

Basic Details

Organisation Chain	IIT BHUBANESWAR		
Tender Reference Number	IITBBS/SE/Engg section/14/2026-27		
Tender ID	2026_IITBR_924028_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	Direct Credit
	2	Demand Draft
	3	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 ₹	8,76,500	EMD Exemption Allowed	No
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	Development of the area and landscaping at Chintan Chhaya at IIT Bhubaneswar				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	4,38,22,172	Product Category	Civil Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	180
Location	Main Building, 3rd floor IIT Bhubaneswar, Argul	Pincode	752051	Pre Bid Meeting Place	Engineering Section
Pre Bid Meeting Address	3rd floor Main Building IIT Bhubaneswar Engineering Section, Argul Jatni, Odisha	Pre Bid Meeting Date	04-Sep-2026 11:30 AM	Bid Opening Place	Engineering Section
Should Allow NDA Tender	No	Allow Preferential Bidder	No		
Tenderer Class	As per Tender Document				

Critical Dates

Publish Date	28-Aug-2026 04:00 PM	Bid Opening Date	18-Sep-2026 02:30 PM
Document Download / Sale Start Date	28-Aug-2026 04:30 PM	Document Download / Sale End Date	17-Sep-2026 02:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	28-Aug-2026 05:00 PM	Bid Submission End Date	17-Sep-2026 02:00 PM

Tender Documents

NIT Document	S.No		Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf		Development of the area and Landscaping at Chintan Chhaya at IIT Bhubaneswar	15477.49
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_971000.xls	Financial bid	418.00

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 PATTANAİK
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 Compactive 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	3rd floor Main Building IIT Bhubaneswar Engineering Section, Argul Jatni, Odisha

Tender Creator Details

Created By	Dipti Ranjan Pattanaik
Designation	Assistant Executive Engineer(Civil)
Created Date	28-Aug-2026 03:17 PM



INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR
ARGUL, JATNI, KHORDHA 752050

E-TENDER DOCUMENT

For

**Development of the area and Landscaping at Chintan Chhaya at IIT
Bhubaneswar.**

**Notice Inviting Tender Serial No. IITBBS/Engg. Section/14/2026-27
dated. 27.08.2026**



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

INDEX

Name of Work: Development of the area and Landscaping at Chintan Chhaya at IIT Bhubaneswar.

Sl. No.	Description	Page
1	Index Page	1
2	Notice inviting E-tenders	2-3
3.	Information to bidder	4-10
4.	Tender (Standard form for agreement)(Annexure-A)	11-12
5.	Proforma of schedule	13-15
6.	Scope of the Work	16
7.	Terms and conditions of work	17-20
8.	Undertaking by Bidder (Annexure-B)	21
9.	Undertaking for GCC Compliance(Annexure-C)	22
10.	Bid security declaration form (Annexure-D)	23
11.	Undertaking regarding black listing/non debarment (Annexure-E)	24
12.	Vendor Master Form (Annexure-F)	25
13.	Proforma of certificate regarding labour payments and statutory requirement to be furnished by contractor (Annexure-G)	26
14.	Proforma of no demand certificate by contractor (Annexure-H)	27
15.	Detailed about bidding agency (Annexure-I)	28
16.	Financial turnover of the organisation (Annexure-J)	29
17.	Approved make list (Annexure-K)	31
18.	Check list (Annexure-L)	32
19.	Form of Performance Guarantee/Bank guarantee (Annexure-M)	33-34
20.	BOQ (Annexure-N)	35-95
21.	Tender and Site Layout drawings (Annexure-O)	96-111

NIT amounting to ₹ 4,38,22,172.04(Rupees four crores thirty eight lakhs twenty two thousand one hundred seventy two and paise four)only is approved.

[Certified that this N.I.T. contains 52 pages + BOQ contains 59 pages: Total 111 pages only]

Superintending Engineer(Civil)
IIT Bhubaneswar



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

1.3 ELIGIBILITY CRITERIA

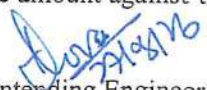
1.3.1 The bidder must have completed value of works as given below with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization during last 7 (seven) years from the last date of bid submission.

- i) at least ONE similar work of value 80% of the estimated cost
or
- ii) TWO similar works each of value 60% of the estimated cost
or
- iii) THREE similar works each of value 40% of the estimated cost;

Similar Works shall mean: Civil Construction Works.

