgears Pvt. Ltd./ Allied Engineers-Lucknow/Havells/Indoasian/Engineers&Engineers/ LS Power control/Consoul/Dynamic/NEC/SPC Electrotech/R.P.Control/Coronet(Coronet Engineers Pvt.Limited)/Amit Engineering company(on trial basis)
a)	LT Panel / Meter panel board/Outdoor Feeder Phillar/ APFC Panels / Bus Ducts (PTTA Manufacturers)	SHALABH(U.K)/HPL/Expert/Zeniya/Application control
2	Air Insulated Rising Main	C&S/ L&T/Schneider/Legrand/ Godrej/LS Power control./NEC/R.P.Control
3	Sandwich type Bus Trunking	C&S/ L&T/Schneider/Legrand/ Godrej/LS Power control./R.P.Control
4	Moulded Case Circuit Breaker(MCCB) Thermal release/ Microprocessor based(Ics=Icu=100%)	Schneider Electric NSX series/ Legrand(DPX3)/ L&T(D-Sine)/ ABB(TMax)/ Seimens(VLseries)/ C&S(Winbreak-1/2)/Havells/ Indoasian (Optium)/HPL
5	Power/ Aux. contactor 3/4 pole	Schneider Electric / Legrand/ Hager/ L&T/ ABB/ Seimens/ C&S/BCH/Havells /Indoasian (Opticon)/HPL
6	Potential transformer/ Current Transformer	Automatic Electric/ Gilbert & Maxwell/ Matrix/ Precise/ L&T/ Kappa
7	LED type indicating lamp/ Push Button	Schneider Electric / L&T/ Seimens/ C&S/Vaishno
8	Over load Relays	Schneider Electric / L&T/ Seimens/ C&S/ABB/Havells

9	Conventional/ Electronic Digital Meters (A/V/PF/Hz/KW/KWH)	Conzerv/ L&T/ Secure/ AE/ C&S/HPL
10	Timer	Schneider Electric / Legrand/ Hager/ L&T/ ABB/ Seimens/ C&S
11	Fastners/ GI Clamp	Hilti/ Fisher/ Chilli/ GMGR
12	D.W. Corrugated HDPE pipe (ISI marked)	Rex/ Duraplast/ Triputi/ Duraline/ CPE
13	Transformer (oil/Dry type)	Crompton/ ABB/ Schneider/ Voltamp
14	HT panel / Ring Main unit	Crompton/ Seimens/ABB/ L&T/Schneider/LS Power control/Consoul/Coronet(Coronet EngineersPvt.Limited)
15	HT Cable (ISI marked)	CCI/ KEI/ Havells/Polycab/ Universal/Nicco/Paramount cables/Gloster.
16	HT End Termination/ Cable jointing Kit	Reychem/Denson/ Cap Seal/Safekei/ 3M
17	ACBs with Display	Schneider Electric(MasterpactNW6.0A) / Legrand(DMX3MP4)/ L&T(U-Power-OMEGA)/ABB(Emax)PR122/ Seimens(3WL-ETU45B)/ C&S(Win Master2.4.1)/Havells/HPL
18	Rubber Mat	Jyoti/ Deep Jyoti/ Premier (duly ISI marked)
19	Ammeter	Rishabh/ L&T/ AE/ C&S/ HPL
20	Voltmeter	Rishabh/ L&T/ AE/ C&S/ HPL
21	Fire Extinguishers(ISI marked)	Minimax/ Safex/ Lifeguard/ Kanex/ Omex/Ceasefire/ Andex/Kalpex/Atasee
22	Capacitor & Reactors/ APFC Relay	Epcos/L&T/ Ducati/ ABB/ Siemens/Schneider/Havells
23	XPLE insulated PVC sheathed Alum. / Copper conductor Armored / Unarmored cable of 1.1 KV grade	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ Paragon(Electron)/ Universal/Nicco/RPG cables/Grandlay/Bonton/V-Marc/Plaza cables /Paramount cables./Svarn/NEC/JMW Kabel/Gloster
24	Cable Glands double compressionwith Earthing links	Baliga lighting/ Comet/ Cosmos/ Dowells/ Gripwell
25	Bimetallic Cable Lugs	Comet/ Dowells(Biller India)/Hax Brass(CopperAlloy India) / Jainson/ Action.
26	MS / GI Cable tray,Raceways	Pilco/ Slotco/Pasco/ MEM/ BEC/Steelways/Legrand/Trueleader/LS Powercontrol/R.P.Control/RMCON/AKG.
27	Programmable logic controller (PLC)	Seimens/ Allen Bradley/ L&T/ ABB
	DG Set	
1	Diesel operated generating engine	Cummins India/ Caterpillar/ ashokLayland/KOEL/Greaves/ Volvo

		Penta/ Perkins
2	Alternator	Stamford/ Lerroy Sommer/ Kirlosker Electric/Caterpillar/ Crompton
3	DG set Canopy/ Enclosure & AMFpanel	As per OEM/ OEA of respective DG setmanufacturer
4	Alarm Annunciator	Advani Oralikon/ L&T/ Minilec
	Fire Fighting Equipment	
1	MS Pipe	Tata / Jindal(Hissar)/ Prakash Surya
2	GI pipe	Tata / Jindal(Hissar)/ Prakash Surya
3	Forged steel fittings/ Flanges	Johnson Industries/ VS Forge/ JK Forging/ Trueforge
4	Forged steel fittings &Flanges(For Welding joints)	VS Forge/ Rohini/ Kanwal Forge/johnson/ Trueforge
5	Pipe Hangers	chilli/ Hilti/ GMGR
6	Gun Metal/ Brass valve(ISI marked)/(Full way Globe valve/ Non return valve)	Sant /Leader/Advance/Zoloto/ Kirloskar
7	Butterfly/ Sluice valve(ISI marked).	Audco/Sant /Leader/Advance/Zoloto/ Kirloskar
8	Check valve(ISI marked).	Audco/Sant /Leader/Advance/Zoloto/ Kirloskar
9	Foot Valve(cast iron/ Gunmetal)	Audco/Sant /Leader/Advance/Zoloto/ Kirloskar
10	Y Type Strainer	Audco/Sant /Leader/Zoloto/ Kirloskar
11	Fire / Sprinkler pump / Terrace Fire Pump	Kirloskar/ KSB/ Grundfos/Wilomather&platt
12	Electric Motor	ABB/ Siemens/ kirloskar/ Grundfos/crompton/NGEF
13	Diesel Engine for Fire Pump	Cummins India/ Ashok Layland/ KOEL/Greaves
14	Couplings (Type -Type)	Lovejoy/ Fenner/ Dunlop
15	Anti Vibration Mountings	Kanwal Industries Corporation/ Dunlop/ GERB/Resistoflex
16	Pressure Switch (ISI marked)	System Sensor/Infoss/Danfoss/Switzer/Honeywell& Siemens
17	Pressure Gauge (ISI Marked)	H Guru/ Fiebig/dwyer
18	Double / Single Headed LandingValve (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex/Atasee/Kalpex/Padmini
19	Male Female fire Hose Coupling(SS 304) (ISI marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Andex/Atasee//Kalpex/Padmini
20	First Aid Hose Drum / Fire Hose Reels / Shut off Nozzle (Gunmetal / ABS) (ISI Marked)	Minimax/New Age/ Safeguard/ Lifeguard/ Eversafe/Omex/Andex/Atasee//Kalpex/Padmini

