 Government eProcurement System	eProcurement System Government of India	
	Tender Details	
Date : 05-Mar-2025 05:47 PM		

 Print
Basic Details

Organisation Chain	IIT BHUBANESWAR		
Tender Reference Number	IITBBS/SE/Engg.Cell/27/2024-25		
Tender ID	2025_IITBR_852072_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	BOQ

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 ₹	4,200	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 Work				
Work Description	Providing and fixing aluminium partition in Room No.203 wash basin with water supply connections in Room No.201 203 of First year Lab complex wall painting in SECS Room No.001 018 019 Main Building server room external wall water connection etc.				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	2,07,692	Product Category	Civil Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work (Days)	45
Location	IIT Bhubaneswar at Argul	Pincode	752050	Pre Bid Meeting Place	07.03.2025
Pre Bid Meeting Address	Engineering Section, IIT	Pre Bid Meeting Date	07-Mar-2025 11:30	Bid Opening Place	Engineering Section, IIT

	Bhubaneswar	AM	Bhubaneswar
Should Allow NDA Tender	No	Allow Preferential Bidder	No

Publish Date	05-Mar-2025 06:00 PM	Bid Opening Date	13-Mar-2025 02:30 PM
Document Download / Sale Start Date	06-Mar-2025 09:00 AM	Document Download / Sale End Date	12-Mar-2025 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	06-Mar-2025 10:00 AM	Bid Submission End Date	12-Mar-2025 02:00 PM

Tender Documents				
NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Providing and fixing alumninium partition in Room No.203 wash basin with water supply connections in Room No.201 203 of First year Lab complex wall painting in SECS Room No.001 018 019 Main Building server room external wall water connection etc.	1413.86
Work Item Documents	S.No	Document Type	Document Name	Document Size (in KB)
	1	BOQ	BOQ_895708.xls	306.50

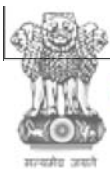
Bid Openers List			
S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	sambit@iitbbs.ac.in	Sambit Ranjan Mohanty	SAMBIT RANJAN MOHANTY
2.	diptiranjana@iitbbs.ac.in	Dipti Ranjan Pattanaik	DIPTI RANJAN PATTANAIAK
3.	biswaranjan@iitbbs.ac.in	BISWARANJAN PRADHAN	BISWARANJAN PRADHAN

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

TIA Undertaking			
S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority	
Name	SE Civil
Address	Engineering Section, IIT Bhubaneswar, Argul, Jatni, Khurdha

Tender Creator Details	
Created By	Dipti Ranjan Pattanaik
Designation	Assistant Executive Engineer(Civil)
Created Date	05-Mar-2025 05:31 PM



**Government
eProcurement
System**



INDEX

Name of Work: Providing and fixing aluminium partition in Room No.203, wash basin with water supply connections in Room No.201, 203 of First year Lab complex, wall painting in SECS Room No.001, 018, 019, Main Building server room external wall, water connection to EV charging station at main gate and MS terrace door at 3rd floor of SIF Building.

Sl. No.	Description	Page
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4	Information and e-Tendering for Contractors	4-6
5	Notice Inviting Tenders (Form CPWD-6)	7-10
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8.	Scope, terms and conditions of work	16-19
9.	Approved make list of materials (Annexure-A)	20
10.	Vendor Master Form (Annexure-B)	21
11.	Proforma of certificate regarding labour payments and statutory requirement to be furnished by contractor (Annexure-C)	22
12.	Proforma of no demand certificate by contractor (Annexure-D)	23
13.	Detailed about bidding agency (Annexure-E)	24
14.	Financial turnover of the organisation (Annexure-F)	25
15.	BOQ	26-34

NIT amounting to **Rs.2,07,692.00** (Rupees two lakhs seven thousand six hundred ninety two) only is approved.

[Certified that this N.I.T. contains **25** pages + BOQ contains **09** pages Total **34** pages only].

