 <b>Government eProcurement System</b>	<b>eProcurement System Government of India</b>	
	<b>Tender Details</b>	
		Date : 24-Dec-2024 04:14 PM

 Print
**Basic Details**

Organisation Chain	IIT BHUBANESWAR		
Tender Reference Number	IITBBS/SE/Engg.cell/24/2024-25		
Tender ID	2024_IITBR_841326_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

**Payment Instruments**

Offline	S.No	Instrument Type
	1	Demand Draft
	2	FDR

**Cover Details, No. Of Covers - 2**

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Technical bid
2	Finance	.xls	Financial bid

**Tender Fee Details, [Total Fee in ₹ \* - 0.00]**

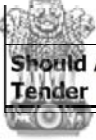
Tender Fee in ₹	0.00	
Fee Payable To	Nil	Fee Payable At Nil
Tender Fee Exemption Allowed	No	

**EMD Fee Details**

EMD Amount in ₹	80,500	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Registrar IIT Bhubaneswar	EMD Payable At	Bhubaneswar

[Click to view modification history](#)
**Work /Item(s)**

Title	Civil works				
Work Description	Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar Argul				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	40,24,799	Product Category	Civil Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work (Days)	365
Location	Engineering Section IIT Bhubaneswar Argul	Pincode	752050	Pre Bid Meeting Place	Engineering Section
Pre Bid Meeting Address	Engineering Section IIT Bhubaneswar Argul Jatni Dist-Khordha Odisha	Pre Bid Meeting Date	31-Dec-2024 11:30	Bid Opening Place	Engineering Section 3rd floor

 <b>Government eProcurement System</b>	Should Allow NDA Tender	No	Allow Preferential Bidder	No	AM

<b>Critical Dates</b>			
<b>Publish Date</b>	24-Dec-2024 05:00 PM	<b>Bid Opening Date</b>	10-Jan-2025 02:30 PM
<b>Document Download / Sale Start Date</b>	24-Dec-2024 06:00 PM	<b>Document Download / Sale End Date</b>	09-Jan-2025 02:00 PM
<b>Clarification Start Date</b>	NA	<b>Clarification End Date</b>	NA
<b>Bid Submission Start Date</b>	24-Dec-2024 06:00 PM	<b>Bid Submission End Date</b>	09-Jan-2025 02:00 PM

<b>Tender Documents</b>				
<b>NIT Document</b>	<b>S.No</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>
	1	Tendernotice_1.pdf	Annual repair and maintenance contract of Residential campus at IIT Bhubaneswar Argul	1708.93
<b>Work Item Documents</b>	<b>S.No</b>	<b>Document Type</b>	<b>Document Name</b>	<b>Document Size (in KB)</b>
	1	BOQ	BOQ_884377.xls	336.50

<b>Bid Openers List</b>			
<b>S.No</b>	<b>Bid Opener Login Id</b>	<b>Bid Opener Name</b>	<b>Certificate Name</b>
1.	sambit@iitbbs.ac.in	Sambit Ranjan Mohanty	SAMBIT RANJAN MOHANTY
2.	diptiranjana@iitbbs.ac.in	Dipti Ranjan Pattanaik	DIPTI RANJAN PATTANAIAK
3.	biswaranjan@iitbbs.ac.in	BISWARANJAN PRADHAN	BISWARANJAN PRADHAN

<b>Tender Properties</b>			
<b>Auto Tendering Process allowed</b>	No	<b>Show Technical bid status</b>	Yes
<b>Show Finance bid status</b>	Yes	<b>Stage to disclose Bid Details in Public Domain</b>	Technical Bid Opening
<b>BoQ Comparative Chart model</b>	Normal	<b>BoQ Comparative chart decimal places</b>	2
<b>BoQ Comparative Chart Rank Type</b>	L	<b>Form Based BoQ</b>	No

<b>TIA Undertaking</b>			
<b>S.No</b>	<b>Undertaking to Order</b>	<b>Tender complying with Order</b>	<b>Reason for non compliance of Order</b>
1	<a href="#">PPP-MII Order 2017</a>	Agree	
2	<a href="#">MSEs Order 2012</a>	Agree	

<b>Tender Inviting Authority</b>	
<b>Name</b>	EE(Civil)
<b>Address</b>	Engineering Section IIT Bhuabneswar Argul Jatni Dist-Khordha Odisha

<b>Tender Creator Details</b>	
<b>Created By</b>	Dipti Ranjan Pattanaik
<b>Designation</b>	Assistant Executive Engineer(Civil)
<b>Created Date</b>	24-Dec-2024 04:06 PM



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर  
**Indian Institute of Technology Bhubaneswar**  
अरगूल/Argul, जटनी/ Jatni, खुरधा / Khurda, ओडिशा/ Odisha - 752050  
दूरभाष/Tel: +91 6747138700, वेब/web: www.iitbbs.ac.in

**INDEX**

**Name of Work: Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar, Argul.**

Sl. No.	Description	Page
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5	Notice Inviting Tenders (Form CPWD-6)	7-10
6	Tender (Standard form for agreement)	11-12
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8.	Scope, terms and conditions of work	16-20
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10.	Vendor Master Form (Annexure-B)	23
11.	Proforma of certificate regarding labour payments and statutory requirement to be furnished by contractor (Annexure-C)	24
12.	Proforma of no demand certificate by contractor (Annexure-D)	25
13.	Detailed about bidding agency (Annexure-E)	26
14.	Financial turnover of the organisation (Annexure-F)	27
15.	BOQ	28-79

NIT amounting to **Rs.40,24,798.74** (Rupees forty lakhs twenty four thousand seven hundred ninety eight & paise seventy four) only is approved.

[Certified that this N.I.T. contains **27** pages + BOQ contains **52** pages Total **79** pages only].

**Executive Engineer(Civil)**  
**IIT Bhubaneswar**



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर  
**Indian Institute of Technology Bhubaneswar**

**INDIAN INSTITUTE OF TECHNOLOGY  
BHUBANESWAR  
ENGINEERING SECTION**

**Notice Inviting e-Tenders No. IITBBS/SE/Engg.Cell/24/2024-25**

The Executive Engineer, IIT Bhubaneswar on behalf of Director (IIT Bhubaneswar) invites online percentage rate tender on Two Bid system from contractors with experience of Similar Works at Government Organisations, PSUs, Local bodies with minimum qualifying criteria for the following work:

NIT No. IITBBS/SE/Engg.Cell/24/2024-25,

Name of work: **Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar, Argul.**

Estimated cost: **Rs.40,24,798.74 (excluding GST).**

Earnest money: Rs. 80,500/-,

Period of completion : 1 Year

Last time & dated of submission of bid 2.00PM on 09.01.2025

The bid forms and other details are available on website [www.iitbbs.ac.in](http://www.iitbbs.ac.in) & [www.tenderhome.com](http://www.tenderhome.com). But the bids can only be submitted online on <https://eprocure.gov.in/eprocure/app>.

No. IITBBS/SE/Engg.Cell/24/2024-25 Dated: 24.12.2024

Executive Engineer (Civil)



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर  
**Indian Institute of Technology Bhubaneswar**

# ***PART-A***



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

## INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e- TENDERING FORMING PART OF NIT AND TO BE POSTED ON WEBSITE

The Executive Engineer, IIT Bhubaneswar on behalf of Director (IIT Bhubaneswar) invites online percentage rate tender from approved and eligible\* contractors for the following work(s):

S. No.	Name of work and location	Estimated cost put to Tender (excluding GST). (in Rs.)	Earnest Money	Period of Completion	Last date & time of submission of tender	Period during which EMD, and other Documents shall be submitted in hard copy	Time & date of opening of tender
1	Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar, Argul	40,24,798.74	80,500/-	1 Year	Up to 2:00 PM on 09.01.2025	Date and time of submission of hard copy tender with EMD up to 2:00 PM on 09.01.2025	At 2:30 PM on 10.01.2025

The eligible contractors mean contractor having experience of similar works\* at Government Organisations/ PSUs/ Local bodies if they furnish the definite proof of having satisfactorily completion from the appropriate authority for three similar works of value 40% or two similar works of value 60% or one similar work of value 80% of estimated cost during last seven years.