21	SS 304 / Gun metal Branch Pipe &Nozzle (ISI Maked)	Minimax/New Age/ Safeguard/ Lifeguard/ Omex/Andex/Atasee//Kalpex/Padmini
22	Fireman Axe	Minimax/ New Age/ Safeguard
23	Water Flow Switch (FM/UL Listed)	System Sensor/Rapid Control/Potter/Switzer
24	Rust Preventive polymeric 4mm thick tape for pipes diectly buried inground pipe protection pypkoat (A W4) Wrapping (ISI Marked)	Pypcoat/ Marphalt/ Rustech/ Safex
25	Level Controller & Indicator (water) (ISI Marked)	Auto pump/ Cirrus Engineering / Techtrol
26	Fire Brigade Inlet Connecetion (ISIMarked)	Minimax/New Age/ Safeguard/ Lifeguard/ Omex/Eversafe/Kalpex/Padmini
27	Thermoplastic pipe for first AidHose Reel (ISI Marked)	New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Eversafe/Atasee/Kalpex
28	Fire Sealent	Promat/ Birla 3 M/ Hilti
29	Over load Relays	Schneider Electric / L&T/ Seimens/ C&S/ABB/Havells
30	power/ Aux. contactor 3/4 pole	Schneider Electric / Legrand/ Hager/ L&T/ ABB/Seimens/ C&S/BCH/Havells/HPL
31	LED type indicating lamp/ Push Button	Schneider Electric / L&T/ Seimens/ C&S/ABB
32	LT jointing kit / Termination	Reychem/Denson/ Cap Seal/Safekei/ 3M
33	RRL Hose pipe (ISI Marked)	New Age/ Safeguard/ Lifeguard/ Padmini/Omex/Atasee/Kalpex
34	Dry Battery	Exide/ Amar Raja/ HBL/ Pulse/ Amco
35	Battery Charger	Statcon/ Amar Raja/ CDC/ AE/ Expofyn/ thyconIndia
36	Epoxy Paint	ICI/ Asian/Berger/Nerolac
37	Air Release Valve	Rb/ Tbs/ Cimbrio/ Zoloto
38	Analogue/ Digital Measuring Instruments (Voltmeer/ Ammeter/Enrgy meter/ KW/ PE/ Multi Function meter)	AE/ Rishabh/ L&T/ C&S/ Conzerve/HPL
39	Aluminium / Copper power cable /Control cable (Armoured / Unarmoured)	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/Paragon(Electron)/ Universal/Nicco/RPG cables/Grandlay/Plaza cables/Svarn/JMW Kabel/Gloster
40	Cable glands & Lugs	Comet/ Dowells/ Hax Brass (copper Alloy India)/Jainson/ Action
41	Solenoid Valve / Spray Nozzle	Perker/ HD/ Tyco/ Emersion
42	Sprinkler	HD/ Tyco/Reliable/ Wormald/Viking/Atasee
43	Sprinkler Heads/ Water Curtain Nozzle	Tyco/ Viking/ Omex/ Newage/ Lifeguard

44	Steel Flexible Extension	Omex/ Newage/ Tyco/ Lifeguard
45	Vibration Eliminator	Resistoflex/ D Waren /Kanwal
46	Welding Electrodes	Advani/ ESAB/ L&T
47	Deluge Valve	Tyco/ Viking/ HD
48	Cast Iron Valve	Kirloskar/ Kartar/ Kalpana/ Joloto/ Audco/ Advance
49	Fire extinguisher(Portable/Wheeled)	Atasee/Kalpex
50	Rubber hose for water suction and Discharge (ISI Marked)	Padmini, Minimax/ New Age / Ceasefire/ Padmini /Tyco/Superex
51	Rubber hose for welding purpose (ISI Marked)	
52	General Purpose Rubber Water Hose (ISI Marked)	
53	Controlled percolating Fire FightingHose (ISI Marked)	
	Fire Alarm Syatem	
1	Addressable Manual call box	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
2	Addressable type fault isolator	Johnson control/ Honeywell/ Siemens/ Bosch/ EST(Edward)
3	Strobe lights cum hooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
4	Addressable control modules forhooter	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
5	Addressable monitor module forflow switch	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
6	Addressable type fire alarm controlpanel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
7	Network repeater panel	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
8	Addressable multi sensing fire delector (Combination of optical type smoke detector and ROR type heat detector)	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
9	Cat-6 cable, Wire & Fiber optic cable	Amp/ Avaya/Beldon/Legrand/Molex/ Schneider.
10	Response Indicator	Agni devices/ Apollo/ System sensor/ Electroquip
11	Addressable/conventional PASystem	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)
12	Fire supression system	Notifier/ Johnson control/ Honeywell/ Siemens/Bosch/ASES(Agni Suraksha)/Kalpex
	Water supply pump sets	
1	Mono submersiblepump set	KSB/ CG/ Kirloskar/ Grundfos