Superintending Engineer(Civil)
IIT Bhubaneswar



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Indian Institute of Technology Bhubaneswar

INDIAN INSTITUTE OF TECHNOLOGY
BHUBANESWAR
ENGINEERING SECTION

Notice Inviting e-Tenders No. IITBBS/SE/Engg.Cell/28/2024-25

The Superintending 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/28/2024-25,

Name of work: **Providing and fixing aluminium partition in Room No.203, wash basin with water supply connections in Room No.201, 203 of First year Lab complex, wall painting in SECS Room No.001, 018, 019, Main Building server room external wall, water connection to EV charging station at main gate and MS terrace door at 3rd floor of SIF Building.**

Estimated cost **Rs.2,07,692.00 (including GST).**

Earnest money Rs. 4,200/-,

Period of completion 45(forty five) days,

Last time & dated of submission of bid 2.00PM on 12.03.2025

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

No. IITBBS/SE/Engg.Cell/28/2024-25 Dated: 05.03.2025 Superintending Engineer(C)



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PART-A



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

The Superintending 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	NIT No. 28/Civil/2024-25 Providing and fixing aluminium partition in Room No.203, wash basin with water supply connections in Room No.201, 203 of First year Lab complex, wall painting in SECS Room No.001, 018, 019, Main Building server room external wall, water connection to EV charging station at main gate and MS terrace door at 3rd floor of SIF Building.	2,07,692/-	4,200/-	45 days	Up to 2:00 PM on 12.03.2025	Date and time of submission of hard copy tender with EMD up to 2:00 PM on 12.03.2025	At 2:30 PM on 13.03.2025

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.



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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 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.
4. Scan copy of E.M.D. as to be submitted in hard copy.
5. Registration Certificate of GST No.



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The Superintending Engineer, IIT Bhubaneswar on behalf of Director (IIT Bhubaneswar) invites online percentage rate tenders from approved and eligible Contractors for the works of **Providing and fixing aluminium partition in Room No.203, wash basin with water supply connections in Room No.201, 203 of First year Lab complex, wall painting in SECS Room No.001, 018, 019, Main Building server room external wall, water connection to EV charging station at main gate and MS terrace door at 3rd floor of SIF Building.**

CPWD-6 FORM e-Tendering

- 1 The work is estimated to **Rs.2,07,692/- (including GST)**. This estimate, however, is given merely as a rough guide. The quoted rates should be including 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 building 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 2021-22, FY 2022-23 and FY 2023-24) 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



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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.

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 **45(forty five) days from** the date of start mentioned in the work order or 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 and shall be submitted online on website www.eprocure.gov.in . Other necessary documents also can be seen in the office of the Superintending 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 Superintending Engineer, IIT Bhubaneswar, Argul up to **2.00 P M on 12.03.2025**. The envelope containing EMD shall be submitted in the office of Superintending 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.



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The tender submitted shall be opened at 02:30 PM on **13.03.2025**. 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.

9. The contractor whose tender is accepted will be required to furnish performance 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 Superintending 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.



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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 Superintending 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 Superintending 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 Superintending 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



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absolutely. The said Performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents.

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



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PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of Quantities:

Page 26 to 34

SCHEDULE 'E'

Reference to General Conditions of contract

Name of Work:		
Estimated cost of the work:	Civil Work	Rs. 2,07,692/-
Earnest money	Rs. 4,200/- (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

Superintending Engineer,
Engineering Section
IIT Bhubaneswar



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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	Superintending Engineer, Engineering Section IIT Bhubaneswar
2(viii)	Accepting Authority	Superintending 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 construction 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: Superintending Engineer
- (ii) Rescheduling of milestone: Superintending Engineer
- (iii) Shifting of date of start in case of delay in handing over of site: Superintending 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.2.07 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

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

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 campus of IIT Bhubaneswar at Argul. The agency may inspect and examine the sites and its surrounding if required before submitting his tender.
2. The scope of the work includes but not limited to the followings.
 - a. An aluminium partition will be made in Room No.203 as shown in the drawing. The glass will be fixed in the top half portion off the door and 9mm thick prelaminated particle boards will be fixed at other locations.
 - b. Providing and fixing wash basins in Room No.201 & 203 of first year lab complex with water supply connection and sanitary fittings. The tapping for water supply connections will be made from the existing pipe line by our Institute plumber and the required fittings will be purchased from impressed fund.
 - c. The damaged doors of SIF opening towards terrace at 3rd floor (west side) will be replaced with MS doors with frames and will be painted with enamel paint.
 - d. The wall of the room No.001, 18 & 19 of SECS building will be painted with one coat of distemper and doors with one coat of enamel paint.
 - e. Water supply connection with CPVC pipes will be connected from AC Plant-2 to existing pipe towards Main gate.
 - f. Distemping of external wall of server Room of Main Building at ground floor is also considered in the estimate
3. The test and warranty certificates should be submitted by the agency time to time as per the requirement of Institute. 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.
4. The contractor should deploy adequate manpower at the worksite during execution of the work. The supervisor of the agency will oversee daily progress and relevant record keeping register as per BOQ with prior information to the Engineering section.
5. Time allowed for the execution of work is **45(forty five) days**.
6. 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.
7. 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.
8. 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 Superintending Engineer/ Superintending Engineer may in his 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.
9. 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.
10. Contractors may attend the Pre-bid meeting on **07.03.2025 at 11.30AM** at Engineering section Meeting Room, 3rd floor, Main Building, IIT Bhubaneswar.
11. The initial qualification of bidder will be based on the fulfilment of qualifying criteria mentioned elsewhere in this document.