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

## Indian Institute of Technology Bhubaneswar

1. The intending tenderer must read the terms and conditions of e-Tendering carefully. The tenderer should only submit their tender if they consider themselves eligible and is in possession of all the required documents in support of their qualification.
2. Information and Instructions for tenderer posted on website shall form part of tender document.
3. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed, terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded either from website [www.iitbbs.ac.in](http://www.iitbbs.ac.in) or <https://eprocure.gov.in/eprocure/app> and shall be submitted online through website <https://eprocure.gov.in/eprocure/app>.
4. The tender can only be submitted after uploading the mandatory scanned documents as per list given below.
5. The intending tenderer has to fill all the details of EMD such as multiple Demand Draft/ Fixed Deposit Receipts amount and date.

The intending tenderer can pay the amount of EMD through Multiple Demand Draft/ Fixed Deposit Receipts from any Scheduled Bank. Submission of EMD is waived off for agencies registered with MSME for the relevant works.

6. Those contractors who have not registered in the website mentioned above, are required to get registered beforehand. If needed they can be imparted training about online bidding process as per details available on the website.
7. The intending tenderer must have valid class-III digital signature to submit the tender.
8. Contractor can upload documents in the form of JPG format and PDF format.



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

1. Copy of Relevant Registration with the concerned Govt. Department.
2. Required Experience / completion certificates of similar nature of works.
3. Certificate of EPF with latest EPF slip deposit & ESIC.
3. Scan copy of E.M.D. as to be submitted in hard copy.
4. Registration Certificate of GST No.





# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

The Executive Engineer, IIT Bhubaneswar on behalf of Director (IIT Bhubaneswar) invites online percentage rate tenders from approved and eligible Contractors for the works of **Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar, Argul.**

## CPWD-6 FORM e-Tendering

- 1 The work is estimated to **Rs.40,24,798.74 (excluding GST)**. This estimate, however, is given merely as a rough guide. The quoted rates should be without GST and GST as per norm will be reimbursed after submission of proof of actual payment & Tax Invoice.
- 2 **Criteria of eligibility: The Intending Bidder should qualify technically for all of the following criteria for being eligible to participate in the Financial Bid Opening Process.**
  - A. The eligible contractors mean contractors should have experience of Similar Works\* in Government Organisations, PSUs, Local bodies etc. The bidder has to submit definite proof from the appropriate authority of having satisfactorily completed any of the following:
    - (i) 3 (three) similar works\* of value **40%** of estimated cost during last seven years  
or
    - (ii) 2 (two) similar works\* of value **60** % of estimated cost during last seven years  
or
    - (iii) 1 (one) similar work\* of value **80%** of estimated cost during last seven years.
  - \* Similar works means civil construction and / or repair maintenance work.
  - B. Registration with GST Authorities. Bidder has to submit proof of valid registration documents.
  - C. The average annual financial turnover during the immediate last 3 consecutive financial years (FY 2020-21, FY 2021-22 and FY 2022-23) Should be at least 75% of the estimated cost of the above work. The details are to be submitted at Annexure-F along with the CA certified statements.
  - D. Agencies that are debarred or blacklisted by any Govt. Departments are not eligible to participate in the tender. A notarized Certificate is to be submitted along with the bid by the bidders to the effect during the last 3 years period prior to the bid notification date that they are not debarred or blacklisted by any Govt. Department. In case, it is found at later stage that the bidder is a blacklisted company declared by any Govt. Department then the works shall be withdrawn, and EMD/bid security payable amount against the work if any, will be forfeited.



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

## Indian Institute of Technology Bhubaneswar

The list of black listed/banned contractors of the Institute is given below.

Sl No.	Name of the Vendor/Contractor	Period of banned
01.	M/s. Lalit Mohan Nanda 21ACZPN4861B1ZI	2 years with effect from 28.05.2024
02.	M/s. Siddhiksha Powertech GST No. 19BIIPP2872A1Z7	2 years with effect from 06.08.2024

- Agreement shall be drawn with the successful tenderers on prescribed Standard Form as mentioned in this tender documents. Tenderers shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- The time allowed for carrying out the work will be **1 Year from** the date of start from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
- The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen on website [www.iitbbs.ac.in](http://www.iitbbs.ac.in) and shall be submitted online on website [www.eprocure.gov.in](http://www.eprocure.gov.in). Other necessary documents also can be seen in the office of the Executive Engineer, Engineering Section, IIT Bhubaneswar between hours of 10:00 AM to 5:00 PM on any working day.
- After submission of the tender, the contractor can re-submit revised tender any number of times but before last time and date of submission of tender as notified.
- The amount of EMD can be paid by multiple Demand Draft/ Fixed Deposit Receipts of any Scheduled Bank drawn in favour of **Registrar, IIT Bhubaneswar**. EMD shall be placed in single sealed envelope superscripted as “Earnest Money” with name of work and due date of opening of the tender also mentioned thereon. Copy of Enlistment Order and certificate of work experience wherever applicable and other documents if required and specified in this bid document shall be scanned and uploaded in the e-Tendering website within the period of tender submission and **certified copy of each shall be deposited in a separate envelope** marked as “Other Documents” in the office of Executive Engineer, IIT Bhubaneswar, Argul up to 2.00 P M on **09.01.2025**.  
The envelope containing EMD shall be submitted in the office of Executive Engineer, IIT Bhubaneswar, Argul before the last date & time of submission of tender. Online tender documents submitted by intending tenderers shall be opened only for those tenderers, who have submitted Earnest Money Deposit, other documents as per the tender requirement and are found in order.  
The tender submitted shall be opened at 02:30 PM on **10.01.2025**. The earnest money given by all the bidders except the lowest bidder should be refunded immediately after the expiry of bid validity period or immediately after acceptance of the bid of the successful bidder, whichever is earlier. Earnest money of the successful bidder shall be refunded on receipt of Performance guarantee submitted on award of LOI/LOA.
- The contractor whose tender is accepted will be required to furnish performance



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

## Indian Institute of Technology Bhubaneswar

guarantee of 5% (Five Percent) of the tendered amount within the period specified in **Schedule E** . If the bidder quotes 10% below the estimated cost, the bidder has to deposit additional performance guarantee on the differential amount between the quoted amount and 90% of the estimated cost within the period specified in **Schedule E**. This guarantee shall be Deposited through Multiple Demand Draft/ Fixed Deposit Receipts. **In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'E', including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.**

10. Intending Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders 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 tender. A tenderers 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 tenderers 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 tender by tenderers 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 and local conditions and other factors having a bearing on the execution of the work.
11. The competent authority on behalf of the Director (IIT Bhubaneswar) 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 assigning any reason there to. 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 tenderers shall be summarily rejected.
12. 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 for rejection.
13. The competent authority on behalf of Director (IIT Bhubaneswar) reserves to himself the right of accepting the whole or any part of the tender and the tenderers shall be bound to perform the same at the rate quoted.
14. The contractor shall not be permitted to tender for works in the IIT Bhubaneswar responsible for award and execution of contracts, in which his near relative is posted in Accounts Section or as an officer in any capacity between the grades of Executive 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 IIT Bhubaneswar. Any breach of this condition by the contractor would render him liable to be removed



from the approved list of contractors of this Department.

15. 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 tender or engagement in the contractor's service.
  16. The tender for the work shall remain valid for acceptance for a period of **one hundred twenty (120) days from** the date of opening of tenders. 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 Department shall, without prejudice to any other right or remedy, be at liberty to forfeit earnest money as aforesaid. Further, the tenderers shall not be allowed to participate in the retendering process of the work.
  17. This Notice Inviting Tender shall form a part of the work order/Agreement.
    - a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of tender and acceptance thereof together with any correspondence leading thereto.
    - b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.
- 20.1.1. The tender document will include following three components:

**Part A:-**

CPWD-6, CPWD-7 including schedule A to F for the major component of the work, Standard General Conditions of Contract of CPWD 2023 as amended/modified up to date.

**Part B:-**

General/specific conditions, specifications and schedule of quantities applicable to major components of the work.

**Part C:-** Schedule A to F for minor component of the work. (SE/EE in charge of major component shall also be competent authority under **clause 2** and **clause 5** 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.



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

## Indian Institute of Technology Bhubaneswar

Standard form of Agreement

### INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR

Tender for the work of .....

(i) To be Submitted/uploaded by..... hours on .....

To...../upload at <https://eprocure.gov.in>

(ii) To be opened in presence of tenderers who may be present at ..... hours on ..... in the office of .....

### 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 Institute 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 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 ..... days from the due date of its opening in case of single bid system ..... 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 Multiple Demand Draft/ Fixed Deposit Receipts (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 Executive Engineer 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 Executive Engineer 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.



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

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 IIT Bhubaneswar 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 IIT Bhubaneswar.