2	Submersible pump set	KSB/ CG/ Kirloskar/ Grundfos
3	GI pipe	Tata/ Jindal Hissar/ Prakash Surya
4	Sluice Valve / Check Valve / Butterrfly Valve / Non Return Valve	Kirloskar/ sant/ Leader/ Joloto/ Audco/ Advance
5	Submersible Cable	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ Paragon(Electron)/Grandlay/Bonton
	EPBAX System	
1	EPABX Syatem	Siemens/ Cisco/ Alcatel/ Coral/ Panasonic/ Avaya
2	Master console phone	Siemens/ Cisco/ Alcatel/ Coral/ Panasonic/ Avaya
3	Telephone instrument	Beetal/ Tata/ Panasonic/Coral
4	18 SWG Sheet (Crone box)	Topaz/ coral/ crown
5	Constant Voltage transformer	Topaz/ Bhurji/ Delta/ Servokon
6	Unarmoured telephone wire	Delton/Finolex/ RR Kabel/ Havells/HPL
7	Cat-6 cable, Wires & Fiber opticcable	Amp/ Avaya/Beldon/Legrand/Molex/ Schneider./NEC/KVVS/HPL
	Air Conditioner & water purifier	
1	Split air conditioner (premier range)	Mitshubshi Electric/ Mitshubshi Heavy Industries/Toshiba/ O general/ Daikin/ Hitachi
2	Split air conditioner (Normal range)	Voltas/ Carrier/ Blue star/ LG/ Panasonic
3	Window Type Air Conditioner (Premier Range)	O General/Mitshubshi/Hitachi
4	Window Type Air Conditioner (Normal Range)	Voltas/ Blue star/ LG/ Panasonic/Carrier
5	Voltage Stablizer	V Guard/ Blue bird/ voltas/ Servokon/ Logicstate
6	RO/ Water Purifier	Kent/ Ion Exchange/ Aquaguard/ Venza/Atsin
7	Drinking water cooler	Voltas/ Blue star/ Usha/Atsin
8	Water cooler with inbuilt RO	Ion Exchange/ Aquaguard/ Venza/Atsin
	Solar Water Heating system	
1	Solar Water Heating system	Inter solar/ Racold/ Electrotherm/ Rashmi/ Photon/ Polycan
	CCTV System	
1	IP Based camera (Dome / PTZ / Bullet / C-Mount type)	Bosch/ Pelco/ Axis/Avizolon/ Mobotix/Heinrich/IDIS
2	Conventional Camera (Dome / PTZ / Bullet / C-mount type	Bosch/ Pelco/ Axis/Avizolon/ Mobotix/Heinrich/IDIS
3	DVR / NVR / Server	Bosch/ Pelco/ Axis/Avizolon/ Mobotix/IDIS
4	Switch	Cisco/ Zyxel/ Zuniper/ Brocade
5	Data Network Cable	Amp/ Avaya/Beldon/Legrand/Molex/ Schneider/NEC.
6	Mounting / Floor Rack	Netrack/ Beldon/ Comrack/ valrack
7	Media Convertor	Cisco/ Zyxel/ Zuniper/ Brocade

8	Fire wall	Zyxel/ Fourdinet/ Cisco
9	Connector	D-Link/ Molex/ Amp/ Beldon
	Uninterrupted Power Supply (UPS)	
1	Online / off line UPS	Numeric/ Eaton/ APC/ Vertiv/ Mitsubshi/ Toshiba
	Solar Power Generation System	
1	Solar Power Generation System	REIL/ BEL/ CEL/ REC/ SOLON/ VIKRAM/ ABB/ MOSER BEAR/ WIPRO
2	Junction Box	VNT/ SUN GARNER/ OEM of SPV Modules
3	SPV Inverter	Sungrow/ Delta/ SMA/ ABB
4	Module Mounting Structure	As per MNRE/ Manufacturer's standard
5	XLPE Alumunium / Copper cable	Finolex/ RR Kabel/ KEI/ Havells/ Polycab/ Paragon(Electron)/ Universal/Nicco/RPG cables/Grandlay/Bonton/Plaza cables
6	Solar cable XLPO Insulated (DC)	RR Kable / Polycab/ Havells/ Finolex/ Lapp/ Paragon(Electron)/Bonton/Svarn//NEC/KVVS/ HPL

	HVAC	
1	Split Air conditioner	Mitshubshi Electric/Mitshubshi Heavy Industries/ OGeneral/Daikin/Hitachi, Toshiba
2	Window type Air Conditioner	Mitshubshi Electric/ O General//Hitachi
		Voltas/ blue star/LG/ Panasonic/Carrier
3	Voltage Stabilizer	V Guard / Blue Bird / Voltas
		Servokon/Logicstate
4	VRV A.C (Outdoor/Indoor/Remote Control/Y Joint)	Daikin / Hitachi/ Mitshubishi Electric/O General/LG/Toshiba
5	Copper Refrigerant Piping	Rajco / Mandev / Totaline/Kwality Tubes/Shree Shyam
6	Nitrile Rubber Insulation (For Duct / Drain Pipe / Refrigerant PipeInsulation)	Armaflex/Aeroflex/K Flex/Eurobatex/Superlon
7	UPVC drain pipe	Supreme/Finolex/Astral/Ashirvad
8	Multicore Copper flexible Cable	Finolex/Polycab/RR Kabel/KEI
9	Two way pressure independentbalancing & control valve	Siemens/Danfoss/Belimo
10	Adhesive for insulation	Pidilite/Superlon/Armacell
11	GI/GSS Sheet for ducting	Tata/SAIL/Jindal Hissar/ Asawa insulation
12	Auto air vent	Zoloto/Rapid cool/Emerald/Cimberio
13	Air Handling Unit with coil	Zeco/Edgetech/Waves/Flaktwood/VTS/Systemair
14	Air Washer	Zeco/Edgetech/Waves/Flaktwood/ Humidin/Symphony
15	Axial flow/Centrifugal Fan	Kruger/Greenheck/Wolter/Nicotra/Systemair/ Comefri/ Air flow
16	Balancing Valve	Advance/L&T/Honeywell/Danfoss/Belimo

17	Dash Fasteners	Canon / Fischer /Hilti
18	Variable Pumping System	Grundfos/Armstrong/Xylem ITT/wilo/Kirloskar
19	Chilled/Hot water circulation and Condenser water pump	Grundfos/Armstrong/Xylem ITT/wilo/Kirloskar
20	Electric Motor	ABB / Siemens / Kirloskar / Grundfos / NGEF / Crompton Greaves
21	CPRX Compound/Tar Felt	Shalimar Tar Product/Asian/Pidilite
Miscellaneous Item		
1	High mast pole	Bajaj/Vipin ST Poles
2	GI/Copper Strip and Earthing material	Bharti/Indiana/Slotco
3	Chemical Earthing	JMV LPS Ltd./PragatiElectrocom/Ecosafe/Duval Messien(Terec)
4	Occupancy Sensor/Lighting Control System	Philips/Schneider/Legrand/Siemens
5	Other Item from make list	Approve by Engineer-in-Charge

Note: 1. Only applicable items as per requirement of the tender.