Work Completion certificate for the similar work must be submitted & the same must be issued not below the rank of Executive Engineer or equivalent cadre. Completion certificate issued by Competent Authority will be considered as credential. If the Completion certificate issued by the Competent Authority does not reflect the type of work, then Final bill/ Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates.

- 1.3.2 The bidder must have GST registration certificate and Permanent Account Number of income tax. The validity of the registrations should be valid as on the date of tender submission.
- 1.3.3 The average annual financial turnover for any 3(three) consecutive financial years from FY 2021-22, FY 2022-23, FY 2023-24 and FY 2024-25 should be at least 75% of the estimated cost of the above work. The details are to be submitted at **Annexure-J** (Financial turn over including CA certified statements).
- 1.3.4 Agencies that are debarred or blacklisted by any Govt. Departments are not eligible to participate in the tender. An undertaking is to be submitted along with the bid as per **Annexure-E** by the bidders to the effect that during the last 3 year period prior to the bid notification date 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.


Superintending Engineer (Civil)

On behalf of Director Indian Institute of Technology Bhubaneswar

Copy to:

- 1. Registrar, IIT Bhubaneswar
- 2. Chairperson(Infrastructure), IIT Bhubaneswar
- 3. Executive Engineer(Civil) & Executive Engineer (Elect.), IIT Bhubaneswar
- 4. Assistant Executive Engineer(Civil) & Assistant Engineer (Elect.), IIT Bhubaneswar
- 5. Assistant Registrar(F&A), IIT Bhubaneswar
- 6. Notice Board/ Tender notice uploaded to CPP Portal and Institute website.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर

Indian Institute of Technology Bhubaneswar

1. NOTICE INVITING E-TENDER

1.1. INTRODUCTION

Indian Institute of Technology (IIT) Bhubaneswar, hereinafter called IITBBS, invites online percentage rate tenders through CPP portal from the eligible contractors for the work **“Development of the area and Landscaping at Chintan Chhaya at IIT Bhubaneswar”** particulars of the works are as following.

1.2. PARTICULARS

1. NIT Number	NIT No. IITBBS/SE/Engg.Section/14/2026-27
2. Name of work	Development of the area and Landscaping at Chintan Chhaya at IIT
3. Location of work	IIT Bhubaneswar, Argul, Jatni-752050
4. Estimated cost (including GST)	₹ 4,38,22,172.04(Rupees four crores thirty eight lakhs twenty two thousand one hundred seventy two and paise four)only
5. Time Limit for Execution	06(Six) months from date of start.
6. Tender Basis and Mode	L-1 basis ,Two stage(Technical bid and Financial bid)
7. Earnest money deposit	₹ 8,76,500/- (Refundable without interest)
8. Mode of payment to IITBBS (EMD)	i. Original Demand Draft/FDR has to be submitted physically at the office of SE(Civil) on or before the due date/extended date of submission of bid or may be deposited online in the bank account (as mentioned in Clause 2.1.14 of general instructions) & Scanned copy of Demand Draft/FDR/ online payment acknowledgement slips has to be uploaded on https://eprocure.gov.in/eprocure /app ii) Demand draft to be drawn in favour of Registrar, IIT Bhubaneswar payable at Bhubaneswar or the FDR should be pledged in favour of Registrar, IIT Bhubaneswar.
9. Closing date & Time for Receipt of bids.	Dt.17.09.2026 at 2.00 P.M
10. Date & Time for opening technical of bid	Dt.18.09.2026 at 2.30 P.M
11. Pre bid meeting	Dt.04.09.2026 at 11.30 A.M
12. Engineer-in-charge and contact details.	Superintending Engineer (Civil), IIT Bhubaneswar Argul, Jatni, Dist-Khordha, Odisha.
13. Address for tender issue, submission and opening	Office of the Superintending Engineer (Civil), 3 rd floor, Main Building, IIT Bhubaneswar, Jatni, 752050, Odisha. Tel: 0674-7138700
14.Website for full and updated information	www.iitbbs.ac.in https://eprocure.gov.in/eprocure /app