Dated

Signature of Contractor

Witness:

Postal Address

Address:

Occupation:

## **ACCEPTANCE**

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

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

(a)

(b)

(c)

For & on behalf of the Director,  
IIT Bhubaneswar

Dated:

Signatures .....

Designation .....



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

## PROFORMA OF SCHEDULES

The amendments of schedules as per CPWD GCC 2023 for maintenance work is described below:

### SCHEDULE 'A'

Schedule of Quantities:

Page 28 to 79

### SCHEDULE 'E'

Reference to General Conditions of contract

Name of Work:		
Estimated cost of the work:	Civil Work	Rs.40,24,798.74 (excluding GST)
Earnest money	Rs. 80,500/- (EMD will be refunded after submission of performance guarantee)	
Performance Guarantee and LOI	5% of the quoted value of the composite work will be deposited as Performance Security. If the bidder quotes 10% below the estimated cost the bidder has to deposit additional performance security & the differential amount between the quoted amount and 90% of the estimated cost. The performance security shall be refunded after satisfactory completion of the work and recording of the completion certificate. The agency has to visit the site and attend the office for a meeting to start the work within ten days of issue of Letter of Intent.	
Security Deposit	Security deposit @ 5% of the gross amount of the bill shall be deducted from all running account and final bills and will be kept as security deposit in IIT Bhubaneswar. S.D can be released after completion of the defect liability period from the date of completion of work.	

### SCHEDULE 'F'

General rules and direction:

Officer inviting tender

Executive Engineer,  
Engineering Section  
IIT Bhubaneswar



# भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

## Indian Institute of Technology Bhubaneswar

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

**Not Applicable & Accepted Rate will be constant for any quantum of variation**

### Definitions:

2(vi)	Engineer-in-Charge	Executive Engineer, Engineering Section IIT Bhubaneswar
2(viii)	Accepting Authority	Executive Engineer, Engineering Section IIT Bhubaneswar
2(x)	Percentage on cost of materials and labour	15%
	To cover all overheads and profits	
2(x)(a)	Standard Schedule of Rates	DSR' 2021
2(xi)	Department:	IIT Bhubaneswar.
9(ii)	Standard CPWD contract Form:	GCC 2023 for maintenance work, CPWD Corrected up to the date of NIT.

### Clause-1

- (i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance: **7 days**.
- (ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount including the time allowed in (i) above: **15 days**.

### Authority to decide:

- (i) Extension of time: Executive Engineer
- (ii) Rescheduling of milestone: Executive Engineer
- (iii) Shifting of date of start in case of delay in handing over of site: Executive Engineer

### Clause 6

Computerised Measure Book (CMB) / Manual Measurement Book (MB)

- (i) Mode of measurement : CMB / MB





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## Clause 7

Gross work (excluding GST) 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.40.25 Lakhs**

## Clause 10B (ii)

Whether Clause 10B (ii) shall be applicable

No

## Clause 10 C

Component of labour expressed as percent of value of work

30%

## Clause 10 CC

Not Applicable

## Clause 11

Specifications to be followed for execution of work

CPWD specification 2019 (Vol-I & II)  
& details described in the BOQ

<b>Clause 16</b>	<b>Competent Authority for Deciding reduced rates:</b>	<b>Executive Engineer, Engineering Section IIT Bhubaneswar</b>
<b>Clause 17</b>	Contractor Liable for Damages, defects during defect liability Period	<b>12 Months from the date of completion of work.</b>
<b>Clause 18</b>	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	<b>As required for the work.</b>

## Clause 32

For supervision of civil as well as electrical items of work, technical representatives of the respective disciplines will be required to be deployed.



## **SCOPE , TERMS AND CONDITIONS OF WORK**

1. The work will be executed in the buildings of residential campus and other areas of IITBBS. The agency may inspect and examine the site and its surrounding if required before submitting his tender.
2. The scope of work includes but not limited to the following.
  - a. The agency has to make their own arrangement for materials and labour etc.
  - b. All the work line Earth work, concrete work, machinery work, wood and PVC work, flooring work, roofing work and finishing work to be executed as per the defects noticed in the respective buildings and direction of Engineer-in-charge or his authorised representative.
  - c. Repairs to buildings, sanitary installation, water supply system, drainage system, water proofing work, aluminium work etc to be executed as per the defects noticed in the respective buildings and direction of Engineer-in-charge.
  - d. There are a some non-scheduled items such as supply of mortice lock, door stopper, hinges, handles, aluminium doors / windows rollers, connection pipes, waste pipes and engagement of JCB etc which are to be executed as per the description of item and as per the direction of Engineer-in-charge or his authorised representative.
  - e. The agency has to submit the proof of the material purchase for different works including submission of the GST invoices at any time for verification by Engineering Section.
  - f. The agency has to complete the work specified in the BOQ including the supply, fitting, fixing and testing etc. all complete.
  - g. The agency has to cover tables, chairs and other materials before the execution of the painting work and clean the floor, wall, sides of door / window frames after completion of the painting without claiming any additional cost for the work.
  - h. 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.
  - i. The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost.
3. The period of contract is 1 year. However, same may be extended for a period of 3 months with same rate, terms and conditions of the contract.
4. Quality of the project is of utmost importance. This shall be adhered to in accordance with the provisions of CPWD specifications and guidelines given in the relevant paras.
5. Contractor has to deploy required Plant and machinery on the project. In case the contractor fails to deploy the plant and machinery whenever required and as per the direction of the Engineer-in-charge, he (Engineer-in-charge) shall be at a liberty to get the same deployed at the risk and cost of the contractor.
6. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Executive Engineer/Executive Engineer may in his



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- discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.
7. For maintenance work inside a building, the electricity and water supply sources will be provided by the Institute from the nearest building or available sources.
  8. Contractors may attend the Pre-bid meeting on **31.12.2024 at 11.30AM** at Engineering section Meeting Room, 3rd floor, Main Building, IIT Bhubaneswar.
  9. The initial qualification of bidder will be based on the fulfilment of qualifying criteria mentioned elsewhere in this document.
  10. The Engineer-in-charge can reduce the scope of work.
  11. Unless otherwise provided in the Schedule of Quantities/Specifications, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the work and nothing extra shall be payable to him on account of the same.
  12. Some restrictions may be imposed by the security staff etc. on the working and for movement of labour, materials etc. The contractor may provide the list of workers engaged for the construction work along with their valid government address proof for issue of gate pass for the scheduled period of the work. The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on account of the same.
  13. The work shall be carried out in the manner complying in all respects with the requirements of the relevant bylaws and regulations of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
  14. For the purpose of recording measurements and preparing running account bills, the abbreviated nomenclature indicated in the publications Abbreviated Nomenclature of Items of DSR 2021 shall be accepted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and relevant specifications.
  15. The GST No. of IIT Bhubaneswar i.e. **21AAAI2760A1ZJ** to be written in each invoice / bill submitted by the contractor. The GST amount will be released by the Institute after submission of proof of GST payment. In case of items for which abbreviated nomenclature is not available in the aforesaid publication and also in case of extra and substituted items for which abbreviated nomenclature are not provided for in the agreement, full nomenclature of item shall be reproduced in the measurement books and bill forms for running account bills.
  16. For the final bill, however, full nomenclature of all the items shall be adopted in preparing abstract in the measurement books and in the bill forms.
  17. The contractor shall take instructions from the Engineer-in-charge for stacking of materials. No excavated earth or building materials etc. shall be stacked/collected in areas where other buildings, roads, services, compound walls etc. are to be constructed.
  18. Any trenching and digging for laying sewer lines/water lines/cables etc. shall be commenced by the contractor only when all men, machineries and materials have been arranged and closing of the trench(s) thereafter shall be ensured within the least possible time.
  19. It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
  20. The contractor shall maintain in perfect condition, all portions executed till completion of the entire work allotted to him. Where however phased delivery of work is contemplated



these provisions shall apply separately to each phase.

