



**UNIVERSITY OF HYDERABAD**  
{Establishment by the act of the Parliament in 1974}  
Gachibowli, Hyderabad

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**TENDER SCHEDULE FOR THE WORK OF**  
**1<sup>st</sup> Recall:- "Construction of First Floor at**  
**Yoga Centre" in UoH Campus.**

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CONTRACTOR

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ESTIMATED COST Rs. 34,87,238/-

SANCTION AMOUNT Rs. \_\_\_\_\_

EMD Rs. 69,745/-

F & A Receipt No. \_\_\_\_\_ Book No. \_\_\_\_\_

Time for the Completion of work: 3 Months

FROM \_\_\_\_\_ TO \_\_\_\_\_

WORK ORDER REFERANCE:

EXPENDITURE CHARGABLE TO:

Bid Submission start date of Tender (Online) : 12.02.2020 up to 2.30 P.M.

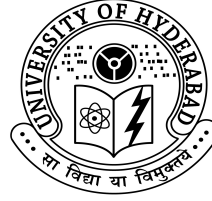
Bid Submission close date of Tender (Online) : 25.02.2020 up to 2.30 P.M.

Bid opening date of Tender (Online) : 26.02.2020 at 3.00 P.M (Technical Bid)

Date of opening of financial bids of technically qualified Contractors will intimate later through Central Public Procurement Portal.

Sd/-  
Executive Engineer

Sd/-  
University Engineer



# UNIVERSITY OF HYDERABAD

{Established by the act of Parliament in 1974}

University Works Department,  
University of Hyderabad,  
Gachibowli,  
P.O. Central University,  
HYDERABAD – 500 046.  
Dated: 12.02.2020

No. UH/Engg/NIT/2019-20/

## NOTICE INVITING TENDER

Item rate Tenders are invited from the registered/Licensed Contractors for the following work at University of Hyderabad Campus.

Sl. No.	Name of the work	Estimated Cost Rs.	D.D. should be drawn in favour of Finance Officer, UoH. EMD Rs.	Time for Completion of the work
1	1 <sup>st</sup> Recall:- "Construction of First Floor at Yoga Centre" in UoH Campus.	Rs.34,87,238/-	Rs.69,745/-	3 Months

**NOTE:-** The contractors/bidders are requested to download the General Conditions and Eligibility criteria for submission of tender document from the University Website i.e Uohyd.ac.in (or) e-procure.gov.in on or after 12.02.2020 and submit under two envelop system. The submission and opening of tender details as follows.

**Bid Submission start date of Tender (Online) :** 12.02.2020 up to 2.30 P.M.

**Bid Submission close date of Tender (Online) :** 25.02.2020 up to 2.30 P.M.

**Bid opening date of Tender (Online) :** 26.02.2020 at 3.00 P.M (Technical Bid)

Date of opening of financial bids of technically qualified Contractors will intimate later through Central Public Procurement Portal.

Sd/-  
UNIVERSITY ENGINEER

Sd/-  
EXECUTIVE ENGINEER

**UNIVERSITY OF HYDERABAD**  
**University Works Department**

**Item Rate Tender Contract for Works**

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**Signature of the Contractor**

FORM 'J'

## UNDERTAKING

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

If further solemnly declare that all the certificates are true to the best of my knowledge.

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

**Signature of the Contractor**

### Check list for Technical eligibility of Tender

SI No	Doc Ref	Description of the Document	Enclosed Yes/No	Remarks
1	NIT Para No 1 Registration of Contractors	CPWD/MES/BSNL/Railway/State PWD(B&R) Autonomous bodies or undertakings.		
2	NIT Para No 1 Eligible Contractors/	Date of validity of enlistment		
3	Details of works completed during last 7 years (Detailed statements to be enclosed)	Not less than 40 % of estimated cost (Three works Building Construction works)		
		Not less than 50 % of estimated cost (Two works Building Construction works)		
		Not less than 80 % of estimated cost (One work Building Construction works)		
		(Details of works on which contractor meets specified eligibility criteria)		
4	As per the NIT	The tenderer shall have to furnish an undertaking in prescribed format. (form J)		
5	Annual turnover.	30% of the estimated cost.		

**Signature of the Contractor**

## Details of the Contractor

<b>S.No.</b>	<b>Particulars</b>	
1	Name of the Firm	
2	Name of the Contractor	
3	Contractor Details	
(a)	Mobile	
(b)	E-Mail id	
4	Name of the Bank	
5	Name of the Branch	
6	Account No. (prefix with zeros, if any as given on the cheque book/pass book ) {please attach cancelled cheque}	
7	IFSC Code of the Branch	
8	MICR Code	
9	PAN No.	
10	GST No.(if applicable)	

**Signature of the Contractor**

**(With Stamp)**

## **GENERAL GUIDELINES**

1. This book of “General Conditions of Contract” is applicable to both types of tenders i.e.” Percentage rate tenders and Item rate tenders”. Accordingly, alternative provisions for conditions Nos. 4, 10 & 12 of the General Rules and Directions are given in this book. The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (CPWD-7) or item rate tender (CPWD-8).
  
2. CPWD-6, Schedules A to F, special conditions/specifications and drawings only will be issued to intending bidders. The HCU-GCC 2016 form will not be issued along with the Tender Documents but the same shall form part of the agreement to be drawn and signed by both parties after acceptance of tender. The HCU-GCC 2016 can be accessed and downloaded from website [www.uohyd.ac.in](http://www.uohyd.ac.in)
  
3. All blanks are confined to Notice Inviting Tender (CPWD-6) and Schedules A to F.
  
4. Authority approving the Notice Inviting Tenders (NIT) shall fill up all the blanks in CPWD-6 and in Schedules B to F before issue of Tender Papers.
  
5. The intending bidders will quote their rates in Schedule A (Schedule of quantities in CPWD Form 3)
  
6. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers.