2. Department reserves the right to reject any material used without Prior approval from Engineer-in-Charge. No payment shall be made for such rejected material. Public Procurement (Preference to Make in India) order 2017 issued by competent authority of Government of India shall be implemented during selection of materials and execution of work accordingly. Any Manufacturer if not included in the approved make list, may be considered by the Engineer-in- Charge provided such manufacturers comply the above policy along with their product meeting the specifications and other details of the required item.

3. For each item to be used at site, contractor shall submit model number for each item of minimum three different make for approval by Engineer-in- charge

AC (E)

PROFORMA FOR QUOTING THE RATES

NIT No. 19/NIT/FHQ/BSF/26-27.					
NAME OF WORK: **IMPROVEMENT AND UPGRADATION OF LIFT LOBBY ROOM NO 305 306 CHANAKYA LAB AND CORRIDOR FROM COMMON LIFT TOWARDS OFFICES OF SDG(HR) AT 3RD FLOOR OF BLOCK NO 10 CGO COMPLEX UNDER FHQ BSF NEW DELHI.**					
Estimated Cost put to tender		**₹ 4939789/-** (Civil work ₹ 42,30,159/-+ Electrical work ₹ 7,09,630/-)			
Name of the Contractor					
Sr. No	Name of component	Estimated Cost	Percentage above or below the Estimated Cost	% in Figures	Total in cost
1.	Civil Work	₹ 42,30,159/-			
2.	Electrical work	₹ 7,09,630/-			
	Total	**₹4939789/-**			

1. Only one of the options is to be filled. More than one option shall be rejected.
2. Rate filled in any form shall be considered only in % age.
3. Rate filled at any other place in the document shall not be considered
4. No condition shall be accepted.

Validate Print Help

Percentage BoQ

Tender Inviting Authority: 2IC(Works)/EE FHQ BSF New Delhi

Name of Work: Improvement and Up-gradation of Lift lobby, room no. 305, 306, chanakya lab and corridor from common lift towards offices of SDG (HR) at 3rd floor of block no. 10 CGO Complex under FHQ BSF New Delhi.

Contract No: 19/NIT/FHQ/BSF/26-27.

Name of the Bidder/ Bidding Firm / Company :	

PRICE SCHEDULE

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	54	55
1	**SH:-Civil Work**					
2	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions Engineer-in-charge.	90.00	cum	494.10	**44469.00**	INR Forty Four Thousand Four Hundred Sixty Nine & Paise Zero Only
3	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	0.46	cum	142949.70	**65756.86**	INR Sixty Five Thousand Seven Hundred Fifty Six & Paise Eighty Six Only
4	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	22.00	Sqm	3473.85	**76424.70**	INR Seventy Six Thousand Four Hundred Twenty Four & Paise Seventy Only
5	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	18.00	each	121.65	**2189.70**	INR Two Thousand One Hundred Eighty Nine & Paise Seventy Only
6	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	18.00	each	1124.85	**20247.30**	INR Twenty Thousand Two Hundred Forty Seven & Paise Thirty Only
7	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.	47.01	Sqm	897.30	**42182.07**	INR Forty Two Thousand One Hundred Eighty Two & Paise Zero Seven Only
8	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in charge.	40.00	Sqm	2593.15	**103726.00**	INR One Lakh Three Thousand Seven Hundred Twenty Six & Paise Zero Only
9	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	1500.00	kg	194.40	**291600.00**	INR Two Lakh Ninety One Thousand Six Hundred & Paise Zero Only
10	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	30.38	Sqm	1553.45	**47193.81**	INR Forty Seven Thousand One Hundred Ninety Three & Paise Eighty One Only
11	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed vitrified floor tiles polished finish of size Size of Tile 600 x 1200 mm	89.31	Sqm	1798.80	**160650.83**	INR One Lakh Sixty Thousand Six Hundred Fifty & Paise Eighty Three Only

12	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 800x800 mm	205.78	Sqm	1885.50	**387998.19**	INR Three Lakh Eighty Seven Thousand Nine Hundred Ninety Eight & Paise Nineteen Only
13	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete Size of Tile 600x600 mm	5.00	Sqm	1623.05	**8115.25**	INR Eight Thousand One Hundred Fifteen & Paise Twenty Five Only
14	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 800x800 mm	20.00	Sqm	1958.45	**39169.00**	INR Thirty Nine Thousand One Hundred Sixty Nine & Paise Zero Only
15	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers **covering upto 150 mm on both sides of joint and two coats of primer suitable for board**, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	32.00	Sqm	1355.80	**43385.60**	INR Forty Three Thousand Three Hundred Eighty Five & Paise Sixty Only
16	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	246.01	Sqm	2215.15	**544949.05**	INR Five Lakh Forty Four Thousand Nine Hundred Forty Nine & Paise Zero Five Only
17	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	75.00	Sqm	399.45	**29958.75**	INR Twenty Nine Thousand Nine Hundred Fifty Eight & Paise Seventy Five Only
18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1255.91	Sqm	156.05	**195984.76**	INR One Lakh Ninety Five Thousand Nine Hundred Eighty Four & Paise Seventy Six Only
19	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	1255.91	Sqm	142.8	**179343.95**	INR One Lakh Seventy Nine Thousand Three Hundred Forty Three & Paise Ninety Five Only
20	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	1255.91	Sqm	73.95	**92874.54**	INR Ninety Two Thousand Eight Hundred Seventy Four & Paise Fifty Four Only
21	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	4.00	each	367.2	**1468.80**	INR One Thousand Four Hundred Sixty Eight & Paise Eighty Only