21. The contractor shall submit the proof of payment of royalty on sand, chips etc or valid transit pass, royalty as applicable.
22. No free issue material will be issued to the agency.
23. Contractor's job will also include removing of all debris arising in the process of execution of the work, at no extra cost.
24. The contractor has to provide all the personal protective equipment (PPE) to the workers engaged by him as per the requirement of the site. If it is observed that work is proceeding without adequate safety precautions, work may be stopped by IIT engineer and in such cases, contractor will be solely responsible for delay and its consequences thereof.
25. **Forfeiture of Earnest Money in case of non-execution of work after issue of LOI.**
  - (1) The forfeiture of earnest money shall be done as per the General Conditions of Contract.
  - (2) **If contractor fails to furnish the prescribed performance guarantee within the prescribed period, the earnest money will be absolutely forfeited by the Institute automatically without any notice.**
  - (3) In case of forfeiture of earnest money as prescribed in Para 1) and 2) above, the bidder shall not be allowed to participate in the future tendering process at IITBBS.
26. a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.  
b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials required for the work.
27. The agency has to attend/rectify the complaints related to civil maintenance within 7 days of receipt of the complaint from the office. In case the rectification work is not completed within the specified period, then penalty @ Rs.200.00/day per complaint will be levied upto a maximum amount of Rs.1000/-. In case any specific complaint that requires more than 7 days for rectification same has to be intimated and get certified from the EIC or his authorised representative for avoiding imposition of penalty.
28. a) The contractor (s) shall inspect the site of work before tendering and acquaint himself with the site conditions and no claim on this account shall be entertained by the department.  
b) The contractor (s) shall get himself acquainted with nature and extent of the work and satisfy himself about the availability of materials required for the work.
29. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night speed limit boards red flags, red lights and providing barriers for road works. He shall be responsible for all dangers and incidents caused to existing / new work due to negligence on his part. No hindrances shall be caused to traffic during the execution of the work.
30. The works shall be carried out in accordance with the Architectural drawings and structural drawings, to be issued from time to time by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work and satisfy himself that the information available thereof is complete and unambiguous. The discrepancy, if any shall be brought to the notice of the Engineer-in-Charge before execution of the work. The contractor alone shall be responsible for any loss or damage executing by the commencement of work on the basis of any



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erroneous and or incomplete information.

31. Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
32. No payment shall be made to the contractor for any damage caused by rain, snowfall, floods, earthquake or any other natural causes whatsoever during execution of work. The damages of the work will be made good by the contractor at his own cost and no claim on this account shall be entertained.
33. For construction works which are likely to generate debris /rubbish to the tune of more than a tempo/truck load, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at their own cost to the notified/specified dumping ground and under no circumstances these shall be stacked/dumped, even temporarily outside the construction premises.
34. The contractor has to follow all safety norms as laid down in National Building code of India. All the workers shall be equipped with the required safety gadgets while working at site such as ISI marked helmets, Shoes and safety belts, gumboots, gloves etc.
35. Except for the items, for which particular specifications are given or where it is specifically mentioned otherwise in the description of items in the schedule of quantities the work shall generally be carried out in accordance with the “CPWD specifications 2019 Vol. 1 and Vol. 2 (with up to date corrections slips). (Hereinafter to be referred to as CPWD specifications) and instructions of Engineer-in-Charge. Wherever CPWD specifications are silent the latest IS codes/specification shall be followed.
36. The order of preference in case of any discrepancy as indicated in condition No. 8.1 under “Conditions of Contract” give in standard CPWD contract form may be read as the following:
  - i) Nomenclature of items as per schedule of quantities.
  - ii) Scope , Terms and conditions.
  - iii) CPWD specifications.
  - iv) Architectural Drawings
  - v) Indian standard specifications of B.I.S.
  - vi) Sound Engineering Practice

A reference made to any Indian Standard specification in these documents, shall imply to the latest version of that standard. Including such revision/amendments as issued by the bureau of Indian standard upto last date of receipt of tenders. The contractor shall keep at his own cost all such publications of relevant Indian standard applicable to the work at site.

37. The proposed building is a prestigious project and quality of work is paramount importance. Contractor shall have to engage well experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like stone masonry & stone cladding works, stone flooring, and structural glazing, aluminium composite panel and



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other specialised flooring work, Wood work will specially require engagement of skilled workers having experience particularly in execution of such items.

38. All the materials to be used for the work shall confirm to the approved make list at Annexure-A . In case the approved make list is not available for any material, then same may be approved from Engineer-in-charge well in advance of actual execution.
39. The rates for all items of work shall unless clearly specialised otherwise include cost of all labour, material tools and plants and other inputs involved in the execution of the item.
40. The contractor (s) shall quote 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.
41. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
42. 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).



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**Annexure-A**

### APPROVED MAKE LIST OF MATERIALS TO BE USED

SL.	Type of material	Approved makes/Brands
01.	Cement (OPC/PPC/PSC)	ACC / Ultratech / Ambuja / Lafarge / Birla
02.	Internal & External Paint and	Asian paint/ Berger/Nerolac
03.	Water proofing compound	Fosroc/Sika/Pidilite/BASF
04.	White cement	J.K.White/Birla white/Ultratech/Wonder
05.	Reinforcement steel	TATA/SAIL/ROM;/JSPL/JSW
06.	Structural steel	TISCON/SAIL/RINL/JSPL/JSW
07.	Stainless structural steel	JINDAL/SAIL/TATA
08.	Admixture , plasticizers	Fosroc/Sika/BASF/MBT/CICO/Asian paints
09.	Tile and Stone Adhesive & Grouting compound	Fosroc/Ardex Endura/Laticrete/Pidilite
10.	Flush doors/ Plywood/ Veneers	Green/Merino/Century
11.	Hydraulic Door Closer	Dorma/Hafele/Geze/Assa Abloy/ Hettich/ Dorset/Godrej
12.	False ceiling (Metal)	Armstrong/Saint Gobain/ Dexune/ Hunter/ Douglas
13.	Float/Frosted glass, Mirror glass.	Saint Gobain/Modiguard/Asahi
14.	Fire-Rated Glass	Saint Gobain/SCHOTT/Asahi/Pyroguard
15.	FRP door frames and shutter	Fbireways Technology/JAYNA/SIMBA
16.	Vitrified Tiles	Kajaria/Varmora/Somany/Johnson/Nictco/ Qutone
17.	Glazed/Ceramic Tiles	Kajaria/Varmora/Somany/Johnson/Nictco/ Qutone
18.	Gypsum plaster	Saint Gobain(Gyproc)/ Boral/ Ultratech/ Asian paints/
19.	Wall putty (white cement based)	Birla Wall Care Putty/JK Wall/Asian Paints/ Professional Wall putty/Dulux wall putty
20.	P.O.P putty	Sakarni/Adhar Shree/JK/Ashirwad
21.	Epoxy primer and paints/Wood primer/Steel primer	Akzonobel India/Kansai Nerolac/Asian Paints
22.	Acrylic Distemper	Dulux/ Nerolac /Asian Paints/ Berger
23.	Plastic Emulsion paint	Dulux/Nerolac/Asian Paints/ Berger
24.	Synthetic enamel paint	ICI Dulux/Kansai Nerolac/Asian Paints/ Berger



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25.	Exterior emulsion paint	ICI Dulux (Weather shield)/Kansai Nerolac/Asian Paints(Apex)/ Berger(Weather coat)
26.	Melamine polish	ICI Dulux/Kansai Nerolac/Asian Paints
27.	Fire paint	Akzonobel India (ICI Dulux)/Berger/Asian Paints/Promat
28.	Centrifugally Cast (Spun) iron Pipes & fittings	Neco/Saint Gobain/BIC/Hepco/Kapilansh
29.	UPVC/CPVC/PVC pipes & fittings	Supreme/Finloex/Jain irrigation/Astral
30.	G.I. Pipe	Tata/Jindal(Hisar/SAIL/Bansal
31.	C.P.Brass fittings	Jaquar/Kohler/Grohe/Roca/American Standard/ Hindware/ Cera/Parryware
32.	Vitreous China Fittings	Jaquar/Kohler/Grohe/Roca/American Standard/ Korovit/ Toto/ Hindware/ Cera /Parryware
33.	HDPE Pipes	Jain irrigation/ORIPLAST/Dutron/Reliance
34.	Ball Valves	Zoloto/Leader/Audco/Schell
35.	Non return valves	Zoloto/Leader/Audco/Kirloskar/IVC
36.	Butterfly Valves	Audoco/Advance/Schell/Kirloskar
37.	Interlocking precast C.C. Paver blocks/Kerb stone/Grass paver	Delal/Nitco/Unistone/NTC/Ultra Tiles
38.	CGI sheet	TATA/Jindal/JSW
39.	Ball valves (15 to 50mm)	Arco (SENA)/Sant/L&T
40.	Non return valve	AUDCO/ADVANCE/L&T
41.	Sluice Valve	AUDCO/ADVANCE/L&T
42.	Air Release Valve	AUDCO/ADVANCE/L&T
43.	Ball Float valve	AUDCO/ADVANCE/L&T
44.	PTMT fittings	Prayag/Ashiwad

Note: For items not covered in the above list or in case of non-availability of preferred make of any item listed above, the make / brand to be used in the work, should have prior approval from the Engineer-In- Charge





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## Annexure-B

### VENDOR MASTER FORM

(To facilitate registration under PFMS and fund transfer through RTGS, NEFT/ INTRA BANK Transfer-One time information required)

Sl No.	Information required	Data furnished
1	Name of the supplier company /firm	
2	CIN Number (in case of company)	
3	Complete contact address with PIN number	
4	District with city name	
5	Landline phone number	
6	Mobile number of contact person/ Finance Executive (for SMS on payment details)	
7	e-Mail ID (for receiving payment details)	
8	PAN Number	
9	GST Registration Number (with copy of GST registration certificate)	
10	TAN Number	
11	Bank account number (with a copy of cancelled cheque or Xerox copy of cheque leaf)	
12	Name of the Bank	
13	Name of the Bank Branch	
14	IFSC Code of Bank	
15	MICR Code of Bank	
16	Bank Account details where LC is to be opened in case of foreign suppliers	

I / We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or credit is not effected at all for reason of incomplete or incorrect information, the Indian Institute of Technology, Bhubaneswar will not be responsible.