**Signature of the Contractor**

## **Method of Tender Application, Tender Submission and Tender Opening**

Two Envelope System as defined in CPWD Works Manual 2014 Para 15.7.1.1 shall be followed:

**Envelope - 1** :- EMD drawn in favour of 'Finance Officer, University of Hyderabad' shall be placed in Envelope-1 **and shall be closed using suitable adhesive**. Only Bids submitted along with Tender cost and EMD in the prescribed form shall be considered for further evaluation of eligibility Criteria. Bids submitted without Cost of Tender document and EMD shall be summarily rejected. The Technical Bid **SSI/MSME/PSU** (Central 7 sate) **are not exempted** from submission of EMD and transaction fee for tender processing. Purchase preference for **SSI/MSME/PSU** shall not be provided for this tender. The Technical bid shall contain all the documents based on which the bidder claim to be eligible as per eligibility criteria prescribed in NIT. It shall be clearly written on the Envelope as "Technical bid" **and shall be closed using suitable adhesive**. Any discloser of financial bid in the technical bid documents will lead to summery rejection of bid.

**Envelope - 2** :-Financial bid in the form prescribed in the NIT. The second Envelope shall contain the financial bid in the format given in the NIT. Financial bid in any other format shall be liable for rejection. It shall be clearly written on the Envelope as 'Financial bid' **and shall be closed using suitable adhesive. (Tenderers shall sign all the pages of Technical & Commercial bid and Price bid without fail)**

Both the Envelopes of Technical bid Envelop and financial bid Envelope shall be placed in larger Envelope **and shall be closed using suitable adhesive** the Bidder's Name shall be written on this Envelope and submitted before due time and date stated in the NIT. The envelops not closed by using adhesive are summarily rejected.

The bidder can download entire document from the [www.uohyd.ac.in](http://www.uohyd.ac.in). The technical bid of bidder who submitted DD towards EMD only shall be opened for Scrutiny. Bid submitted without EMD shall be summarily rejected. The EMD DD date should be after notification date.

On the due date of opening, the Technical bid of those tenderers who furnished valid EMD only will be opened. On opening of Technical bid, further detailed scrutiny/ evaluation will be carried out. During the evaluation of techno-commercial bids, the documents furnished by the tenderers will be scrutinized in detail. Any tender, found as not fulfilling the eligibility criteria will be rejected at this stage and such offers will not be considered for further processing. The price bid of only those tenderers who have been qualified during the scrutiny and technical evaluation will be opened separately on a specified date (with due intimation to the qualified bidders) and further processed, asper tender procedure/ stipulations.

**Note:- EMD Copy shall be uploaded online and original to be submitted offline before the Bid opening date and time.**

Signature of the Contractor



## **Eligibility Criteria and Notice Inviting tender:**

(1) The contractor shall be a registered contractor and should produce definite proof of appropriate class registered by state or central government departments or state/central autonomous bodies or undertakings.

(2) Experience Criteria (Eligibility criteria for participation in tendering).

Estimate Cost for the work is **Rs. 34,87,238/-**

(a) Bidders should have satisfactorily completed during last 7 years ending 31.03.2019.

(i) One work Building Construction works completed work 80% of Estimated cost i.e Rs. 27,89,790/-

(OR)

(ii) Two works Building Construction works completed work **each** costing not less 50% of Estimated cost i.e. Rs. 17,43,619/-

(OR)

(iii) Three Building Construction works completed works each costing not less than 40% of Estimated cost i.e Rs. 13,94,895/-

Self-Attested copies of experience certificates are to be submitted.

(3) Only work completed and certified by competent authority of the organization will be accepted as experience certificate. Certificate not issued in name of bidder (Contractor) or issued by an authority not competent to issue such certificate will not be accepted.

Mere work order or purchase order etc issued will not qualify for experience.

(4) The copies of relevant certificates of income tax/IT returns, PAN Card, GST register certificated should accompany to the technical bid.

(5) Should have had average annual financial turnover not less than Rs. 10,46,171/- i.e., 30% of the estimated cost of the work during the last three years ending **31<sup>st</sup> March 2019**.

(6) To become eligible for issue of tender, the tenderer shall have to furnish an undertakings, as per form 'J' of the NIT.

(7) The contractor should enclose 'B' class Electrical license in case it is not having he should produce electrical license holder certificate of supervisor who works on his works.

(8) Agreement shall be drawn with the successful tenderer in the prescribed Form No. CPWD 7/8 which is available in the University of Hyderabad website.

Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

**Signature of the Contractor**

(9) The time allowed for carrying out the work is **3 Months** from the date of start as defined in clause 5 Scheduled “F” or from the first date of handing over of the site, whichever is later, in accordance with phasing if any indicated in the tender document. The site shall be made available as and when required for execution of work.

(10) Tenders shall be accompanied with Earnest money of 2% of estimated cost put to tender/fixed deposit receipt of a scheduled bank/demand draft/banker check of a scheduled bank issued in favour of Finance Officer, University of Hyderabad payable at Hyderabad.

(11) The Bidder/contractor, whose tender is accepted, will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount (including the EMD amount) within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10000/-) or Deposit at Call receipt of any scheduled bank/Banker’s cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank 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.

**(12) The description of the work is as follows:**

Copies of other drawing and documents pertaining to the works will be open for inspection by the tenderers at the office of above mentioned officer. Tenderers are advised to inspect and examine the building and its area surroundings and satisfy themselves before submitting their tenders. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, required for executing the work unless otherwise services provided for in the contract documents. Submission of a specifically electricity access, facilities for workers and all other tender by a tenderer 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.

(13) The competent authority on behalf of the University of Hyderabad does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

**Signature of the Contractor**

(14) Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

(15) The University Engineer on behalf of the competent authority of University reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.

(16) No Engineer of Gazette rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing.

This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.

(17) The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders/Ninety days from the date of opening of financial bid in case tenders are invited on 2 envelop system (strike out as the case may be) if any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in the retendering process of the work.

(18) The Contractor should furnish the contact telephone/cell phone numbers of self and their supervisor's to the institute. The normal working hours shall be from 9.00 am to 5.30 pm on all seven days of the week but if required, the Contractor should execute the works beyond the normal working hours/ as per the requirement of the institute.