22	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	1.00	each	143.5	**143.50**	INR One Hundred Forty Three & Paise Fifty Only
23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	315.47	Sqm	73.4	**23155.50**	INR Twenty Three Thousand One Hundred Fifty Five & Paise Fifty Only
24	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead : Thickness above 10 mm up to 25 mm	159.27	Sqm	77.75	**12383.24**	INR Twelve Thousand Three Hundred Eighty Three & Paise Twenty Four Only
25	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	99.12	Sqm	56.35	**5585.41**	INR Five Thousand Five Hundred Eighty Five & Paise Forty One Only
26	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	2.00	each	1034.8	**2069.60**	INR Two Thousand Sixty Nine & Paise Sixty Only
27	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 20 mm nominal dia Pipes	20.00	Mtr	537.6	**10752.00**	INR Ten Thousand Seven Hundred Fifty Two & Paise Zero Only
28	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	55.00	kg	530.9	**29199.50**	INR Twenty Nine Thousand One Hundred Ninety Nine & Paise Fifty Only
29	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shallspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 1	20.00	kg	634.45	**12689.00**	INR Twelve Thousand Six Hundred Eighty Nine & Paise Zero Only
30	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer in-charge. Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	6.00	Sqm	1139.3	**6835.80**	INR Six Thousand Eight Hundred Thirty Five & Paise Eighty Only
31	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	8.00	Sqm	1505.25	**12042.00**	INR Twelve Thousand Forty Two & Paise Zero Only
32	Providing and fixing double layer venetion blinds of suitable shade & make with louvers made up from best quality fabric fixed to the windows with required assessories as per direction of engineer-in-charge.	18.83	Sqm	3876.00	**72985.08**	INR Seventy Two Thousand Nine Hundred Eighty Five & Paise Zero Eight Only
33	Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in Wall etc. complete (frame work to be paid seperatately). 8 mm thick Cement fiber board as per IS: 14862	148.35	Sqm	1191.00	**176684.85**	INR One Lakh Seventy Six Thousand Six Hundred Eighty Four & Paise Eighty Five Only
34	Providing and fixing Gypsum plain board 12.5 mm thick single skin tapered edged gypsum board including jointing compound, jointing tape,angle beads with suitable screws etc. for Gypsum plain board in walls (frame work to be paid separately) : Gypsum plain board conforming to IS: 2095 (Part -1) : 2011 (Board with BIS certification marks) 12.5 mm thick	193.35	Sqm	1040.00	**201084.00**	INR Two Lakh One Thousand Eighty Four & Paise Zero Only

35	Providing and fixing white vitreous china pedestal type water closet (European type W.C.pan) make CERA, AXOR, Kohlar, Hindware, Parryware or equivalent approved quality with seat and lid, and mounted flushing cistern (composite type) to be fixed as per manufacturer's specifications complete, as per the direction of the Engineer-in-charge.	2.00	each	19671.00	**39342.00**	INR Thirty Nine Thousand Three Hundred Forty Two & Paise Zero Only
36	Providing and fixing white table top wash basin make Jaquar, kohler, Hindware, Parryware or equivalent completely recessed at the back for the reception of pipes and fittings etc complete as per direction of Engineer-in-charge.	2.00	each	8419.00	**16838.00**	INR Sixteen Thousand Eight Hundred Thirty Eight & Paise Zero Only
37	Providing and fixing C.P. brass long nose bib cock of approved design make Jaquar, Kohler or equivalent including necessary screws etc complete as per direction of Engineer-in-charge. 15mm nominal bore	2.00	each	3046.00	**6092.00**	INR Six Thousand Ninety Two & Paise Zero Only
38	Providing and fixing C.P. brass pillar cock of approved design make Jaquar, Kohler or equivalent including necessary screws etc complete as per direction of Engineer-in-charge. 15mm nominal bore	2.00	each	4639.00	**9278.00**	INR Nine Thousand Two Hundred Seventy Eight & Paise Zero Only
39	Providing and fixing C.P. brass Angular stop cock with wall flange of approved quality make Jaquar, kohler or equivalent etc. complete as per direction of Engineer-in-Charge. 15 mm nominal bore.	10.00	each	2008.00	**20080.00**	INR Twenty Thousand Eighty & Paise Zero Only
40	Providing and fixing C.P. brass hand spray (Health faucet) with 1 mtr long flexible tube in chrome finish of approved quality make Jaquar, kohler or equivalent etc. complete as per direction of Engineer-in-Charge.	2.00	each	2146.00	**4292.00**	INR Four Thousand Two Hundred Ninety Two & Paise Zero Only
41	Providing and fixing C.P. brass two way bib cock of approved quality with wall flange make Jaquar, Kohler or equivalent etc. complete as per direction of Engineer-in-Charge. 15 mm nominal bore.	2.00	each	3238.00	**6476.00**	INR Six Thousand Four Hundred Seventy Six & Paise Zero Only
42	Providing and fixing CP brass soap dispenser with glass bottle of approved brand make Jaquar, kohler or equivalent etc. complete as per direction of Engineer-in-Charge.	2.00	each	1938.00	**3876.00**	INR Three Thousand Eight Hundred Seventy Six & Paise Zero Only
43	Providing and fixing C.P. brass Single towel ring (Square) in chrome finish of approved quality make Jaquar, kohler or equivalent etc. complete as per direction of Engineer-in-Charge.	2.00	each	2768.00	**5536.00**	INR Five Thousand Five Hundred Thirty Six & Paise Zero Only
44	Providing and fixing towel rail make Jaquar, kohler or equivalent complete with brackets fixed with CP brass screws with concealed fittings arrangement of approved quality and colour etc. complete as per direction of Engineer-in-Charge. 600 mm long towel rail	2.00	each	3046.00	**6092.00**	INR Six Thousand Ninety Two & Paise Zero Only
45	Providing and fixing premium quality digital joint freee wall tiles of approved shade and size of 600x300mm , as approved by Engineer-in-Charge on walls, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mixed with pigment of matching shade complete.	32.00	Sqm	1660.70	**53142.40**	INR Fifty Three Thousand One Hundred Forty Two & Paise Forty Only
46	Providing and fixing premium quality digital joint free floor tiles of approved shade and size, as approved by Engineer-in-Charge on walls, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including pointing in white cement mixed with pigment of matching shade complete.	15.00	Sqm	1625.46	**24381.90**	INR Twenty Four Thousand Three Hundred Eighty One & Paise Ninety Only
47	Providing and fixing Wood plastic composite panels for walls thickness and design as approved by site requirement of approved brand all complete as per direction of Engineer-in-charge.	15.08	Sqm	3407.00	**51377.56**	INR Fifty One Thousand Three Hundred Seventy Seven & Paise Fifty Six Only
48	Providing and fixing 9 mm thick acoustic pannels having density not less than 1700 GSM with required groves for walls of approved brand all complete as per direction of Engineer-in-charge.	90.13	Sqm	3953.00	**356283.89**	INR Three Lakh Fifty Six Thousand Two Hundred Eighty Three & Paise Eighty Nine Only
49	Providing and fixing 15 mm thick wood wool board for walls of approved brand all complete as per direction of Engineer-in-charge.	90.13	Sqm	1556.00	**140242.28**	INR One Lakh Forty Thousand Two Hundred Forty Two & Paise Twenty Eight Only
50	Providing and fixing 12mm thick frameless frosted toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot and fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer in charge (Door handle, lock and stopper, double acting hydraulic floor spring etc. to be paid separately)	5.23	Sqm	6645.00	**34753.35**	INR Thirty Four Thousand Seven Hundred Fifty Three & Paise Thirty Five Only
51	Providing and Fixing 19 mm thick plyboard of approved brand (century ply, green ply etc) all complete as per direction of Engineer-In-Charge.	24.98	Sqm	1627.00	**40642.46**	INR Forty Thousand Six Hundred Forty Two & Paise Forty Six Only
52	Providing and Fixing 3 mm thick Veenering on ply board including necessary nails, screws etc all complete as direction by Engineer-In-Charge.	20.00	Sqm	1350.00	**27000.00**	INR Twenty Seven Thousand & Paise Zero Only
53	Providing and fixing brass plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete as per direction of Engineer-in-charge.	3.00	each	2874.00	**8622.00**	INR Eight Thousand Six Hundred Twenty Two & Paise Zero Only
54	Providing and fixing brass body tubular type universal hydraulic door closer (Godrej brand or equivalent, door weight upto 50 kg and door width upto 700 mm), with necessary accessories and screws etc. complete as per direction of Engineer-in-charge.	3.00	each	4541.00	**13623.00**	INR Thirteen Thousand Six Hundred Twenty Three & Paise Zero Only
55	Providing and Fixing 18 mm thick HDHMR all complete as per direction of Engineer-In-Charge.	107.96	Sqm	1592.00	**171872.32**	INR One Lakh Seventy One Thousand Eight Hundred Seventy Two & Paise Thirty Two Only
56	Providing and fixing brass BSF monogram logo etc all complete as per direction of engineer-in-charge.	1.00	each	40768.00	**40768.00**	INR Forty Thousand Seven Hundred Sixty Eight & Paise Zero Only
57	Providing and fixing decorative high pressure laminated (HPL) sheet of 4 mm thick plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality fixing over aluminium sections and screws etc. complete as per direction of engineer-in charge.	54.32	Sqm	3696.45	**200791.16**	INR Two Lakh Seven Hundred Ninety One & Paise Sixteen Only
58	**SH:- Elect Work**					
59	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR 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/HFFR PVC insulated copper conductor single core cable etc. as required. (Group C)	60.00	Point	1704.00	**102240.00**	INR One Lakh Two Thousand Two Hundred Forty & Paise Zero Only