**PROFORMA OF CERTIFICATE REGARDING LABOUR PAYMENTS AND STATUTORY  
REQUIREMENT TO BE FURNISHED BY CONTRACTOR.**

**(TO BE ISSUED BY THE CONTRACTOR AND ATTESTED BY THE ENGINEER IN CHARGE)**

Name of the work: \_\_\_\_\_

Contract/Work order No. & Dated: \_\_\_\_\_

Name of the Contractor: \_\_\_\_\_

This is to certify that we have made all labour payments including PF liabilities in respect of the above mentioned Work order/Contract and no other payments in this regard is pending from us. Further we confirm that all statutory requirements have been complied with by us and in case any default is reported against us, we shall be solely responsible for the same.

Date:

Signature \_\_\_\_\_

Place

Name \_\_\_\_\_

Designation \_\_\_\_\_

Company seal \_\_\_\_\_

**Attestation:**



**PROFORMA OF NO DEMAND CERTIFICATE BY CONTRACTOR**

**(TO BE ISSUED BY THE CONTRACTOR AND ATTESTED BY THE ENGINEER IN CHARGE)**

Name of the work: \_\_\_\_\_

Contract/Work order No. & Dated: \_\_\_\_\_

Name of the Contractor: \_\_\_\_\_

I/We, M/s. \_\_\_\_\_ (Contractor) do hereby acknowledge and confirm that we have already submitted final bill vide Bill No. \_\_\_\_\_, dt. \_\_\_\_\_ for Rs. \_\_\_\_\_ in respect of our aforesaid Work order/Contract No. \_\_\_\_\_ dtd. \_\_\_\_\_ including amendments, if any, issued by IIT Bhubaneswar. After payment of above mentioned final bill amount by IIT Bhubaneswar, I/we have no claim whatsoever pending with IIT Bhubaneswar under the said contract except the followings.

1. Performance Guarantee amount: Rs. \_\_\_\_\_
2. Security Deposit amount deducted in RA bill \_\_\_\_\_
3. Earnest Money Deposit amount: Rs. \_\_\_\_\_

Notwithstanding any protest recorded by us in any correspondence, document, measurement books, and/or final bills, etc. we waive all our rights to lodge any claim or protest in future under this contract

We are issuing this "NO DEMAND CERTIFICATE: in favour of IIT Bhubaneswar with full knowledge and with our free consent without any undue influence, misrepresentation, coercion etc.

Date: \_\_\_\_\_ Signature \_\_\_\_\_

Place \_\_\_\_\_ Name \_\_\_\_\_

Designation \_\_\_\_\_

Company seal \_\_\_\_\_

**Attestation:**



**DETAILS ABOUT BIDDING AGENCY**

S. No.	Particulars	Details
1.	Full name of the Bidder (In capital letters)	
2	Full address of the Bidder	
3	(a) Telephone No: (b) Alternate Telephone No. (c) Email ID:	
4	PAN	
5	TAN	
6	Date of incorporation and number of years of experience in relevant area	
7	GST registration No.	
8	Has the bidder has been blacklisted by any Govt. organization at any time? If so, attach the details of the same.	
9	Names and details of the Authorized person to be available at site during the work (a) Name (b) Designation (c) Address (d) Mobile number (e) Alternate Mobile number (f) Email ID)	



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Annexure-F

1.	<b>Financial turnover of the Organisation for the last 3 years (Attach CA certified statements)</b>				
	Turnover (In Lakhs)	2020-21	2021-22	2022-23	Average

- It is hereby certified that ..... (the bidding agency herein) has never been black-listed by Central/State Governments/PSUs. (Attach notarised certificate)
- It is hereby submitted that all the terms and conditions of this NIT are acceptable to the Bidder agency

I hereby certify that the above mentioned particulars are true and correct. If any fact/information is found incorrect/misleading, the bid shall be rejected, and the bidder is liable for legal action.

(Signature of Authorized Signatory.

Name of Authorized Signatory)

(Stamp)



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**Percentage BoQ**

Tender Inviting Authority: Executive Engineer(Civil)

Name of Work: Annual repair and maintenance contract of Residential Campus at IIT Bhubaneswar, Argul.

Contract No: IITBBS/SE/Engg.cell/24/24-25

Name of the Bidder/ Bidding Firm / Company :

**PRICE SCHEDULE**

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only )

NUM BER #	TEXT #	NUMBER #	TEXT #	NUMBER	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	Quoted Currency in INR / Other Currency	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	6	12	7	8



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1	Supply of Earth with lead of 5 km including of cost of all materials, taxes, loading & unloading etc, complete as per direction of Engineering-in-charge.	5.00	Cum	244.60	INR	<b>1223.00</b>	INR One Thousand Two Hundred & Twenty Three Only
2	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m inwidth or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil	5.00	Cum	258.48	INR	<b>1292.40</b>	INR One Thousand Two Hundred & Ninety Two and Paise Forty Only
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	5.00	Cum	228.83	INR	<b>1144.15</b>	INR One Thousand One Hundred & Forty Four and Paise Fifteen Only



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4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	5.00	Cum	6636.75	INR	33183.75	INR Thirty Three Thousand One Hundred & Eighty Three and Paise Seventy Five Only
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	5.00	Cum	5700.41	INR	28502.05	INR Twenty Eight Thousand Five Hundred & Two and Paise Five Only
6	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement -	5.00	Cum	7536.99	INR	37684.95	INR Thirty Seven Thousand Six Hundred & Eighty Four and Paise Ninety Five Only





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	All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)						
7	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	10.00	Sqm	277.49	INR	<b>2774.90</b>	INR Two Thousand Seven Hundred & Seventy Four and Paise Ninety Only
8	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform.	10.00	Sqm	690.74	INR	<b>6907.40</b>	INR Six Thousand Nine Hundred & Seven and Paise Forty Only
9	Centering and shuttering including strutting, propping etc. and removal of form for Shelves (Cast in situ)	10.00	Sqm	690.74	INR	<b>6907.40</b>	INR Six Thousand Nine Hundred & Seven and Paise Forty Only
10	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams,	10.00	Sqm	548.19	INR	<b>5481.90</b>	INR Five Thousand Four Hundred & Eighty One and Paise Ninety Only



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	girders, bressumers and cantilevers						
11	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	20.00	Sqm	724.71	INR	<b>14494.20</b>	INR Fourteen Thousand Four Hundred & Ninety Four and Paise Twenty Only
12	Weather shade, Chajjas, corbels etc., including edges	10.00	Sqm	734.35	INR	<b>7343.50</b>	INR Seven Thousand Three Hundred & Forty Three and Paise Fifty Only
13	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm	5.00	Cum	8716.81	INR	<b>43584.05</b>	INR Forty Three Thousand Five Hundred & Eighty Four and Paise Five Only



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	nominal size derived from natural sources).						
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	1000.00	Kg	80.78	INR	<b>80780.00</b>	INR Eighty Thousand Seven Hundred & Eighty Only
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	10.00	Cum	5999.76	INR	<b>59997.60</b>	INR Fifty Nine Thousand Nine Hundred & Ninety Seven and Paise Sixty Only
16	Brick work with non modular fly ash bricks conforming to IS:12894, class designation 10 average compressive strength in super structure above plinth level up to floor	10.00	Cum	6917.13	INR	<b>69171.30</b>	INR Sixty Nine Thousand One Hundred & Seventy One and Paise Thirty Only