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

2. INFORMATION TO BIDDER

2.1. GENERAL INSTRUCTION

- 2.1.1 Bidding documents are to be obtained electronically through websites: <https://www.iitbbs.ac.in> or <https://eprocure.gov.in/eprocure/app>.
- 2.1.2 This bid document shall be read in conjunction with CPWD GCC (General Conditions of Contract-2023 for Maintenance Works) <https://cpwd.gov.in/Documents>.
- 2.1.3 The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to the site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all day as per the requirement.
- 2.1.4 All clarifications about the tender shall be sought by bidder on or before pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. Intending bidder(s) may also send their queries or suggestion, if any, through e-mail to the Engineer-in-charge on or before pre-bid meeting. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.
- 2.1.5 The bidding document (consisting of Tender Schedule, Scope of Work, the set of terms and conditions of the contract and other documents if any), Addendum/Corrigenda, Clarifications to Pre-bid queries if any shall be published only on the website any time before the closing time of tender and the same can be downloaded from the Institute website or from the CPP portal. The institute shall not be responsible for any delay / difficulties /inaccessibility of downloading the tender documents for any reason whatsoever. The tenderers who have downloaded the tender documents from website must visit the website and ensure that such addendum(s)/ corrigendum (if any) is also downloaded by them. This shall be the responsibility of the prospective bidders to check the web site for any such corrigendum/addendum before closing time of tender and ensure that bid submitted by them are in accordance with all the corrigendum's/addendums.
- 2.1.6 All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the Institute accepts no liability whatsoever therefore.
- 2.1.7 Rates quoted by the bidders shall be inclusive of GST (Goods and Services Tax- Central, State and Interstate) and all applicable taxes including freight. Taxes and other statutory deductions like labour cess etc. will be deducted from the RA bills as per prevailing rules.
- 2.1.8 Exemption to IITBBS against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITBBS after award shall be passed on to IITBBS by the contractor without dispute.
- 2.1.9 IITBBS reserves the right to reject any or all of the bids without assigning any reason thereof.
- 2.1.10 Bid Validity: Bid shall remain valid for 120 days from the date of opening of tender document.
- 2.1.11 Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till completion of the entire work & shall not attract any escalation under any circumstances whatsoever.
- 2.1.12 If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if the such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will



be debarred from participation in future tendering process in IITBBS for next 02(two) years.

2.1.13 Refund / Conversion of Earnest Money Deposit: The Earnest Money received shall be returned to the unsuccessful bidders without any interest after award of the work/finalisation of the tender. The Earnest Money Deposit of successful bidder shall be returned on submission of performance guarantee.

2.1.14 The intending tenderer can pay the amount of EMD through Demand Draft drawn in favour of **Registrar, IIT Bhuvaneshwar** from any Scheduled Bank

or

Fixed Deposit Receipts pledged in favour of **Registrar, IIT Bhuvaneshwar** from any Scheduled Bank

or

Through online deposit in the below mentioned account details.

Details of Account Holder:

Name and Designation of the Account: IIT Bhuvaneshwar

Address: Indian Institute of Technology, Arugul, Jatni-752050

Bank Accounts Details:

Institute's Bank Name: ICICI bank Limited

Branch Name with Address: Nangalia Complex, Main Road, Jatni, Dist- Khurda, Odisha-752050

Complete Bank Account Number: 006101055198

IFSC Code of the Branch: ICIC0001985

MICR Code: 751229009

SOL ID: 1985

The Institute will not be responsible for deposit of the EMD by the bidder in wrong account number or failure in online deposit due to any reasons. The online payment acknowledgement slip has to be uploaded on <http://eprocure.gov.in/eprocure/app>.

Bids without valid EMD will be rejected summarily.

2.1.15 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 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.

2.1.16 The envelope containing EMD shall be submitted in the office of Superintending Engineer, IIT Bhuvaneshwar, Argul before the last date & time of submission of tender only on working days during the working hours. 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 EMD will be released to all the bidders except L1 bidder after finalisation of tender. The EMD of the L1 bidder will be released after submission of Performance Guarantee.**

2.1.17 Forfeiture of Earnest Money Deposit: Earnest Money Deposit will be forfeited in any of the following cases.

- i) The bidder withdraws / modifies his tender during the period of Bid Validity.
- ii) The bidder, in case of tie between lowest bids, refuse to submit revised offer.
- iii) The bidder does not accept the correction of arithmetical errors of his tender.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

- iv) The bidder refuse to accept the terms and conditions of the NIT after submission of bid for the tender.
- v) The bidder fails to deposit Performance Guarantee and information as per format given in GCC within the stipulated time before award of the work.
- 2.1.18 The tender document consisting of Tender Schedule, Scope of work, 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>.
- 2.1.19 The following documents are to be uploaded along with tender.
- i) Copy of valid GST Registration.
- ii) Required Experience / completion certificates with relevant work order copy for similar nature of works
- iii) Certificate of EPF with latest EPF slip deposit & ESIC.
- iv) Copy of E.M.D. has to be uploaded and the original EMD document to be submitted in the office.
- v) Undertaking by bidder(Annexure-B)
- vi) Undertaking for GCC Compliance (Annexure-C)
- vii) Bid security declaration form (Annexure-D)
- viii) Undertaking regarding black listing/non debarment(Annexure-E)
- ix) Details about bidding agency (Annexure-I)
- x) Check list (Annexure-L)
- xi) Certificate of financial Turnover from Chartered Accountant as per **Annexure-J**
- 2.1.20 Contractor can upload documents in the form of JPG format and PDF format
- 2.1.21 The black listed/banned contractors of the Institute as given below are not eligible to participate in the tender.