60	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required. (Group B)	33.00	Point	885.00	**29205.00**	INR Twenty Nine Thousand Two Hundred Five & Paise Zero Only
61	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. Make Havells/Finolex/KEI/Polycab 3 x 1.5 sq. mm	78.00	Mtr	104.00	**8112.00**	INR Eight Thousand One Hundred Twelve & Paise Zero Only
62	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	68.00	Mtr	267.00	**18156.00**	INR Eighteen Thousand One Hundred Fifty Six & Paise Zero Only
63	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	141.00	Mtr	373.00	**52593.00**	INR Fifty Two Thousand Five Hundred Ninety Three & Paise Zero Only
64	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	12.00	Mtr	482.00	**5784.00**	INR Five Thousand Seven Hundred Eighty Four & Paise Zero Only
65	Supplying and fixing of 25 mm size of medium class PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required.	34.00	Mtr	168.00	**5712.00**	INR Five Thousand Seven Hundred Twelve & Paise Zero Only
66	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding modular plate etc. as required. 5/6 A switch	65.00	Each	121.00	**7865.00**	INR Seven Thousand Eight Hundred Sixty Five & Paise Zero Only
67	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding modular plate etc. as required. 3 pin 5/6 A socket outlet	21.00	Each	136.00	**2856.00**	INR Two Thousand Eight Hundred Fifty Six & Paise Zero Only
68	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding modular plate etc. as required. 15/16 A switch	23.00	Each	176.00	**4048.00**	INR Four Thousand Forty Eight & Paise Zero Only
69	Supplying and fixing following modular switch/ socket on the existing modular plate and switch box including connections but excluding modular plate etc. as required. 6 pin 15/16 A socket outlet	26.00	Each	219.00	**5694.00**	INR Five Thousand Six Hundred Ninety Four & Paise Zero Only
70	Blanking plate	17.00	Each	47.00	**799.00**	INR Seven Hundred Ninety Nine & Paise Zero Only
71	32 A DP one way switch	7.00	Each	300.00	**2100.00**	INR Two Thousand One Hundred & Paise Zero
72	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make Anchor Roma/Great White/Legrand 1 or 2 Module (75 mm x 75 mm)	10.00	Each	354.00	**3540.00**	INR Three Thousand Five Hundred Forty & Paise Zero Only
73	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make Anchor Roma/Great White/Legrand 3 Module (100 mm x 75 mm)	6.00	Each	384.00	**2304.00**	INR Two Thousand Three Hundred Four & Paise Zero Only
74	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make Anchor Roma/Great White/Legrand 6 Module (200 mm x 75 mm)	11.00	Each	462.00	**5082.00**	INR Five Thousand Eighty Two & Paise Zero Only
75	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required. Make Anchor Roma/Great White/Legrand 8 Module (125 mm x 125 mm)	1.00	Each	517.00	**517.00**	INR Five Hundred Seventeen & Paise Zero Only
76	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 1 or 2 Module	7.00	Each	156.00	**1092.00**	INR One Thousand Ninety Two & Paise Zero Only
77	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 3 Module	10.00	Each	175.00	**1750.00**	INR One Thousand Seven Hundred Fifty & Paise Zero Only
78	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 4 Module	1.00	Each	182.00	**182.00**	INR One Hundred Eighty Two & Paise Zero Only
79	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 6 Module	2.00	Each	207.00	**414.00**	INR Four Hundred Fourteen & Paise Zero Only
80	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 8 Module	4.00	Each	238.00	**952.00**	INR Nine Hundred Fifty Two & Paise Zero Only
81	Supplying and fixing following modular base & cover plate on existing modular metal boxes etc. as required. 12 Module	4.00	Each	301.00	**1204.00**	INR One Thousand Two Hundred Four & Paise Zero Only
82	Supplying and fixing 3 pin 5 amps ceiling rose on the existing junction box/ wooden block including connection etc. as required.	11.00	Each	104.00	**1144.00**	INR One Thousand One Hundred Forty Four & Paise Zero Only
83	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	11.00	Each	402.00	**4422.00**	INR Four Thousand Four Hundred Twenty Two & Paise Zero Only
84	Supplying and fixing call bell buzzer suitable for single phase, 230 Volt, complete as required.	2.00	Each	112.00	**224.00**	INR Two Hundred Twenty Four & Paise Zero Only
85	Providing and fixing M.S. Fan clamp type I or II of 16 mm dia M.S. bar, bent to shape with hooked ends in R.C.C. slabs or beams or truss during laying, including painting the exposed portion of loop, all as per standard design complete as required.	1.00	Each	226.00	**226.00**	INR Two Hundred Twenty Six & Paise Zero Only
86	Supplying and fixing extra conduit down road 20 cm length G.I. pipe 15 mm dia, heavy guage including painting etc. as required. (Note more than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)	10.00	Each	59.00	**590.00**	INR Five Hundred Ninety & Paise Zero Only
87	Providing and fixing plain 16/0.20 mm. (0.50 sq. mm.) twin circular flexible FRLS/HFFR PVC insulated, PVC sheathed copper conductor cable direct on the wall with PVC clips etc. as required.	45.00	Mtr	40.00	**1800.00**	INR One Thousand Eight Hundred & Paise Zero Only