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	V level in : Cement mortar 1:6 (1 cement : 6 coarse sand)						
17	Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth and upto floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	30.00	Sqm	873.75	INR	<b>26212.50</b>	INR Twenty Six Thousand Two Hundred & Twelve and Paise Fifty Only
18	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high	10.00	Sqm	3987.69	INR	<b>39876.90</b>	INR Thirty Nine Thousand Eight Hundred & Seventy Six and Paise Ninety Only



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	gloss finish etc. complete at all levels. Area of slab over 0.50 sqm Granite stone slab of colour black, Cherry/Ruby red						
19	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work	10.00	Mtr	377.43	INR	3774.30	INR Three Thousand Seven Hundred & Seventy Four and Paise Thirty Only
20	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: 4 coarse sand) jointing with grey cement	50.00	Sqm	1159.36	INR	57968.00	INR Fifty Seven Thousand Nine Hundred & Sixty Eight Only



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	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. Double charge vitrified tile polished finish of Size of Tile 600 x 600 mm.						
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: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	30.00	Sqm	1695.83	INR	50874.90	INR Fifty Thousand Eight Hundred & Seventy Four and Paise Ninety Only



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22	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: 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	10.00	Sqm	1649.02	INR	16490.20	INR Sixteen Thousand Four Hundred & Ninety and Paise Twenty Only
23	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	1000.00	Kg	178.15	INR	178150.00	INR One Lakh Seventy Eight Thousand One Hundred & Fifty Only



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24	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	30.00	Each	771.61	INR	<b>23148.30</b>	INR Twenty Three Thousand One Hundred & Forty Eight and Paise Thirty Only
25	Providing and fixing bright finished brass hasp and staple (safety type)with necessary screws etc. complete : 115mm	20.00	Each	96.82	INR	<b>1936.40</b>	INR One Thousand Nine Hundred & Thirty Six and Paise Forty Only
26	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	30.00	Each	211.67	INR	<b>6350.10</b>	INR Six Thousand Three Hundred & Fifty and Paise Ten Only





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27	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 : 300x10 mm	20.00	Each	106.01	INR	2120.20	INR Two Thousand One Hundred & Twenty and Paise Twenty Only
28	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : 250x10 mm	20.00	Each	94.08	INR	1881.60	INR One Thousand Eight Hundred & Eighty One and Paise Sixty Only
29	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 : 200x10 mm	10.00	Each	81.82	INR	818.20	INR Eight Hundred & Eighteen and Paise Twenty Only



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30	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : 150x10 mm	10.00	Each	68.08	INR	680.80	INR Six Hundred & Eighty and Paise Eighty Only
31	Providing and fixing aluminium pull bolt lock, 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 bolts, nut and washers etc. complete.	30.00	Each	81.01	INR	2430.30	INR Two Thousand Four Hundred & Thirty and Paise Thirty Only
32	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 100 mm	20.00	Each	47.98	INR	959.60	INR Nine Hundred & Fifty Nine and Paise Sixty Only



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33	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 screw etc. complete. Twin rubber stopper	50.00	Each	56.90	INR	<b>2845.00</b>	INR Two Thousand Eight Hundred & Forty Five Only
34	Providing and fixing powder coated telescopic drawer channels 300 mm long with necessary screws etc. complete as per directions of Engineer-in-charge.	20.00	Set	319.94	INR	<b>6398.80</b>	INR Six Thousand Three Hundred & Ninety Eight and Paise Eighty Only
35	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all	10.00	Mtr	633.11	INR	<b>6331.10</b>	INR Six Thousand Three Hundred & Thirty One and Paise Ten Only



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	the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.						
36	Providing and fixing to existing door frames. 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as	10.00	Sqm	3571.70	INR	35717.00	INR Thirty Five Thousand Seven Hundred & Seventeen Only



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	per direction of Engineer-in-charge.						
37	Providing and fixing cupboard shutter with 19mm thick one side decorative and other side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand including 2mm thick PVC edge banding tape with hot glue by edge bending machine etc. with auto closing spring loaded hinges (hydraulic type) etc. complete as per direction of Engineer- in-charge.(Payment of providing and fixing auto closing hinges shall be paid separately)	15.00	Sqm	2310.20	INR	34653.00	INR Thirty Four Thousand Six Hundred & Fifty Three Only
38	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	30.00	one set	675.56	INR	20266.80	INR Twenty Thousand Two Hundred & Sixty Six and Paise Eighty Only



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39	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1000.00	kg	70.47	INR	70470.00	INR Seventy Thousand Four Hundred & Seventy Only
40	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-in charge, (for payment purpose only weight of stainless steel	500.00	kg	551.70	INR	275850.00	INR Two Lakh Seventy Five Thousand Eight Hundred & Fifty Only



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	members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).						
41	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	50.00	Sqm	491.10	INR	24555.00	INR Twenty Four Thousand Five Hundred & Fifty Five Only
42	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	20.00	sqm	1537.82	INR	30756.40	INR Thirty Thousand Seven Hundred & Fifty Six and Paise Forty Only



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43	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.	20.00	sqm	1836.94	INR	<b>36738.80</b>	INR Thirty Six Thousand Seven Hundred & Thirty Eight and Paise Eighty Only
44	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 colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement :4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	50.00	sqm	843.07	INR	<b>42153.50</b>	INR Forty Two Thousand One Hundred & Fifty Three and Paise Fifty Only





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45	Providing and fixing 1st quality ceramic glazed floor 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.	50.00	sqm	845.68	INR	<b>42284.00</b>	INR Forty Two Thousand Two Hundred & Eighty Four Only
46	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. 110 mm diameter	25.00	metre	288.13	INR	<b>7203.25</b>	INR Seven Thousand Two Hundred & Three and Paise Twenty Five Only



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47	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the	20.00	sqm	1548.72	INR	30974.40	INR Thirty Thousand Nine Hundred & Seventy Four and Paise Forty Only
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1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced



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at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge. Note :- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm.The calcium silicate ceiling tile shall have NRC value of 0.50 (Minimum), light reflection > 85%, non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity <0.043 w/mK.



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48	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	100.00	sqm	292.23	INR	<b>29223.00</b>	INR Twenty Nine Thousand Two Hundred & Twenty Three Only
49	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	10.00	per bag of 50kg cement used in the mix	54.56	INR	<b>545.60</b>	INR Five Hundred & Forty Five and Paise Sixty Only
50	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	1500.00	sqm	83.58	INR	<b>125370.00</b>	INR One Lakh Twenty Five Thousand Three Hundred & Seventy Only
51	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior	500.00	sqm	146.29	INR	<b>73145.00</b>	INR Seventy Three Thousand One Hundred & Forty Five Only



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	primer applied@ 2.20 kg/10 sqm)						
52	Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces : One coat	200.00	sqm	75.24	INR	<b>15048.00</b>	INR Fifteen Thousand &Forty Eight Only
53	French spirit polishing : Two or more coats on new works including a coat of wood filler	50.00	sqm	331.88	INR	<b>16594.00</b>	INR Sixteen Thousand Five Hundred & Ninety Four Only
54	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. One coat	1000.00	sqm	49.34	INR	<b>49340.00</b>	INR Forty Nine Thousand Three Hundred & Forty Only
55	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and	50.00	sqm	81.14	INR	<b>4057.00</b>	INR Four Thousand &Fifty Seven Only



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	manufacture, including applying additional coats wherever required, to achieve even shade and colour. Two coats						
56	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	100.00	sqm	14.73	INR	<b>1473.00</b>	INR One Thousand Four Hundred & Seventy Three Only
57	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	100.00	sqm	18.79	INR	<b>1879.00</b>	INR One Thousand Eight Hundred & Seventy Nine Only
58	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete	20.00	sqm	416.58	INR	<b>8331.60</b>	INR Eight Thousand Three Hundred & Thirty One and Paise Sixty Only



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	as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)						
59	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	20.00	each	80.60	INR	1612.00	INR One Thousand Six Hundred & Twelve Only
60	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of	100.00	metre	257.62	INR	25762.00	INR Twenty Five Thousand Seven Hundred & Sixty Two Only





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	2200 PSI for sewer line from 150mm dia upto 300mm						
61	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	20.00	cum	1117.01	INR	<b>22340.20</b>	INR Twenty Two Thousand Three Hundred & Forty and Paise Twenty Only
62	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in-charge.	10.00	cum	2638.52	INR	<b>26385.20</b>	INR Twenty Six Thousand Three Hundred & Eighty Five and Paise Twenty Only
63	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light trafficparking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU	200.00	sqm	911.19	INR	<b>182238.00</b>	INR One Lakh Eighty Two Thousand Two Hundred & Thirty Eight Only