12. The Engineer-in-charge can reduce the scope of work.
13. 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.
14. 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.
15. 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.
16. 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.
17. **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.
18. 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.
19. 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.
20. It shall be ensured by the contractor that no electric live wire is left exposed or unattended to avoid any accidents in this regard.
21. 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.
22. The contractor shall submit the proof of payment of royalty on sand, chips etc or valid transit pass, royalty as applicable.
23. No free issue material will be issued to the agency.
24. Contractor's job will also include removing of all debris arising in the process of execution of the work, at no extra cost.
25. The contractor has to provide all the personal protective equipment (PPE) to the workers engaged by him. 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.
26. Liquidated Damage: With maximum rate @ 1% (one percent) per month of delay to be computed on per day basis based on the value of work lagging behind in completion shall be levied and the total amount of compensation for delay to be levied under this condition



shall not exceed 10 % (ten percent) of the accepted Tendered Value of work.

27. 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.

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 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. 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.

34. 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.



35. 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.

36. 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.
37. 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.
38. 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.
39. The rate for all items in which the use of cement is involved is inclusive of charges for curing.
40. 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. NO.	ITEM	SUGGESTED BRAND NAME OR SIMILAR
Sl No	Type of Material	Approved Brand
01.	Cement (OPC/PPC/PSC)	ACC / Ultratech / Ambuja / Lafarge / Birla
02.	White cement	J.K.White/Birla white/Ultratech/Wonder
03.	Acrylic Distemper	Dulux/ Nerolac /Asian Paints/ Berger
04.	Putty	Birla / JK/ Asian / Berger
05.	Structural steel	TATA / SAIL / RINL/JINDAL
06.	False ceiling & frame	Armstrong or Knauf /Saint Gobain/ USG Boral / Diamond
07.	Aluminium Section	Hindalco / Jindal
08.	Water supply & Drainage Pipes	Astral/Supreme/Prayag/Hindware

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:



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Annexure-E

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.	Financial turnover of the Organisation for the last 3 years (Attach CA certified statements)				
	Turnover (In Lakhs)	2021-22	2022-23	2023-24	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: Superintending Engineer(Civil)

Name of Work: Providing and fixing aluminium partition in Room No.203, wash basin with water supply connections in Room No.201,203 of First Year lab complex, wall painting in SECS Romm No.001,018,019, Main building server room external wall, water connection to EV charging station at Main gate and MS terrace door at 3rd floor of SIF Building.

Contract No: IITBBS/SE/Engg.cell/28/2024-25

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 relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With Taxes in Rs. P	TOTAL AMOUNT In Words
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1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : Powder coated aluminium (minimum thickness of powder coating 50 micron)	118.00	Kg	495.81	58505.58	INR Fifty Eight Thousand Five Hundred Five & Paise Fifty Eight Only
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2	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :</p> <p>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)</p> <p>Powder coated aluminium (minimum thickness of powder coating 50 micron)</p>	7.00	Kg	600.55	4203.85	INR Four Thousand Two Hundred Three & Paise Eighty Five Only
3	<p>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):</p> <p>With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)</p>	1.10	Sqm	1409.46	1550.41	INR One Thousand Five Hundred Fifty & Paise Forty One Only
4	<p>Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete</p>	1.00	Pcs	247.86	247.86	INR Two Hundred Forty Seven & Paise Eighty Six Only