(19) contractor liability for damage caused during installation work and imperfections; if the contractor or his / her workmen or servants shall break, deface, injure or destroy any part of the building in which they may be working or building road, fence, enclosure, water pipe, cable, drain, electric or telephone posts or wires, trees, grass, or grasslands or any technical Equipment in the premises on which the work or any part of it as being executed, or if any defect, shrinkage or other faults appear in the work the contractor shall make good at his/ her own expense, or in default, the indenter may get the same rectified and deduct the expense from any amount that may be than due or at any time thereafter may become due to the contractor.

**Signature of the Contractor**

**(20)** The notice inviting Tender shall form part of the contract document. The successful tenderer/contractor, on acceptance of his tender 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 Tender, all the documents including additional conditions, specifications and drawings, Clarifications if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.

b. Standard C.P.W.D. Form 7/8

**(21)** Time and Quality are the essence of this work and to ensure the same each R.A bill shall accompany timely, Quality, Quantity certificate and the same shall be ensured by the University Engineer.

**(22)** GST invoice form should be filled and submitted along with the bill.

**(23)** The Labour engaged and working equipment brought by the contractor for the work shall be recorded in the UoH Security main gate before entering in to the premises and obtain necessary gate pass.

**Signature of the Contractor**

**Percentage Rate Tender, Item Rate Tender & Contract for Works**

(A) Tender for the work of: **1<sup>st</sup> Recall:- "Construction of First Floor at Yoga Centre" in UoH Campus.**

(B) (i) To be submitted by \_\_\_\_\_ up to 2.30 P.M.

(ii) To be Opened in presence of tenderers who may be present at 3.00 P.M Hyd. On \_\_\_\_\_ in the office of the

Executive Engineer, University Works Department, University of Hyderabad

Issued to  N/A

Signature of officer issuing the tender Documents:

Designation  N/A

Date of Issue \_\_\_\_\_

**Signature of the Contractor**

## **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 University of Hyderabad within the time specified in Schedule „F“ viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

We agree to keep the tender open for ninety (90) days from the due date of its opening / ninety days from the date of opening of financial bid in case tenders are invited on 2/3 envelop system (strike out as the case may be) and not to make any modification in its terms and conditions. A sum of Rs. \_\_\_\_\_ is hereby forwarded in DD / Bankers Cheque / deposit at call receipt of a scheduled bank/fixed deposit receipt of scheduled bank/demand draft of a scheduled bank issued by a scheduled bank in Favour of 'Finance Officer, University of Hyderabad' as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period. I/We agree that the said University of Hyderabad, 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 University of Hyderabad in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid. I/We shall be debarred for participation in the re-tendering process of the work.

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

**Signature of the Contractor**

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

Dated:

Signature of Contractor

Witness:

Address:

Postal Address:

Occupation:

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the University of Hyderabad for a sum of Rs.

\_\_\_\_\_ (Rupees \_\_\_\_\_)

\_\_\_\_\_). The letters referred to below shall form part of this contract agreement:-

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

University Engineer

Signature

.....

**Signature of the Contractor**

## **PROFORMA OF SCHEDULES**

(Separate Performa for Civil, Elect. & Hort. Works in case of composite Tenders)  
(Operative Schedules to be supplied separately to each intending tenderer)

### **SCHEDULE 'A'**

Schedule of quantities (as per PWD-3)

### **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	Nil	NA	NA

### **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	NA	NA

**Signature of the Contractor**



## **SCHEDULE 'D'**

Extra schedule for specific requirements/document for the work, if any.: Particular Specifications and Tender Conditions attached

## **SCHEDULE 'E'**

Reference to General Conditions of contract: HCU-GCC-2016

Tender for the work of: **1<sup>st</sup> Recall:- "Construction of First Floor at Yoga Centre" in UoH Campus.**

Estimated cost of work : **Rs.34,87,238/-**

(i) Performance Guarantee: 5% of tendered value (Including EMD)

(ii) Security Deposit : 10% of tendered value

## **SCHEDULE 'F'**

**GENERAL RULES & DIRECTIONS:** Officer inviting tender:  
Engineer-in-Charge/E.E/U.E

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3:

See below Definitions:

2(v) Engineer-in-Charge/E.E is referred to University Engineer or any other Engineer so designated having overall supervision and charge of the execution of the work and who shall sign the contract on behalf of University of Hyderabad.

2(viii) Accepting Authority is the V.C, University of Hyderabad

2(x) Percentage on cost of materials and Labour to cover all overheads and profits : 15%

2(xi) Standard Schedule of Rates is DSR : 2016 for Civil works  
2018 for Electrical works  
: U.W.D , UOH,  
HYDERABAD

2(xii) Department

9(ii) Standard HCU Contract Form GCC 2016, HCU Form 7/8 modified & Corrected up to 2016

**Signature of the Contractor**

**Clause 1**

(i) Time allowed for submission of Performance Guarantee from The date of issue of letter of acceptance . 14.....Days

**Clause 2**

U.E

**Authority for fixing compensation under clause 2 is**

**Clause 2A**

Whether Clause 2A shall be applicable

No

**Clause 5**

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

07 days

**Mile stone(s) as per table given below:-**

S.No	Description of Milestone	Time allowed in days(from date of start)	Amount to be with-held in case of non-achievement of mile stone
1	25% agreement value	One fourth of time allowed for completion.	In the event of non-achieving the necessary progress as assessed from the running payments.  2.5% of tendered value of work will be withheld for failure of each milestone.
2	50% agreement value	One half of time allowed for completion.	
3	75% agreement value	Three fourth of time allowed for completion.	
4	100% agreement value	Full period of time allowed for completion.	

Time allowed for execution of work.....One Month.....

**Authority to decide:**

(i) Extension of time

: Engineer-in-Charge/E.E

(ii) Rescheduling of mile stones

: Engineer-in-Charge/E.E

**Signature of the Contractor**

**Clause 6 / 6A**

**Clause applicable - (6 or 6A)**

:

**6**

**Clause 7**

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

Rs: Total Tender Amount X0.75

No. of months for completion of work

**Clause 10A**

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

- 1 ..... 2. .... 3.....  
4 ..... 5. .... 6.....

**Clause 10B(ii)**

Whether Clause 10 B (ii) shall not applicable

Yes

Clause 10 (C) : Whether applicable or not?