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	mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding / laying of inter locking paver blocks into the sandbedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.						
64	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 required: White Vitreous	10.00	each	1724.48	INR	17244.80	INR Seventeen Thousand Two Hundred & Forty Four and Paise Eighty Only



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	China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap						
65	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 required: White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	10.00	each	1513.49	INR	<b>15134.90</b>	INR Fifteen Thousand One Hundred & Thirty Four and Paise Ninety Only
66	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	10.00	each	1351.70	INR	<b>13517.00</b>	INR Thirteen Thousand Five Hundred & Seventeen Only
67	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making	10.00	each	6017.02	INR	<b>60170.20</b>	INR Sixty Thousand One Hundred & Seventy and Paise Twenty Only



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	goodthe walls wherever required : Kitchen sink with drain board 510x1040 mm bowl depth 225 mm						
68	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto1 metre long with S.S. triangular plate to European type W.C. ofquality and make as approved by Engineer - in - charge.	10.00	each	269.74	INR	<b>2697.40</b>	INR Two Thousand Six Hundred & Ninety Seven and Paise Forty Only
69	Providing and fixing P.V.C. low level flushing cistern with manuallycontrolled device (handle lever) conforming to IS : 7231, with all fittingsand fixtures complete. 10 litre capacity - coloured	10.00	each	891.73	INR	<b>8917.30</b>	INR Eight Thousand Nine Hundred & Seventeen and Paise Thirty Only
70	Providing and fixing CP Brass 32mm size Bottle Trap of approvedquality & make and as per the direction of Engineer-in-charge.	30.00	each	798.60	INR	<b>23958.00</b>	INR Twenty Three Thousand Nine Hundred & Fifty Eight Only
71	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste	60.00	each	81.96	INR	<b>4917.60</b>	INR Four Thousand Nine Hundred & Seventeen and Paise Sixty Only



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	fittings complete.Semi rigid pipe 32 mm dia						
72	Providing and fixing 600x450 mm beveled edge mirror of superiorglass (of approved quality) complete with 6 mm thick hard boardground fixed to wooden cleats with C.P. brass screws and washerscomplete.	50.00	each	1271.59	INR	<b>63579.50</b>	INR Sixty Three Thousand Five Hundred & Seventy Nine and Paise Fifty Only
73	Providing and fixing 600x120x5 mm glass shelf with edges round off,supported on anodised aluminium angle frame with C.P. brassbrackets and guard rail complete fixed with 40 mm long screws, rawlplugs etc., complete.	50.00	each	848.97	INR	<b>42448.50</b>	INR Forty Two Thousand Four Hundred & Forty Eight and Paise Fifty Only
74	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded	5.00	metre	229.74	INR	<b>1148.70</b>	INR One Thousand One Hundred & Forty Eight and Paise Seventy Only



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	polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge. Internal Exposed on walls PN - 16 Pipe, 20mm OD (SDR-7.4)						
75	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS 15801, UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes testing of joints complete as per direction of Engineer-in-Charge. Internal Exposed on walls PN - 16 Pipe, 25mm OD (SDR-7.4)	5.00	metre	284.84	INR	1424.20	INR One Thousand Four Hundred & Twenty Four and Paise Twenty Only



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76	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. Internal work - Exposed on wall 20 mm nominal dia Pipes	50.00	metre	292.95	INR	14647.50	INR Fourteen Thousand Six Hundred & Forty Seven and Paise Fifty Only
77	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	30.00	metre	368.15	INR	11044.50	INR Eleven Thousand & Forty Four and Paise Fifty Only



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	Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes						
78	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality H D - 20 Circular shape 560 mm internal diameter.	10.00	each	1346.43	INR	<b>13464.30</b>	INR Thirteen Thousand Four Hundred & Sixty Four and Paise Thirty Only
79	Supplying and fixing C.I. cover 300x300 mm without frame for gully trap (standard pattern) the weight of cover to be not less than 4.5 kg	30.00	each	605.32	INR	<b>18159.60</b>	INR Eighteen Thousand One Hundred & Fifty Nine and Paise Sixty Only
80	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	150.00	kg	420.18	INR	<b>63027.00</b>	INR Sixty Three Thousand & Twenty Seven Only





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	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)						
81	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. Powder coated aluminium (minimum	200.00	kg	508.94	INR	101788.00	INR One Lakh One Thousand Seven Hundred & Eighty Eight Only



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	thickness of powder coating 50 micron)						
82	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)	50.00	sqm	1194.46	INR	59723.00	INR Fifty Nine Thousand Seven Hundred & Twenty Three Only
83	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good	5.00	each	2206.66	INR	11033.30	INR Eleven Thousand &Thirty Three and Paise Thirty Only



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	the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness						
84	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete. 355 X 19 mm	20.00	each	260.46	INR	5209.20	INR Five Thousand Two Hundred & Nine and Paise Twenty Only
85	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge	20.00	each	670.37	INR	13407.40	INR Thirteen Thousand Four Hundred & Seven and Paise Forty Only



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	complete. 510 X 19 mm						
86	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge Anodized (AC 15 ) aluminium	10.00	each	79.97	INR	799.70	INR Seven Hundred & Ninety Nine and Paise Seventy Only
87	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge Powder coated minimum thickness 50 micron aluminium	5.00	each	80.74	INR	403.70	INR Four Hundred & Three and Paise Seventy Only
88	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-	100.00	metre	117.32	INR	11732.00	INR Eleven Thousand Seven Hundred & Thirty Two Only



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	charge complete, complying to ASTM C920, DIN 18540- F & ISO 11600 Upto 5 mm depth and 5 mm width						
89	Grading roof for water proofing treatment with Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	5.00	cum	6767.95	INR	<b>33839.75</b>	INR Thirty Three Thousand Eight Hundred & Thirty Nine and Paise Seventy Five Only
90	Grading roof for water proofing treatment with Cement mortar 1:3 (1 cement : 3 coarse sand)	5.00	cum	12863.90	INR	<b>64319.50</b>	INR Sixty Four Thousand Three Hundred & Nineteen and Paise Fifty Only
91	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect.Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	20.00	sqm	351.84	INR	<b>7036.80</b>	INR Seven Thousand &Thirty Six and Paise Eighty Only



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92	Supplying and installation of moisture resistant/fire resistant cement board as per standard sizes fixed with self-drilling / tapping screws. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm. Cement Bonded particle board 8 mm thick (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995	30.00	sqm	766.75	INR	23002.50	INR Twenty Three Thousand & Two and Paise Fifty Only
93	Supply of Unskilled woker(labour)	150.00	day	841.61	INR	126241.50	INR One Lakh Twenty Six Thousand Two Hundred & Forty One and Paise Fifty Only
94	Supply of skilled worker(Diploma Civil Supervisor)	300.00	day	1114.41	INR	334323.00	INR Three Lakh Thirty Four Thousand Three Hundred & Twenty Three Only
95	Supply brass bib cock of approved quality :15 mm nominal bore	10.00	each	255.72	INR	2557.20	INR Two Thousand Five Hundred & Fifty Seven and Paise Twenty Only



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96	Supply brass stop cock of approved quality :15 mm nominal bore	10.00	each	255.72	INR	2557.20	INR Two Thousand Five Hundred & Fifty Seven and Paise Twenty Only
97	Supply gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	10.00	each	453.73	INR	4537.30	INR Four Thousand Five Hundred & Thirty Seven and Paise Thirty Only
98	Supply gun metal gate valve with C.I. wheel of approved quality (screwed end) :32 mm nominal bore.	5.00	each	505.00	INR	2525.00	INR Two Thousand Five Hundred & Twenty Five Only
99	Supply gun metal gate valve with C.I. wheel of approved quality (screwed end) :40 mm nominal bore	5.00	each	605.97	INR	3029.85	INR Three Thousand & Twenty Nine and Paise Eighty Five Only
100	Supply gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore.	5.00	each	756.36	INR	3781.80	INR Three Thousand Seven Hundred & Eighty One and Paise Eighty Only
101	Supply ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :15 mm nominal bore	5.00	each	266.06	INR	1330.30	INR One Thousand Three Hundred & Thirty and Paise Thirty Only