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5	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-incharge. Powder coated minimum thickness 50 micron aluminium	2.00	Pcs.	95.27	190.54	INR One Hundred Ninety & Paise Fifty Four Only
6	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	1.00	Pcs.	1090.57	1090.57	INR One Thousand Ninety & Paise Fifty Seven Only
7	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required : Size 450x300x150 mm	2.00	Pcs	4543.43	9086.86	Nine Thousand Eighty Six & point Eighty Six Only
8	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. 20 mm nominal dia Pipes	15.00	Mtr	345.68	5185.20	Five Thousand One Hundred Eighty Five & point Twenty Only



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9	<p>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.</p> <p>25 mm nominal dia Pipes</p>	10.00	Mtr	434.41	4344.10	Four Thousand Three Hundred Forty Four & point Ten Only
10	<p>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.</p> <p>32 mm nominal dia Pipes</p>	50.00	Mtr	532.65	26632.50	Twenty Six Thousand Six Hundred Thirty Two & point Fifty Only
11	<p>Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.</p> <p>32 mm nominal dia Pipes</p>	50.00	Mtr	462.59	23129.50	Twenty Three Thousand One Hundred Twenty Nine & point Fifty Only



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12	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357 mm	2.00	No.	1232.31	2464.62	Two Thousand Four Hundred Sixty Four & point Sixty Two Only
13	Providing and fixing 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	2.00	No.	753.24	1506.48	One Thousand Five Hundred Six & point Forty Eight Only
14	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 32mm Flexible pipe	2.00	No.	110.96	221.92	Two Hundred Twenty One & point Ninety Two Only
15	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	1.00	No.	116.54	116.54	One Hundred Sixteen & point Fifty Four Only
16	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	1.00	No.	111.01	111.01	One Hundred Eleven & point Zero One Only
17	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade : Old work (one or more coats)	218.00	Sqm	60.40	13167.20	Thirteen Thousand One Hundred Sixty Seven & point Twenty Only



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18	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	2.50	Sqm	131.69	329.23	Three Hundred Twenty Nine & point Twenty Three Only
19	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	22.00	Sqm	92.03	2024.66	Two Thousand Twenty Four & point Sixty Six Only
20	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces for one double leave doors of approximate size 900mm width and 2400mm height	4.00	Sqm	5083.80	20335.20	Twenty Thousand Three Hundred Thirty Five & point Twenty Only
21	Providing and fixing 9mm thick prelaminated board flat pressed three layer or graded wood particle board conforming to IS:12823 Grade-I , Type-II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P brass/stainless steel screws etc. complete as per architectural drawings and direction of Engineer-in-charge.	26.20	Sqm	897.20	23506.64	Twenty Three Thousand Five Hundred Six & point Sixty Four Only
22	Providing and fixing aluminium door lock with 4 louvers for aluminium doors including necessary cutting and making good etc. compelte including coat of SS screws.	1.00	Pcs	1089.26	1089.26	One Thousand Eighty Nine & point Twenty Six Only



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23	Providing and fixing rubber buffer necessary stainless steel screws etc to suit shutter thickness complete.	1.00	Pcs	177.94	177.94	One Hundred Seventy Seven & point Ninety Four Only
24	Providing and fixing ball valve (brass) of approved quality , high or low pressure with plastic floats complete:20mm diameter 20mm CPVC ball valve.	2.00	No.	431.05	862.10	Eight Hundred Sixty Two & point Ten Only
25	Providing and fixing ball valve (brass) of approved quality , high or low pressure with plastic floats complete:25mm diameter 25mm CPVC ball valve	2.00	No.	731.25	1462.50	One Thousand Four Hundred Sixty Two & point Fifty Only
26	Providing and fixing ball valve (brass) of approved quality , high or low pressure with plastic floats complete:32mm diameter 32mm CPVC ball valve	2.00	No.	1071.20	2142.40	Two Thousand One Hundred Forty Two & point Forty Only
27	Providing and fixing float valve of approved quality, High or low pressure, with plastic floats etc complete for 15mm diameter	3.00	No.	529.23	1587.69	One Thousand Five Hundred Eighty Seven & point Sixty Nine Only



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28	Providing and fixing on wall face unplasticised Rigid PVC pipes of 40mm dia conforming to IS: 13592 including jointing of pipes	12.00	Mtr	201.66	2419.92	Two Thousand Four Hundred Nineteen & point Ninety Two Only
Total in Figures					207692.28	INR Two Lakh Seven Thousand Six Hundred Ninety Two & Paise Twenty Eight Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				