SI No.	Name of the Vendor/Contractor	Period of banned
01.	M/s. Irfan Ahmad GST No. 07AEPPA2622H1ZS	2 years with effect from 03.09.2025
02.	M/s.Eureka Traders Bureau GST No. 19AEAPB1390N1ZH	5 years with effect from 02.02.2026

- 2.1.22 Agreement shall be drawn with the successful tenderers on prescribed Standard Form as mentioned in these tender documents. Tenderers shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
- 2.1.23 The time allowed for carrying out the work shall be **as mentioned at Caluse.1.2** 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.
- 2.1.24 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 can be referred on website www.iitbbs.ac.in and the bid shall be submitted online on website www.eprocure.gov.in
- 2.1.25 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.
- 2.1.26 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. A**



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender. In case of abnormally low bids, as defined, the bidder shall be required to submit Additional Performance Guarantee equivalent to the difference between the 80% amount of estimated cost and quoted amount. This guarantee shall be deposited through

- i) Demand Draft drawn in favour of **Registrar, IIT Bhubaneswar** from any Scheduled Bank
- Or
- ii) Fixed Deposit Receipts pledged to **Registrar, IIT Bhubaneswar** from any Scheduled Bank
- Or
- iii) Bank Guarantee pledged to **Registrar, IIT Bhubaneswar** from any Scheduled Bank

In case the contractor fails to deposit the said performance guarantee within period of 7 (seven) days from the date of issue of letter of Acceptance, The Engineer-in-Charge may give maximum allowable extension of time for submission of PS beyond 7 days and upto 15 days from the date of issue of this letter. However, a late fee @0.1% per day of PS shall be charged for the delay beyond 7 days, i.e. from 8th day after the date of issue of this letter. In case, the contractor fails to submit the requisite PS even after 15 days from the date of issue of this letter, the Contract shall be terminated and shall be suspended for five years and shall not be eligible to bid for IIT, Bhubaneswar tenders from the date of issue of suspension letter. The Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

- 2.1.27 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 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. The 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 of the work and local conditions and other factors having a bearing on the execution of the work.
- 2.1.28 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.
- 2.1.29 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.
- 2.1.30 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.
- 2.1.31 The contractor shall not be permitted to tender for works in the IIT Bhubaneswar, in which his near relative is posted in Accounts Section or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazetted officer in the IIT Bhubaneswar. Any breach of this condition by the contractor would render him ineligible for participating in future tenders at IIT Bhubaneswar.
- 2.1.32 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.
- 2.1.33 The following documents shall form a part of the work order/Agreement.
- a) The Notice Inviting Tender, all the documents including additional conditions, Tender Schedule, Scope of Work etc, 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 form of Agreement of the work as per Annexure-A.
- The tender document will include following three components

Part A:-

Standard form of Agreement of the work as per Annexure-A, Standard General Conditions of Contract of CPWD 2023 for **Construction work** 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. Competent authority (SE) 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.

2.2 SUBMISSION OF TENDER

- 2.2.1 Help for Contractors, FAQ, Information about DSC and Bidders Manual Kit containing the detailed guidelines for e-Procurement system are also available on Central Public Procurement Portal i.e. <https://eprocure.gov.in/eprocure/app>.
- 2.2.2 It is mandatory for all the bidders to have a valid Class-III Digital Signature Certificate (in the name of person having power of attorney to sign the Bid) from any of the licensed Certifying Agency (Bidders can see the list of licensed CA's from the link www.cca.gov.in) to participate in e-Procurement of IIT Bhubaneswar.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