Yes

Clause 10 (CA): Whether applicable or not?

No

Clause 10 (CC): Whether applicable or not:

No

**Signature of the Contractor**

**Clause 12**

12.2. & 12.3 Deviation Limit beyond which clauses

12.2 & 12.3 shall apply for building work..... Unlimited

12.5 Deviation Limit beyond which clauses

12.2 & 12.3 shall apply for foundation work ..... Unlimited

**Clause 16**

Competent Authority for deciding reduced rates. Engineer-in- charge

**Clause 18**

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

- 1. .... 2..... 3. ....
- 4. .... 5. ....
- 6. .... 7..... 8. ....

**Clause 25**

Constitution of Dispute Redressal Committee (DRC)	Competent Authority to appoint DRC
DRC shall constitute of one Chairman and two members	University Engineer

**Signature of the Contractor**

**Clause 36 (i)**

## Requirement of Technical Representative(s) and recovery Rate

Minimum Qualification of technical representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Expenditure	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
					Figures	Words

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

**Clause 42**

(i) (a) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2016 printed by C.P.W.D.

(ii) Variations permissible on theoretical quantities:

(a) Cement

For works with estimated cost put to tender not more than Rs. 5 lakh.

3% plus/minus.

For works with estimated cost put to tender more than Rs.5 lakh.

2% plus/minus.

(b) Bitumen 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

**Signature of the Contractor**

**LIST SHOWING PREFERRED BRANDS/MANUFACTURERS/MAKE**

**28. SPECIALIZED AGENCIES**

**28.1 CIVIL**

NOTE: - 1) A List of Preferred Brand Names of Various Materials / Products are shown below for usage in execution of Work. However, Approved equivalent material of any other Specialized Companies / Firms may also be used , in case it is established that the Brands Specified below are not available in the market and subject to Approval of the alternate Brand by the Engineer In charge.

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

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

S.No	Product	Make
1	Ordinary Portland Cement	ACC, Ultratech, Vikram, Shree Cement,
2	Portland Pozzolana Cement	Ambuja, Jaypee Cement, Century Cement, JK Cement, Penna Cement , Bharathi Cement, Maha , Nagarjuna and Brands Approved by CE(SZ)II,CPWD,Hyderabad.
3	White Cement	Birla, J.K. White, Travancore
4	Reinforcement steel – (Primary Producers)	RINL, SAIL, TATA STEEL Ltd., JSW STEEL Ltd., JINDAL STEEL & POWER Ltd., Shyam produced by M/s.Shyam Steel Industries Ltd and Manufacturers approved by Spl.DG(SR),CPWD,Chennai
5	Ready Mix Concrete (RMC)	Ultra Tech, ACC, RMC Ready Mix (India), Nuvoco Vistas Corporation Ltd., (formally known as Lafarge India Ltd.), RMC by M/s Aparna Enterprises limited,Hyderabad, RDC Concrete (India) Pvt. Ltd and additional firms approved by CE, SZ-II, CPWD, Hyderabad.
6	Pulverized Stone Sand/ Crushed Stone Sand (Manufactured Sand)	Rank Enterprises, Robo Sand.
7	Polymer based Curing Compounds	FOSROC, SIKA, BASF
8	Structural Steel Sections	TATA, SAIL,RINL, JINDAL Steel & Power Ltd., J SW
9	Hollow Steel Tube Sections	TATA, Jindal, Apollo
10	Fly ash Cement Bricks	KSP Industries, Prakash International Ltd, NUBRIC.
11	Autoclaved Aerated Concrete Blocks (AAC)	M/s. Hyderabad Industries Ltd., M/s. Ultra Tech India Limited, M/s. Siporex India Ltd., NCL, NUBRIC.
12	Binding Wire	TATA, JSW

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13	Factory Made Cement Concrete Cover Blocks	A.S.R. Cover Blocks, Stand alone Universal Concrete Cover Blocks
14	RCC Door Frames	Ventura, Bothra.
15	Flush Door Shutters	Raavela Doors, Indian Timber Products, Kitply,
16	Fire Check / Rated Doors	Navair, Godrej, Shaktimet, Kenwood, MPP Schodders.
17	Smoke Seal Strip	Promat, Astro flame
18	Plain / Prelaminated Particle Board	ECO Board, TESA Action Co., Kitlam, Archid ply, Century
19	Ply wood / Laminate	Kitply, Centuryply, Greenply, Merino, Sonear (Donear), Formica, Archidply, Royal touch .
20	Natural wood Veneers	Kitply, Centuryply, Sonear (Donear), Greenply Archidply, Durain, National Action Tesa, Anchor.
21	Adhesive / Glue	Pidilite, Dunlope, Sika, Fosroc, Vamorganic.
22	Steel Windows/ Pressed Steel Frames	Madhu Industries, (Bengaluru), San Harvic, NCL
23	Cement Bonded Particle Board	BISON Boards of NCL.
24	PVC Door Frames & Shutters	Rajshri Plastiwood, Sintex.
25	FRP Door Frames & Shutters	Meena Fibre Glass, Duroplast, Cactus, Polyline.
26	UPVC Windows	Fenesta, Kommerling , Rehau, Wintech, LG, Encraft – Madhu Industries, Polywood.
27	Ceramic Floor /Dado Tiles	Somany, Johnson, Kajaria, Orient, Bell, RAK, Asian, NITCO, AGL tiles.
28	Vitrified Tiles	Somany, Johnson, Kajaria, Orient Bell Ltd, RAK, Vitero brand Aparna tiles
29	Precast Terrazo Tiles	NITCO, Hindustan, Modern
30	Precast Chequered Tiles	NITCO, Hindustan, INDO, Bharat, Poddar.
31	Non Metallic Floor Surface Hardners	Ironite, Hardonite, FOSROC, SIKA, BASF, CICO, Pidilite.
32	Precast Cement Concrete Tiles	NITCO, Hindustan, INDO, Ultra, NTC, Poddar.
33	Factory made Cement Concrete Interlocking Paver Blocks	Earth Pavers Hyd. Pvt. Ltd., NITCO (Rockard), Bharat (Nilsan), Classic Tiles.
34	Grass Paver	Unistone, Ultra.
35	Glass Mosaic Tiles	Palladio, Coral, Mridul, Bisazza