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102	Supply ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :20 mm nominal bore	5.00	each	291.74	INR	1458.70	INR One Thousand Four Hundred & Fifty Eight and Paise Seventy Only
103	Supply ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :25 mm nominal bore	5.00	each	292.71	INR	1463.55	INR One Thousand Four Hundred & Sixty Three and Paise Fifty Five Only
104	Supply gun metal non- return valve of approved quality (screwed end) :50 mm nominal bore Horizontal	5.00	each	1015.30	INR	5076.50	INR Five Thousand & Seventy Six and Paise Fifty Only
105	Supply gun metal non- return valve of approved quality (screwed end) :50 mm nominal bore Vertical	5.00	each	1147.92	INR	5739.60	INR Five Thousand Seven Hundred & Thirty Nine and Paise Sixty Only
106	Supply brass ferrule with C.I. mouth cover including boring and tapping the main : 25 mm nominal bore.	10.00	each	281.95	INR	2819.50	INR Two Thousand Eight Hundred & Nineteen and Paise Fifty Only
107	Supply uplasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore.	10.00	each	46.61	INR	466.10	INR Four Hundred & Sixty Six and Paise Ten Only





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108	Supply C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	5.00	each	149.92	INR	749.60	INR Seven Hundred & Forty Nine and Paise Sixty Only
109	Supply C.P. brass bib cock of approved quality conforming to IS:8931 15 mm nominal bore	5.00	each	367.12	INR	1835.60	INR One Thousand Eight Hundred & Thirty Five and Paise Sixty Only
110	Supply C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	10.00	each	608.14	INR	6081.40	INR Six Thousand & Eighty One and Paise Forty Only
111	Supply C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	20.00	each	605.72	INR	12114.40	INR Twelve Thousand One Hundred & Fourteen and Paise Forty Only
112	Supply C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	20.00	each	511.78	INR	10235.60	INR Ten Thousand Two Hundred & Thirty Five and Paise Sixty Only



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113	Supply C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	50.00	each	425.51	INR	21275.50	INR Twenty One Thousand Two Hundred & Seventy Five and Paise Fifty Only
114	Supply C.P. Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge.	20.00	each	50.76	INR	1015.20	INR One Thousand & Fifteen and Paise Twenty Only
115	Supply C.I. cover without frame for manholes : 455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg etc Complete as per direction of Engineer-in-Charge.	10.00	each	1115.72	INR	11157.20	INR Eleven Thousand One Hundred & Fifty Seven and Paise Twenty Only
116	Supply C.I. cover without frame for manholes : 500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg etc Complete as per direction of Engineer-in-Charge.	10.00	each	2807.20	INR	28072.00	INR Twenty Eight Thousand & Seventy Two Only
117	Supply C.I. cover without frame for manholes : 560 mm diameter C.I. cover (heavy duty) the weight of the cover	10.00	each	6189.70	INR	61897.00	INR Sixty One Thousand Eight Hundred & Ninety Seven Only



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	to be not less than 108 kg etc Complete as per direction of Engineer-in-Charge.						
118	supply of Zinc alloyed ( powder coated) touch lock of 102 mm for aluminium sliding window of starlock or euivalent make etc complete as per direction of Engineer-in-Charge.	100.00	each	64.11	INR	<b>6411.00</b>	INR Six Thousand Four Hundred & Eleven Only
119	supply of Zinc alloyed (white powder coated) touch lock of 182 mm for sliding aluminium door of starlock or euivalent make etc complete as per direction of Engineer-in-Charge.	100.00	each	221.48	INR	<b>22148.00</b>	INR Twenty Two Thousand One Hundred & Forty Eight Only
120	Supply of Aluminium double adujstable roller withstand 90 kg load for sliding doors of "Mangalam (code-2705)"/starlock or euivalent make etc complete as per direction of Engineer-in-Charge.	150.00	each	121.06	INR	<b>18159.00</b>	INR Eighteen Thousand One Hundred & Fifty Nine Only
121	Supply of double adujstable 3/4 " section roller 20mm for Aluminium sliding windows	300.00	each	23.56	INR	<b>7068.00</b>	INR Seven Thousand &Sixty Eight Only



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	with necessary fitting etc.complete as per direction of Engineer-in-Charge.						
122	Supply of two point powder coated handle of 100 mm long for aluminium openable windows of approved brand as per direction of Engineer-in-Charge.	100.00	each	24.62	INR	<b>2462.00</b>	INR Two Thousand Four Hundred & Sixty Two Only
123	Supply of weather stripping brush for strip seal for sliding door and windows including cost and conveyance of material and fittings etc complete as per direction of Engineer-in-Charge.	100.00	metre	58.64	INR	<b>5864.00</b>	INR Five Thousand Eight Hundred & Sixty Four Only
124	Supply of SS aldrop 250mm x 16 mm x 3mm for door of required colour or shade, with nuts and screws etc complete as per direction of Engineer-in-Charge.	20.00	each	385.85	INR	<b>7717.00</b>	INR Seven Thousand Seven Hundred & Seventeen Only
125	Supply of automatic motion hinge (Soft Close) of nickle plated finish for wardrobe door of Euro/godrej/equivalent make with necessary screws etc	30.00	each	164.58	INR	<b>4937.40</b>	INR Four Thousand Nine Hundred & Thirty Seven and Paise Forty Only



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	complete.shutter to be close slow motion with bending and maximum opeing of the shutter should be 105 degree as directed by Engineer-in charge.						
126	supply of decorative zinc aluminium plated finish handle of 114 mm lenght for modular kitchen drawer handle of hettich (Item code: 9202433)or equivalent make complete as directed by Engineer-in charge.	30.00	each	106.31	INR	3189.30	INR Three Thousand One Hundred & Eighty Nine and Paise Thirty Only
127	supply of zinc copper look handle(screw hole distance c/c 96 mm) for cupboard door complete of hettich(item code-9131285) or equivalent make as directed by Engineer-in charge.	30.00	each	214.58	INR	6437.40	INR Six Thousand Four Hundred & Thirty Seven and Paise Forty Only
128	Supply of 15mm CP health faucet (for ablution) ALD-CHR-565 of Jaquar,or equivalnt make, as per manufacturers specification with necessary flexible hose	100.00	each	987.29	INR	98729.00	INR Ninety Eight Thousand Seven Hundred & Twenty Nine Only



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	1000mm long minimum, CP wall flanges, C P wall cap etc. complete. (The cost is inclusive of all material involved in the item.) as per direction of Engineer-in-Charge.						
129	supply Sink Cock with Regular Swinging Spout (Wall Mounted Model) With Wall Flange including cost and conveyance of material,for complete item of Jaquar(FLR-CHR-5347N) or equivalent make as per direction of Engineer-in-Charge.	20.00	each	2165.51	INR	<b>43310.20</b>	INR Forty Three Thousand Three Hundred & Ten and Paise Twenty Only
130	supply of jaquar or equivalent make of wall mixer with middle nove spindle and supply of both hot and clod water including fittings with cost and conveyance of material for complete item as	30.00	each	638.81	INR	<b>19164.30</b>	INR Nineteen Thousand One Hundred & Sixty Four and Paise Thirty Only



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	directed by Engineer-in charge.						
131	Supply of overhead shower 120mm dia round shape multi flow (ABS body chrome plated with gray face plate) with rubit cleaning system with fittings of jaquar(OHS-CHR-1799) or equivalent make including cost and conveyance of material ,for complete item as per direction of Engineer-in-Charge.	11.00	each	2436.19	INR	26798.09	INR Twenty Six Thousand Seven Hundred & Ninety Eight and Paise Nine Only
132	Supply of 6 mm thick ET-125 & ST-450 toughened colour glass forglazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete including cost and conveyance of material as	20.00	sq.m	2532.08	INR	50641.60	INR Fifty Thousand Six Hundred & Forty One and Paise Sixty Only



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	directed by Engineer-in charge.						
133	Engagement of JCB for cutting and levelling of earth, spreading and levelling of materials including cost of operator fuel, T&P etc all completed as per the direction of Engineer- in-charge.	50.00	hour	1260.00	INR	63000.00	INR Sixty Three Thousand Only
134	Supply of mortice lock 180mm long Stella with 6 lever locking mechanism including both side SS finished handles of Godrej or equivalent make with necessary fittings and reliable keys ,complete item as per direction of Engineering in-charge.	150.00	each	1426.27	INR	213940.50	INR Two Lakh Thirteen Thousand Nine Hundred & Forty and Paise Fifty Only





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Total in Figures					40,24,798.74	Forty Lakh twenty four thousand seven hundred ninety eight and paisa seventy four Only
Quoted Rate in Figures		Select			-	Zero Only
Quoted Rate in Words	INR Zero Only					