- 2.2.3 It is mandatory for the bidders to get their firm /company registered with e-procurement portal <https://eprocure.gov.in/eprocure/app> to have user ID & password.
- 2.2.4 Tender documents will be available online on website <https://eprocure.gov.in/eprocure/app> which can be downloaded free of cost.
- 2.2.5 The tender documents shall be submitted online in the prescribed format given on the websites and technical bids received online shall be opened as per NIT or Corrigendum thereof. No other mode of submission is acceptable. Detailed credentials as per the requirement of eligibility criteria and all tender papers **except Tender Schedule** are to be submitted in "Technical Bid".
- 2.2.6 The "Financial Bid" has to be filled online and no physical submission of the Financial Bid is required.
- 2.2.7 Representative of the bidder, who chooses to attend, may attend the online opening of the technical bids on the scheduled date and time of Bid opening. However, such representatives shall be allowed to attend the opening of the Technical Bids, only, if such person presents the letter of authority issued in his name by the bidder on his letter head.
- 2.2.8 Bidders cannot submit the tender after the due date and time of e-bid submission. Time being displayed on Central Public Procurement Portal <https://eprocure.gov.in/eprocure/app> ("Server System Clock Time") shall be final and binding on the bidder. E-Bids are required to be submitted by bidders, only as per the Indian Standard Time (IST) and not the time as per their location/country.
- 2.2.9 The bidders are advised to submit their e-bids well before the e-bid due date. IIT BHUBANESWAR shall not be responsible for any delay in submission of e-bids for any reason including server and technical problems.
- 2.2.10 The Technical and Financial Bid shall be digitally signed by the Authorized Signatory of the bidder & submitted "on-line" only. The authorized signatory of the bidder must be in possession of Power of Attorney before submitting the digitally signed bid. Scanned copies of various documents can be prepared in .pdf file format.
- 2.2.11 **Any tender received without original Earnest Money in the form as specified in clause 1.2 at Sl.No.8 of this tender document shall not be considered and shall be summarily rejected.** IIT BHUBANESWAR reserves the right to cancel the tenders before submission/opening of tenders, postpone the tender submission/opening date and to accept/reject any or all tenders without assigning any reasons thereof. IIT BHUBANESWAR's assessment of suitability as per the eligibility criteria shall be final and binding. Tenderers may note that they are liable to be disqualified at any time during tendering process in case any of the information furnished by them is not found to be true. The decision of IIT BHUBANESWAR in this regard shall be final and binding.
- 2.2.12 The sealed EMDs shall be received at the Office of **Superintending Engineer (Civil)**, 3rd Floor, Main Building, IIT Bhubaneswar-752050 before the due date of submission as mentioned in **Para-1.2 at Sl.No.9** or Corrigenda otherwise. EMD received after the due date and time shall not be considered.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

2.3 EVALUATION OF BIDS AND AWARD OF WORK

- 2.3.1 The Bid of bidder will be opened on the specified date and time. Bids shall, first, be checked for payment of Earnest Money.
- 2.3.2 The Bid of bidder will be opened electronically on the specified date and time of opening at the Engineering Section, 3rd floor, Main Building in the presence of willing bidders or their authorized representatives.
- 2.3.3 Evaluation of Technical Bid: The bids received will then be assessed on the eligibility criteria mentioned at Para 1.3 of this Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.
- 2.3.4 IITBBS retains the right to revert back to individual bidders with further clarifications/queries on the Technical Bid. The bidder has to respond to the queries within the specified time.
- 2.3.5 Financial bids of the technically qualified bidders will only be opened. However, if a bidder does not quote any percentage above/below on the total amount of the tender, the tender shall be treated as invalid and will not be considered as lowest tender.
- 2.3.6 Letter of Acceptance: LOA will be issued to the L1 bidder & the bidder is required to furnish a Performance Guarantee as per Clause 2.1.26 within the schedule time & extension if any.
- 2.3.7 Work Order will be issued after receipt of the Performance Guarantee.
- 2.3.8 Agreement (Contract) as per the format attached at Annexure-A shall be executed with the awardee within 15 days from the issue of Work Order.
- 2.3.9 Stamp paper for the agreement has to be arranged by the bidder, the cost of which will also be borne by the contractor.
- 2.3.10 Date of start of work shall be reckoned from the 10th day from the date of the issue of Letter of Acceptance.



Annexure-A

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 the 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 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.

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

(a)

(b)

(c)

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)

For & on behalf of the Director,
IIT Bhubaneswar

Dated:

Signatures

Designation.....

PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of Quantities: Annexure-N

SCHEDULE 'E'

Reference to General Conditions of contract

Name of Work:	As described in Sl. No.1.2.2	
Estimated cost of the work:	Civil Work	As described in Sl. No.1.2.4
Earnest money	As described in Sl. No.1.2.7	
Performance Guarantee and LOI	5% of the quoted value of the composite work will be deposited as Performance Security. A bid will be treated as abnormally low if the quoted bid amount is lesser than 80% of the estimated cost put to tender. In case of abnormally low bids as defined, the bidder shall be required to submit Additional Performance Guarantee equivalent to the difference between the 80% amount of estimated cost and quoted amount. 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 by 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**



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Definitions:

2(vi)	Engineer-in-Charge (EIC)	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 To cover all overheads and profits Standard Schedule of Rates	15% DSR'2023 & Market rate
2(xi)	Department:	IIT Bhubaneswar.

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 for submission of Performance Guarantee with proper justification acceptance to the Competent Authority including the time allowed in (i) above: **15 days**.

Clause 2

Authority for fixing compensation:	Superintending Engineer, Engineering Section IIT Bhubaneswar
------------------------------------	--

Clause 5

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)

Mode of measurement: CMB

Clause 7A

Whether clause 7A shall be applicable: Yes

Clause 8A

Authority to decide compensation on account if contractor fails to submit completion plans :
Superintending Engineer Civil

Clause 10B (ii) Mobilization advance

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 12

Deviation limit beyond which clauses 12.2 & 12.3 shall be applied. **Not Applicable & Accepted Rate will be constant for any quantum of variation**

Clause 16	Competent Authority for Deciding reduced rates:	EIC
Clause 17	Contractor Liable for Damages, defects during defect liability Period	1(one) year from the date of completion of work.
Clause 18	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As the requirement of the work

Clause 19C Authority to decide penalty for each default : **Superintending Engineer**

Clause 19D Authority to decide penalty for each default : **Superintending Engineer**

Clause 19G Authority to decide penalty for each default : **Superintending Engineer**

Clause 19K Authority to decide penalty for each default : **Superintending Engineer**

Clause 25

Constitution of Dispute Redressal Committee (DRC): As decided by the competent authority of the Institute.

Arbitrator appointing Authority: As decided by the competent authority of the Institute.

Place of Arbitration: **Bhubaneswar**



SCOPE OF THE WORK

The work to be executed inside the campus of IIT Bhubaneswar at Argul, Jatni. The scope of the work includes but not limited to the followings.

1. Civil works as per the description of the items in the BOQ.
2. Landscaping & horticulture works.
3. Specialised architecture elements as per the description & drawing.
4. Any other works required for completion of the scope of development of the area as per the requirement & drawings.



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 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.
3. 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.
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 **as mentioned at Caluse-1.2.**
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. The work includes specialised architectural works with the use of natural, local materials/exposed stone, modified bamboo for structure & screens, clay tiles & modified thatch for roofing. Considering the same, the agency will mobilise skilled personnel having expertise for execution of these works. The agency will consult IIT Bhubaneswar while deploying expert/skilled manpower for such aesthetic/architectural elements to be executed under the work.
8. The agency has to submit the samples of the bought out items & get it approved from IIT Bhubaneswar. Approval of any material by the IIT Bhubaneswar shall not relieve the contractor of his responsibility for the requisite quality performance of the material used.
9. The consultant appointed by IIT Bhubaneswar will make regular visit to the site of the development. The agency has to extend all necessary help for the site visit by the consultant. The agency has to comply to any observations pointed out by the consultant as per the requirement, drawing & specifications.
10. 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.
11. 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 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.
12. For construction/maintenance work inside a building, the electricity and water supply sources will be provided by the Institute from the nearest building or available sources.
13. The Engineer-in-charge can reduce the scope of work.
14. 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.
15. 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.
16. 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



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

- be executed or as directed by the Engineer-in-charge and nothing extra shall be paid on this account.
17. The monthly RA bills of the contractor will be processed against submission of monthly Bill along with GST invoice, measurement sheet, vendor master form (Annexure-F) and other relevant documents. The agency has to submit the certificate as per Annexure- G and Annexure- H along with the all other documents mentioned above during submission of Final Bill.
 18. **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.
 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. No free issue material will be supplied 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 will be solely responsible for the safety of his deployed manpower for the work.
 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: In case of delay in completion of the contract, liquidated damage @ 0.5% (half percent) of the contract value per week for the work lagging behind and the total amount of compensation for delay subject to a maximum of 10% of contract value shall be levied.
 27. No escalation on account of any increase in price index, in the price of materials, increase in any applicable taxes or implication of levies etc. will be payable. No price escalation shall be applicable even during the extended period for completing the work.
 28. 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.
 29. 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.
 30. 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.
 31. 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.

32. 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.

33. All the materials to be used for the work shall confirm to the approved make list. 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.

34. 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.

35. 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.