36	PVC Flooring	LG Hausys, Ger Flor, Armstrong .
37	High Density Fibre (HDF) Pre-laminated Flooring boards	Pergo, Armstrong.
38	Unglazed Heavy Duty Vitrified Tiles	Somany ( Dura Gres ), Kajaria (Pavigres).
39	Unglazed Heavy Duty Paver/Parking Tiles	Somany ( Dura Stone ), Johnson (Endura),
40	Clay Tiles on Roof	Kenjai, Johnson, Common Wealth Trust (Ind) Ltd
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41	Tile Adhesives	Laticrete, ,Ardex Endura, Weber, Roff. SIKA, Ferrous.
42	Grout Compound/ Epoxy Grouts	Laticrete, Ardex Endura, Weber, Fosroc, Pidilite, SIKA, Ferrous, BASF, CICO.
43	Epoxy Motor	Fosroc, SIKA, BASF

44	Water Proofing Compound	Fosroc, CICO, SIKA, Pidilite, , BASF, Accoproof, Ardex Endura.
45	Damp Proof Material	Duraseal, Acco-proof, Impermo
46	Actactic Polypropylene (APP) Modified Water Proof Membrane	S T P, Bitumat Co. Ltd., Pidilite, Hydrotech Ltd.
47	Admixtures / Platisizers	Fosroc, CICO, SIKA, BASF, MC
48	Ethylene Propylene Diene Monomer (EPDM) Gasket	Hanu /Anand
49	Aluminium Extruded sections	Jindal, Hindalco, Indian Aluminium Co.
50	Polyester Powder Coating	Nerolac, Berger, Akzonobel, Jotun
51	Poly Sulphide Sealant	Pidilite, Tuffseal, Choksey chemicals.
52	Cement Based Wall putty	Birla Wall Care, J.K. Wall putty, Berger Paints , Asian Paints.
53	Paints/ Primer / Acrylic Emulsion (Premium Quality)	ICI Dulux, Asian Paints, Berger, Nerolac .
54	Melamine Polish	Asian Paints, Melamyne Gold Wudfin of Pidilite Industries, Timbertone of ICI Dulux.
55	Water Proofing Cement Paint	Snowcem India, ICI Dulux, Berger, Asian.
56	PU Enamel Metallic Paints on MS Structure & Epoxy paints (Premium Quality)	SKK, Akzonobel, Asian, Berger, MRF.
57	Calcium Silicate False Ceiling Tiles	Aerolite Co, Hilux, Armstrong
58	Gypsum Board False Ceiling Tiles	Saint Gobain, Lafarge, Amstrong Co.
59	Mineral Fibre Board False Ceiling Tiles	Armstrong , Decosonic.
60	Rockwool / Glasswool insulation.	Twigafiber, Llyod Insulation, Supreme.
61	False Flooring System .	Kebao, Pinnacle, Access Floor System
62	Anodised / Powder Coated Aluminium Fittings / Fixtures-	Everite, Jyoti, Shakti, Sigma (BIS mark), Hardima.
63	Stainless Steel Pipes (Railing)	Jindal Stainless Steel Ltd., Connect Architectural Products Pvt. Ltd.

64	Stainless Steel Wire Mesh	Champion Make, GKD.
65	Float / Plain / Tinted / Tempered / Toughened Glass.	Modi, Saint Gobain, Asahi, Atul, Glaverbel, Pilkington .
66	Mirror Glass.	Modi Guard, Atul, Asahi, Goldenfish.
67	Hydraulic Door Closers / Floor Springs	Godrej, Hardwyn, Everite, Dorma, Dorset, Magnum, Kich.
68	Steel Nuts, Bolts and Screws-	Atul, Hilti, Kundan, Priya .
69	Ball Bearing Hinges and Spring Hinges	Dorma, Hafele, Geze, Dorset, Magnum.

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70	Stainless Steel Screws	Kundan, Arrow, Nettlefold, GKW.
71	Clamping System Using Dash / Anchor Fastners.	Hilti, Fischer, Bosch, Canon.
72	Locks in Furniture Cabinets.	Hettich, Blum, Hafel, Godrej, Link, Harrison.
73	Four Point / Multi Point Locking Handle.	Hefele, Alu-Alfa, Geze, Dorma, Godrej .
74	Stainless Steel Friction stay hinges	Hafele, Earl Bihari
75	Door closer lock / Panic exit device	Ingersoll Rand, Dorma, Monarch.
76	Door Coordinator	UL Listed, Monarch.
77	Precoated Galvolume Iron Profile Sheets.	Pennar, TATA Blue scope, NCL.

78	Multi Walled PolyCarbonate Roofing Sheets	Lexan, GE
79	Bitumen	Indian Oil, Hindustan Petroleum Corporation.
80	Aluminium Composite Panels (ACP)	Alstrong, Alucobond, Aluplex, Alubond.
81	Structural Glazing	Modi, Saint Gobain, Asahi, Glaverbel.
82	Structural and Weather Sealants (Silicon)	Dow Corning, Wacker., GE, BASF
83	Adhesive Tape	Norton
84	Spider Patch Fittings for Structural Glazing	Dorma, Sevax, Kich, Ozone, Hafele.
85	G.I. Pipes -	TATA, Jindal, Zenith, Hissar .
86	G.I. Fittings	HB, R Brand, Unik, ICS.
87	Gun Metal Valves / Non Return Valves	Zoloto, Leader, Sant.
88	C.I. Sluice Valves (Double Flanged)	Zoloto, Leader, SANT, Kirloskar, IVC, Burn.
89	PTMT fittings/ fixtures	Prayag, Shakti, pearl.
90	C.P. Brass fittings/ fixtures	Jaquar , Marc, Plumber, ESS ESS, TOTO, Parko, Nova , Grohe.
91	C.P.V.C pipes & specials	Supreme , Prince , Sudhakar, Ashirvad, Astral., Finolex, Flowguard.
92	uPVC Pipes & Fittings.	Supreme , Prince , Sudhakar, Ashirvad, Astral., Finolex.
93	Poly Propylene Random Co polymer (PPR) Pipes & Specials	SFMC, Victus, Supreme , Prince.