88	Supplying and fixing 12 way, double door, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) Make Havells/Simens/Legrand/ L&T/ABB	1.00	Each	2871.00	**2871.00**	INR Two Thousand Eight Hundred Seventy One & Paise Zero Only
89	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of single pole in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make Havells/Simens/Legrand/L&T/ABB	10.00	Each	285.00	**2850.00**	INR Two Thousand Eight Hundred Fifty & Paise Zero Only
90	Supplying and fixing 63 Amp rating, 240 V, double pole, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. Make Havells/Standard/C&S/ L&T/ABB	1.00	Each	569.00	**569.00**	INR Five Hundred Sixty Nine & Paise Zero Only
91	Supplying and installing 200 mm width X 50 mm depth X 1.6 mm thickness size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	70.00	Mtr	775.00	**54250.00**	INR Fifty Four Thousand Two Hundred Fifty & Paise Zero Only
92	Supplying and fixing 8 module GI box with modular plate and cover in front on surface on recess, including providing and fixing 1 Nos. 6 pin 15/16 Amp modular socket outlet, 2 Nos. 3/5 pin 5/6 Amp modular socket outlet and 2 Nos. 15/16 Amp one way modular switches connections etc. complete as required. For power plug to be used in non residential buildings Indoasian make or its equivalent to Anchor/Legrand/White great make	8.00	Each	1230.00	**9840.00**	INR Nine Thousand Eight Hundred Forty & Paise Zero Only
93	Supplying, installation, testing and commissioning of 1200 mm sweep ceiling fan including nut, bolts etc. complete as required. Model Winzer Crompton make or equivalent to Havells/Bajaj/USHA make	5.00	Each	2868.00	**14340.00**	INR Fourteen Thousand Three Hundred Forty & Paise Zero Only
94	Supplying, installation of 250 mm fresh air/ ventilating fan plastic body with louvers/ shutters complete with frame in the existing opening, including making good the damage, connection, testing etc. as required. Model Brisk Air Neo Crompton make or equivalent to Bajaj/Havells/USHA make	7.00	Each	2661.00	**18627.00**	INR Eighteen Thousand Six Hundred Twenty Seven & Paise Zero Only
95	Supplying, installation of 230 mm size, 240 Volt, 50 Hz rating metal body exhaust fan complete with frame in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. Model No. Ventil Air DB, Cat. No. FHVVEMTDBB09 of Havells make or equivalent to Bajaj/Crompton/USHA make	1.00	Each	2827.00	**2827.00**	INR Two Thousand Eight Hundred Twenty Seven & Paise Zero Only
96	Supplying, installation of 130 mm sweep size, 28 watt, 220 volt, 50 Hz rating high quality engineering plastic body ceiling/ roof mounted exhaust fan complete with frame in the existing false ceiling, including cutting, connection, testing etc. complete as required. Model No. Ventilair DXC of Havells make or equivalent to Bajaj/Crompton/USHA	3.00	Each	6052.00	**18156.00**	INR Eighteen Thousand One Hundred Fifty Six & Paise Zero Only
97	Providing and fixing 125 mm dia, 3 meter long size aluminium flexible exhaust pipe with end cap direct on wall/ under flase ceiling including GI clamp, fastner, screw etc. complete as required. Ampereus make or its equivalent as per direction of engineer-in-charge	3.00	Each	1543.00	**4629.00**	INR Four Thousand Six Hundred Twenty Nine & Paise Zero Only
98	Supplying and installation of 400 mm (16") sweep size, 240 Volt, 50 Hz rating, wall fan of PVC body, metal rear grill and ABS/ PVC blade with base plate on the existing wall/ surface including connection, testing etc. as required. Model Swing HS Havells make or equivalent to Bajaj/Crompton/USHA make	3.00	Each	3024.00	**9072.00**	INR Nine Thousand Seventy Two & Paise Zero Only
99	Providing and fixing of 2' x 2' feet size, 36 watt, 3000 K/ 6500 K, LED slim light panel of square shape along with electronic driver suitable for recess type grid ceiling mounting as per direction of engineer-in-charge including connection, testing etc. complete as required. Model No. Octane Plus LED 2X2 Panel, Cat. No. LHEBAEP5IW1W036/ LHEBAEP7IW1W036 Havells make or equivalent to Bajaj/Crompton/Philips/Wipro	59.00	Each	2508.00	**147972.00**	INR One Lakh Forty Seven Thousand Nine Hundred Seventy Two & Paise Zero Only
100	Providing and fixing of 2' x 2' feet size, 36 watt, 3000 K/ 4500K/ 6500 K, LED light flate panel of square shape along with electronic driver suitable for surface mount as per direction of engineer-in-charge including connection, testing etc. complete as required. Model No. Piano surface, Cat. No. PLANOSUR2X2PLS36WLED857S0720 Havells make or equivalent to Bajaj/Crompton/Philips/Wipro	2.00	Each	5187.00	**10374.00**	INR Ten Thousand Three Hundred Seventy Four & Paise Zero Only
101	Providing and fixing of 1' x 1' feet size, 24 watt, 240 volt, 50 Hz, 6500K/ 3000K rating recess type LED slim light panel square shape along with driver on existing false ceilling including cutting, connection, testing etc. complete as required. Model No. Octane, Cat. No. LHEBAEP7IZ1W024 Havells make or equivalent to Bajaj/Crompton/Philips/Wipro	30.00	Each	1844.00	**55320.00**	INR Fifty Five Thousand Three Hundred Twenty & Paise Zero Only
102	Providing and fixing of 8 watt/ meter, 240 volt, 50 Hz, 3000K rating decorative LED strip light 120D PVC rope, IP-65 rating on surface wall or in COB including PVC cliping, dressing etc. complete as required. Cat. No. LHEHBPP5TN6F325 of Havells make or equivalent of Philips/Wipro/Bajaj/Crompton	70.00	Mtr	207.00	**14490.00**	INR Fourteen Thousand Four Hundred Ninety & Paise Zero Only
103	Providing and fixing of 12 Volt DC, 2 Amp decorative LED strip light electronic driver including making connections, testing etc. complete as required. Cat. No. LSSLNX1021 of Havells make or equivalent of Philips/Wipro/Bajaj/Crompton	4.00	Each	290.00	**1160.00**	INR One Thousand One Hundred Sixty & Paise Zero Only