36. The rate for all items in which the use of cement is involved is inclusive of charges for curing.

37. 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).

38. It will be the sole responsibility of your firm to abide by the provisions of the following acts as to the workers engaged by him for performance of this contract:

- a. Employment of children Act.
- b. Workmen Compensation Act.
- c. Employment of Labour.Contract labour Act.
- d. Industrial Employment Act.
- e. Contract Labour Abolition and Regulation Act 1970
- f. Minimum Wages Act.
- g. Employee Provident Fund Act.
- h. Any other act or legislation which may govern the nature of the contract.

39. The agency shall be liable to pay compensation for any loss and damaged caused to the property of IIT BHUBANESWAR. The damages made must be rectified by the agency without any extra cost. In case, the rectification will not be done, equivalent amount as assessed by the Engineer-in-charge will be deducted from the bill of the contractor. The cost for the same will be assessed by tender accepting authority and will be limited to the tender amount.

40. The contractor will get his deployed manpower (contract labourers employed for the work) covered under Group Insurance Scheme/ESI as applicable , following workmen’s compensation Act at his own cost.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

41. The full form of the abbreviations mentioned in BOQ is given below:
- (i) Sqm: Square Meter
 - (ii) No: Number
 - (iii) Kilogram: KG
 - (iv) Meter: Mtr
 - (v) EA:Each
42. The agency has execute any additional/ extra work which is required to complete the scope of work. The rate for which such additional/ extra item will be finalised as follows:
- i. For the items available in DSR, the rate will be as per the quoted rate of the agency with discount/ premium over the DSR 2023 items as in the contract.
 - ii. For the items which are not available in DSR, the rate will be finalised as per the market rate Analysis based on the copy of GST invoice submitted by the agency for the procurement of the materials required for the work & actual expenditure.
43. The agency has to deploy a dedicated supervisor having diploma/Degree in Civil Engg for the work. The supervisor will co-ordinate with the site engineer of the IIT BBS on daily basis for execution of the work. In case of non-deployment, penalty @ Rs 500 per day will be deducted from the agency.
44. The defect liability period is 01 year from the date of completion of the work. SD will be released after the defect liability period upon successful rectification of the defects observed during the defect liability period.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-B

UNDERTAKING BY THE BIDDER

UNDERTAKING

I\We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I\We, hereby tender for execution of the work specified for the Indian Institute of Technology Bhubaneswar within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs..... has been deposited through demand draft of a scheduled bank / Pay order as earnest money. If I /we, fail to furnish the prescribed performance guarantee within prescribed period, I /we agree that the Director, Indian Institute of Technology Bhubaneswar or his authorized officer 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 the Director, Indian Institute of Technology Bhubaneswar shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I\We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I\We shall be debarred for participation in the tendering process of the work.

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

Seal & Signature of Contractor
Postal Address:

Dated:

Witness:

Address

Occupation



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

ANNEXURE-C

UNDERTAKING FOR GCC COMPLIANCE

We hereby undertake that we shall fulfil all the terms & conditions of CPWD General Condition of Contract 2023 for **Construction work** with amended/ within the specified time frame, after the acceptance of our offer in case our offer is accepted; failing which IIT BHUBANESWAR may go ahead to take necessary action such as reporting the non-compliance to appropriate Government authorities and barring us from future participation in IIT BHUBANESWAR works.

DATED:

Seal & Signature of Contractor



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

ANNEXURE-D

BID SECURITY DECLARATION FORM

Date:

Tender No.

(complete name and address of the contractor)

I/We, The undersigned, declare that :

I/We understand that, According to your conditions, bids must be supported by a Bid Security Declaration),

I/We, accept that I/we may be disqualified from bidding for any contract with you for a period of two year from the date of notification if I am/We are in a breach of any obligation under the bid conditions, because I/We

- Have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instruction to Bidders.

I /We understand this Bid Security Declaration shall cease to be valid if I am/We are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/ our Bid.

Signed: (insert signature of person whose name and capacity are shown)

In the capacity of (insert legal capacity of person signing the bid Security declaration).

Name:

(insert complete name of person signing the Bid Security Declaration)

Duly authorized to sign the bid for an on behalf of

(insert complete name of Bidder)

Dated onday of

(Insert date of signing)

Corporate seal (where applicable)



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

ANNEXURE-E

UNDRTAKING REGARDING BLACK LISTING/ NON-DEBARMENT

I/We hereby confirm and declare that we, M/s -----, is not blacklisted/ deregistered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/ or any other agency for which we have executed/ undertaken the works/ Services during the last 3 years from the date of publication of the bid i.e dt.