94	Centrifugally Cast (spun) Pipes & Fittings (Sanitary Pipes)/ Centrifugally Cast iron hub less pipes	NECO , HEPCO, SKF, Bengal Iron Corporation (BIC) / NECO, kepsilan
95	Centrifugally Cast (spun) Pipes (LA) & Fittings ( Water Supply Pipes) /	Electro steel, Kesoram, LANCO Industries, RIF, NECO./ NECO, kepsilan
96	Vitreous China Sanitary ware	Parryware, Neycer, Hindware, Cera, Jaquar, TOTO, Duravit.
97	Stainless Steel Sinks	Nirali, Kaff, Hindware, Johnson, Signature, Neelkanth, Cobra, Diamond.
98	Fire Clay Sinks	Sunfire, Parryware, Hindware.
99	Sensor Based Auto Flush Systems	A O S Systems, TOTO, Parryware, Hindware, Grohe, Kochler.

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100	PVC Water Storage Tanks	Sintex, Uniplast, Durocon, Polycon, Supreme.
101	Float Valve (Ball Valve)	Prayag, Leader, Zoloto, IBP, Arco.
102	Water Meter	Zoloto, Leader, Dashmesh.
103	RCC Non Pressure (NP-2) Pipes -	Indo., Hindustan, Balaji Pipe Industries, Indian Hume Pipes Ltd.
104	Factory Made SFRC (RCC) Manhole Covers	Indo, Balaji Pipe Industries, Supreme.
105	CI Manhole Covers	SKF, HIF, Neco, Bengal Iron Corporation (BIC).
106	Coupler for reinforcement bars	LOKPAL Industries – Noida, Shree ISPAT Traders – Jaipur, Trimurthi Engg. & Fab Works – Nagpur, National cutting Tools Sai Couplings – Pune, SPROCS Rebar Couplings Kanva Trading – Chennai.

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<b>28.2 ELECTRICAL</b>		
1.	L.T. Power Cable	: Finolex/ Universal/ Fort Gloster/ Polycab
2.	H.T. XLPE Cable	: Universal/Polycab/Havells/Gloster/RPG
	Asian	
3.	Multi stand flexible copper wires: Fire retardant finolex/Anchor/Havells/Polycab.	
4.	Modular switch, socket power Socket TV Telephone Socket	: TOYONA (Accura) Anchor ( Roma)
5.	Modular piano type switch	: TOYONA (Accura) Anchor ( Roma)
6.	Fan regulators	: TOYONA (Accura)
7.	Cable Glands	: Comet / Jainson
8.	Cable lungs copper	: Dowells/ Jainson
9.	L.T.Switch Gear & MCCB	:Schneider/MDS/Semiens/C & S
10.	MCB's/RMCB's etc.	: Protec/ MDS/Semiens/C & S
11.	Protection Relays	: Alsthom/Segc/Telimachine
12.	Panel meters 96 sqm( Digital)	: Enercon/Neptune
13.	Panel meters 144 sqm( Analong)	: AE/MECO
14.	Indication lamps led type/	Binay/Schnieder Push buttons
15.	Sector Switches	: Kaycee/Salzer/TOYOMA (Accura)
16.	Distribution Boards	: Protec/MDS
17.	PVC pipes	: Sudhakar/Finolex/Mercury
18.	PVC Fittings	: Prime/Mercury
19.	Tube light fitting	: Crompton/Philips/Bajaj
20.	Switches/sockets	: Anchor (Rona),TOYOMA (Accura)/ Bajaj
21.	Electronic Fan regulators	: Anchor (Rona),TOYOMA (Accura)
22.	Telephone wires	: Mazda
23.	T.V.Wire	: Finolex/Anchor
24.	CFL Lamps & Fittings	: Bajaj/Philips/Crompton
25.	Ceiling fans	: Crompton/Bajaj/Orient/Usha
26.	Exhaust fans	: Crompton/GEC/Khaitan
27.	Sodium vapor lamps & fittings	: Bajaj/Philips/Crompton
28.	Energy meter	: Havells/ L & T/ECE
29.	Transformers	: Kirloskar. Crompton Grieves/ Indotech/Alstom/PETE
30.	Vacuum circuit breakers	: Biicola wire/ Alsthom/CG
31.	Cubical Electrical panels/	: Any fabrication with CPRI approved and ISO 9002
	Bus ducts/Generator Panel	certification company/ Manufacturer.

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### **28.3 SANITARY AND WATER SUPPLY**

1.	G.I Pipe			: 'B' Class TATA/ Jindal, QST
2.	G.I. Fitting			: 'R' Brand / HB Brand/ Jindal
3.	C.I. Soil, Waste Pipes			: Neco/Shakti/Kartar/BIC/HEP/Indelpipe
4.	SWG pipes			: Indo Pipes/Kiran
	Potteries/Khandelwal/Ceramics/ Navodaya			
	Ceramic.			
5.	Gun metal gate valves			: Leader, Zolota of ISI marks, Neta, Hawa
6.	Flush Tank			: Hindware-sleek/ Parryware (slimline)
7.	C.P.Fittings			: ESS-ESS Acco/ plumber/Jaguar
8.	Vitreous Chania Sanitary Ware :			
	Parryware/Hindware/Seabird/Khodiya/Orient ( Coral)			
9.	Brass Pillar taps			: Kingstone/ Gem/ Techno/ Parko
10.	PVC Fittings			: Prayag of ISI mark
11.	Low Density High Density			: Finolex/Prince/Supreme/Sudhakar
	Polythene pipe			
12.	Water Storage Tank			: Electroplast/Sintex
13.	PVC waste pipe			: Kohinoor/ Norway
14.	uPVC pipes & specials.			Supreme, Prince, Sudhakar, Ashirvad, Astral, Finolex.
	<b>29.Solar Power Works</b>			<b>: BHEL/TATA/BEL/EMVEE</b>

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**Name of work: 1<sup>st</sup> Recall:-"Construction of First Floor at Yoga Centre" in UoH Campus.**

- 1) Item No.1 to 46 are Civil items. Estimate for Civil items are based on DSR 2016 exclusive of GST. GST will be Quoted separately for item no.1 to 46.
- 2) Items No. 47 to 67 are Electrical items. Estimate for Electrical items are based on DSR 2018 which is inclusive of GST. GST need not to be Quoted separately for item No. 47 to 67.
- 3) The HSN Code should be indicated.