104	Providing and fixing of 18 watt, 6500 K/ 3000 K, recess type LED slim light panel round/ square shape along with driver in existing false ceilling including cutting, connection, testing etc. complete as required. Model No. Octan, Cat. No. LHEBHDP7IZ1W018 Havells make or equivalent to Bajaj/ Crompton/Philips/Wipro	44.00	Each	1140.00	**50160.00**	INR Fifty Thousand One Hundred Sixty & Paise Zero Only
105	Providing and fixing of 20 watt, 6500K/ 3000K prewired LED batten/ tubelight fixture of linear square profile with polycarbonate body, complete with all accessories directly on ceiling/ wall including connection, testing etc. complete as required. Model : LED Pride Ultra/ NXT Cat. No. LHEXAZP7IN1W020 Havell make or equivalent to Bajaj/Crompton/Philips/Wipro	9.00	Each	299.00	**2691.00**	INR Two Thousand Six Hundred Ninety One & Paise Zero Only
106	Supplying and fixing of 10 watt, 240 Volt, 50 Hz, 6500K/ 3000K rating LED mirror light, 60 cm length made up of polycarbonate material with electronic driver on existing wall including connection, testing etc. complete as required. E-Lite LED Pride Plus Neo, Cat. No. LHEXACP7IN1W010 Havells make or its equivalent to Philips/Bajaj/Crompton make	7.00	Each	265.00	**1855.00**	INR One Thousand Eight Hundred Fifty Five & Paise Zero Only
107	Providing and fixing of 2 Nos. 3 watt, recess mounting LED mini downlight in red and green colour combination use for presence indication, on false ceiling including making connections, testing etc. complete as required. Model No. Joy Neo Downlighter Cat. No. LHEBALPCIZ1W003 & LHEBALPAIZ1W003 Havells make or equivalent of Philips/Wipro/Bajaj/Crompton	3.00	Each	586.00	**1758.00**	INR One Thousand Seven Hundred Fifty Eight & Paise Zero Only
108	Providing and fixing of LED wall bracket light with 2 Nos. PVC holder use for office presence indication with 02 Nos. 5 watt LED bulb in red and green colour combination on existing wall/ surface including making connections, testing etc. complete as required on site. Paperfry make or it's equivalent as per direcion of engineer-in-charge.	2.00	Each	2322.00	**4644.00**	INR Four Thousand Six Hundred Forty Four & Paise Zero Only
109	Providing and fixing 1500 Watt, 220 Volt, 50 Hz rating durable and ABS plastic body electrical hand dryer with high speed jet warm air, low noise blower and automatic ON/ OFF motion sensor suitable for surface mount including connection, testing etc. complete as required, Model No. HD-01 of Avro make or it's equivalent to Dolphy/Euronics/Jaguar make	2.00	Each	5284.00	**10568.00**	INR Ten Thousand Five Hundred Sixty Eight & Paise Zero Only
110	Add modification factor @0.973 on SL No.02 to 31	1	Each	67298.68	**-67298.68**	INR Minus Sixty Seven Thousand Two Hundred Ninety Eight & Paise Sixty Eight Only
111	Add Cost Index @3% on SL No.02 to 31	1	Each	72757.35	**72757.35**	INR Seventy Two Thousand Seven Hundred Fifty Seven & Paise Thirty Five Only
Total in Figures					4939789.00	INR Forty Nine Lakh Thirty Nine Thousand Seven Hundred Eighty Nine & Paise Zero Only
Quoted Rate in Figures			**Select**		0.00	INR Zero Only
Quoted Rate in Words					**INR Zero Only**	

Signature Not Verified

Digitally signed by Saurabh Singh
Date: 2026.05.08 11:57:23 IST
Location: eProcure-EPROC