**SCHEDULE OF QUANTITIES**

**Part-"A" (Civil Items)**

S.No	D.S.R.No.	Description of item	Qty	Unit	Rate in figures & Rate in words	Amount
1	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :			Figure: Rs _____ Words: Rupees _____	
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	11.00 Cum	cum	_____	
2	5.37	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.			Figure: Rs _____ Words: Rupees _____	
	5.37.2	All works above plinth level upto floor V level	55.44 Cum	cum	_____	

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b)	5.16	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but , excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size).	4.33 Cum	cum	Figure: Rs _____ Words: Rupees _____ _____ _____
3	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :	264.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
a)	5.9.3	Suspended floors, roofs, landings, balconies and access platform			
b)	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	144.60 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
c)	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	93.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
d)	5.9.16	Edges of slabs and breaks in floors and walls	68.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____ _____
	5.9.16.1	Under 20 cm wide			
4	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	8875.00 Kgs	kg	Figure: Rs _____ Words: Rupees _____ _____ _____
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.			
5	6.4	Brick work with best locally available bricks in superstructure above plinth level up to floor V level in all shapes and sizes in:	60.00 Cum	cum	Figure: Rs _____ Words: Rupees _____ _____ _____
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)			

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6	6.13	Half brick masonry with best locally available bricks in superstructure above plinth level up to floor V level.			Figure: Rs _____ Words: Rupees _____
	6.13.2	Cement mortar 1:4 (1 cement :4 coarse sand)	42.00 Sqm	sqm	_____ _____
7	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge including providing chicken mesh on junction of columns & beams & providing grooves where ever required as per instructions of Engineer-in-Charge.	1000.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
8	13.41	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :			Figure: Rs _____ Words: Rupees _____ _____ _____
	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer	530.00 Sqm	sqm	_____ _____
9	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :			Figure: Rs _____ Words: Rupees _____ _____ _____
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	460.00 Sqm	sqm	_____ _____
10	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			Figure: Rs _____ Words: Rupees _____ _____ _____
	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	42.00 Sqm	sqm	_____ _____

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11	22.14	Grading roof for water proofing treatment with			Figure: Rs _____ Words: Rupees _____
a)	22.14.2	Cement mortar 1:3 (1 cement : 3 coarse sand)	13.20 Cum	cum	_____
b)	13.18	Neat cement punning	264.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____
12	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:			Figure: Rs _____ Words: Rupees _____ _____
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	6.60 Sqm	sqm	_____
13	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :			Figure: Rs _____ Words: Rupees _____ _____
	9.96.1	300x16 mm	3.00 Nos.	each	_____
14	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :			Figure: Rs _____ Words: Rupees _____ _____
	9.97.4	150x10 mm	6.00 Nos.	each	_____
15	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:			Figure: Rs _____ Words: Rupees _____ _____
	9.100.1	125 mm	6.00 Nos.	each	_____

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16	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	4.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
	9.101.1	Single rubber stopper			
17	10.14	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge:			Figure: Rs _____ Words: Rupees _____ _____ _____
a)	10.14.1	Profile B			
	10.14.1.1	Fixing with adjustable lugs with split end tail to each jamb	18.00 Meters	rmt	
18	9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge	10.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____ _____
	9.117.2	Extruded section profile size 42x50 mm			

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19	9.118 9.118.2	<p>Providing and fixing to existing door frames.</p> <p>30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (<math>\pm</math> 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised / plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (<math>\pm</math> 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (<math>\pm</math> 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (<math>\pm</math> 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.</p>	3.20 Sqm	sqm	<p>Figure: Rs _____</p> <p>Words: Rupees _____</p> <p>_____</p> <p>_____</p>	
20	4.17	<p>Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling &amp; dressing &amp; finishing the top smooth.</p>	20.00 Sqm	sqm	<p>Figure: Rs _____</p> <p>Words: Rupees _____</p> <p>_____</p> <p>_____</p>	

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21	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	72.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
22	11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	15.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
23	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :			Figure: Rs _____ Words: Rupees _____ _____ _____
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	2.00 Nos.	each	_____ _____

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24	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required :			Figure: Rs _____ Words: Rupees _____ _____ _____
	17.5.1	Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	1.00 No.	each	
25	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:			Figure: Rs _____ Words: Rupees _____ _____ _____
	17.7.7	White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap	2.00 Nos.	each	
26	17.60	Providing and fixing trap of self-cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :			Figure: Rs _____ Words: Rupees _____ _____ _____
a)	17.60.1	100 mm inlet and 100 mm outlet	6.00 Nos.	each	
	17.60.1.2	Sand Cast Iron S&S as per IS: 1729			

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27	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.	30.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____ _____
	18.7.3	25 mm nominal outer dia Pipes			
28	18.8	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.	50.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____ _____
	18.8.1	15 mm nominal outer dia Pipes			
29	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
	18.13.1	25 to 40 mm nominal bore			
30	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000.00 Litres	litre	Figure: Rs _____ Words: Rupees _____ _____ _____
	18.48A	Circular tank			

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31	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :	4.00 Nos.	each	Figure: Rs _____ Words: Rupees _____
	18.49.1	15 mm nominal bore			
31	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	4.00 Nos.	each	Figure: Rs _____ Words: Rupees _____
	18.52.1	15 mm nominal bore			
32	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:			Figure: Rs _____ Words: Rupees _____
a)	19.4.1	100x100 mm size P type	2.00 Nos.	each	_____
	19.4.1.1	With best locally available bricks			
33 (a)	11.5	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	242.00 Sqm	sqm	Figure: Rs _____ Words: Rupees _____
b)	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	55.90 Sqm	sqm	Figure: Rs _____ Words: Rupees _____

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34	12.41	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.	80.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____ _____
	12.41.2	110 mm diameter			
35	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
	12.42.5	Bend 87.5°			
	12.42.5.2	110 mm bend			
	12.42.6	Shoe (Plain)	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
	12.42.6.2	110 mm Shoe			
36	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.	40.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
	12.43.2	110 mm			
37	10.16	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.	150.00 Kgs	kg	Figure: Rs _____ Words: Rupees _____ _____ _____
a)	10.16.1	Hot finished welded type tubes			

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b)	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.			Figure: Rs _____ Words: Rupees _____ _____ _____
	10.25.1	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	241.50 Kgs	kg	_____ _____
c)	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-incharge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	70.00 Kgs	kg	Figure: Rs _____ Words: Rupees _____ _____ _____
38	12.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.			Figure: Rs _____ Words: Rupees _____ _____ _____
	12.1.2	0.80 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	21.00 Sqm	Sqm	_____ _____

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39	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
a)	21.1.1	For fixed portion				Figure: Rs _____ Words: Rupees _____ _____ _____
	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	240.00 Kgs	kgs		
b)	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				Figure: Rs _____ Words: Rupees _____ _____ _____
	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	95.40 Kgs	kgs		
40	21.3	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):				Figure: Rs _____ Words: Rupees _____ _____ _____
	21.3.2	With float glass panes of 5.50 mm thickness	24.00 Sqm	sqm		

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41	21.2	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.			Figure: Rs _____ Words: Rupees _____ _____ _____
	21.2.2	Pre-laminated particle board with decorative lamination on both sides	24.00 Sqm	sqm	_____
42	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.			Figure: Rs _____ Words: Rupees _____ _____ _____
	9.135.2	With 12 mm mild steel U beading	24.00 Sqm	sqm	_____
43	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
44	14.66	Finishing walls with Acrylic Smooth exterior paint of required shade:			Figure: Rs _____ Words: Rupees _____ _____ _____
	14.66.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	310.00 Sqm	sqm	_____
45	10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.	2.10 Sqm	sqm	Figure: Rs _____ Words: Rupees _____ _____ _____
	10.5.1	Using M.S. angles 40x40x6 mm for diagonal braces			_____

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46	4.12	Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification.	93.00 Kgs	per 50kg ceme nt	Figure: Rs _____ Words: Rupees _____ _____ _____
<b>Part-"B" (Electrical Items)</b>					
47	1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	35.00 Nos.	point	Figure: Rs _____ Words: Rupees _____ _____ _____
a)	1.10.2	Group B			
b)	1.10.3	Group C	15.00 Nos.	point	Figure: Rs _____ Words: Rupees _____ _____ _____
48	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.	250.00 Meters	metre	Figure: Rs _____ Words: Rupees _____ _____ _____
a)	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire			
b)	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	200.00 Meters	metre	Figure: Rs _____ Words: Rupees _____ _____ _____
d)	1.14.8	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	350.00 Meters	metre	Figure: Rs _____ Words: Rupees _____ _____ _____

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c)	1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	75.00 Meters	metre	Figure: Rs _____ Words: Rupees _____ _____
49	1.30	Supplying and fixing metal box of 180 mm X 100 mm X 60 mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 A & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	30.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
50	2.5	Supplying and fixing of following ways surface/recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	2.5.2	8 way (4 + 24), Double door			
b)	2.5.3	12 way (4 + 36), Double door	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
51	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.	48.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	2.10.1	Single pole			
b)	2.10.5	Triple pole and neutral	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____

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52	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	4.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	2.13.3	100 A			
53	5.6	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.	1.00 No.	each	Figure: Rs _____ Words: Rupees _____ _____
54	5.17	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	100.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____
55	1.21	Supplying and fixing of following sizes 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.	200.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____
a)	1.21.2	25 mm			
b)	1.21.3	32 mm	100.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____
56	1.25	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.	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
57	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	30.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	1.24.3	15/16 A switch			

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b)	1.24.5	6 pin 15/16 A socket outlet	30.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
58	1.34	Supplying and fixing brass batten/ angle holder including connections etc. as required.	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
59	2.2	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	2.2.7	250 A, 35 kA, TPMCCB			
60	2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	8.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
61	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.	15.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	1.27.5	8 Module (125 mmX125 mm)			
b)	1.27.6	12 Module (200 mmX150 mm)	15.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____

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62	1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.	15.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
a)	1.28.5	8 Module			
b)	1.28.6	12 Module	15.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
63	MR	Supply and fixing of 20W LED Batten type fittings surface mounted.	15.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
64	MR	Supply and installation of ceiling fan 1200 mm sweep including all connections etc complete as required	20.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____
65	MR	Supply and laying of PVC insulated XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.3 1/2 x70 Sq.mm Make:- Finolex/ Glostar/ Polycab	75.00 Meters	rmt	Figure: Rs _____ Words: Rupees _____ _____
66	MR	Supply and installation of Exhaust fan 300 mm dia including providing louvers. Mounting frame and masonry work complete as required.	2.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____

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67	MR	Supply and fixing of 1'x1' size 15W LED flat panel type fitting for surface/recess mounting. Make:- Crompton/Havells/Bajaj	30.00 Nos.	each	Figure: Rs _____ Words: Rupees _____ _____ _____
					<b>Total Amount in figures Rs.</b>
		<b>Less Rebate Offered if any</b> _____ <b>Add GST on Item No. 1 to 44 Civil items</b> _____ <b>Net Amount</b> _____ <b>Total Amount in words(Including GST)</b> _____			
1) Item No.1 to 46 are Civil items. Estimate for Civil items are based on DSR 2016 exclusive of GST. GST will be Quoted separately for item no.1 to 46. 2) Items No. 47 to 67 are Electrical items. Estimate for Electrical items are based on DSR 2018 which is inclusive of GST. GST need not to be Quoted separately for item No. 47 to 67. 3) The HSN Code should be indicated.					
<div style="display: flex; justify-content: space-between; align-items: flex-end; padding: 20px;"> <div style="width: 45%;"> <b>Signature of the Contractor</b> </div> <div style="width: 45%; text-align: right;"> <b>Sd/- Executive Engineer</b> </div> </div>					