Signature for Authorized person

Date:.....

Full Name:.....

Place:.....

Company seal:.....



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-F

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 Superintending (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.

Signature of the Contractor/agency



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-G

**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: _____

Place _____

Signature _____

Name _____

Designation _____

Company seal _____

Attestation:



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-H

**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:



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-I

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)	

Date:

Signature_____

Place

Name_____

Annexure-J

Format for Submission of Financial Turn Over

Financial turnover of the Organisation for **any three consecutive years** (Attach CA certified statements)

Financial year	2021-22	2022-23	2023-24	2024-25	Average of any three consecutive years
Turnover (In Lakhs)					

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)



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-K

APPROVED MAKE LIST OF MATERIALS TO BE USED

SL.	Type of material	Approved makes/Brands
01.	Cement (OPC/PPC/PSC)	ACC / Ultratech / Nuvoco / Birla/Ramco
02.	Internal & External Paint and	Asian paint/Nerolac/JSW paints
03.	Water proofing compound	Fosroc/Sika/Pidilite/BASF
04.	White cement	J.K.White/Birla white/Ultratech/Wonder
05.	Reinforcement steel	TATA/SAIL/SHYAM/JSPL/JSW
06.	Structural steel	TISCON/SAIL/RINL/JSPL/JSW/APL APOLLO
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/Vetro
17.	Glazed/Ceramic Tiles	Kajaria/Varmora/Somany/Johnson/Nictco/ Qutone/Vetro
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/ Ramco 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



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

23.	Plastic Emulsion paint	Dulux/Nerolac/Asian Paints/ Berger
24.	Synthetic enamel paint	ICI Dulux/Kansai Nerolac/Asian Paints/ Berger
25.	Exterior emulsion paint	ICI Dulux (Weather shield)/Kansai Nerolac/ Asian Paints(Apex)/
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



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-L

1. Checklist for documents to be uploaded on
<https://eprocure.gov.in/eprocure/app>

Sl no.	Document	Reference
1.	Tender Documents (sign. With stamp on each page)	
2.	EMD deposit scan copy to be uploaded (has to submit the Demand draft / FDR physically at the office of SE (Civil) on or before the due date/extended date of submission of bid.)	
3.	Valid GST Registration Certificate	
4.	Permanent Account Number (PAN)	
5.	Completion Certificate along with relevant work order copy during last 07yrs from the last date of bid submission	
6.	ANNEXURE-,B,C,D,E, I, J (Financial turn over including CA certified statements) & K,L,M , N & O	

** Please upload necessary documents only.



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-M

Form of Performance guarantee / Bank guarantee bond

In consideration of IIT Bhubaneswar having offered to accept the terms and conditions of the proposed agreement betweenand.....(Hereinafter called “the said firm(s)” for the work(hereinafter called “the said agreement”) having agreed to production of an irrevocable Bank Guarantee for Rs.....(Rupees... only) as a security/guarantee from the firm(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We.....(hereinafter referred to as the “Bank”) hereby undertake to(indicate the name of the Bank) pay to IIT Bhubaneswar an amount not exceeding Rs (Rupeesonly) on demand by IIT Bhubaneswar.
2. We.....do hereby undertake to pay the amounts due and payable (indicate the name of the Bank) under this Guarantee without any demur, merely on a demand from IIT Bhubaneswar stating that the amount claimed is required to meet the recoveries due or likely to be due from the said firm(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs..... (Rupees... only).
3. We, the said Bank, further undertake to pay to IIT Bhubaneswar any money so demanded notwithstanding any dispute or disputes raised by the firm(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder, and the firm(s) shall have no claim against us for making such payment.
4. We.....further agree that the Guarantee herein contained shall (indicate the name of the Bank) remain in full force and effect during the period that would be taken for the performance of the said agreement, and it shall continue to be enforceable till all the dues of IIT Bhubaneswar under or by virtue of the said agreement have been fully paid, and its claims satisfied or discharged, or till the Engineer-in-charge, on behalf of IIT Bhubaneswar, certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said firm(s), and accordingly discharges this guarantee.
5. We.....further agree with IIT Bhubaneswar that IIT Bhubaneswar (Indicate the name of the Bank) shall have the fullest liberty without our consent, and without effecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said agreement or to extend time of performance by the said firm(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by IIT Bhubaneswar against the said firm(s), and to forbear or enforce any of the terms and conditions relating to the said agreement, and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said firm(s) or for any forbearance, act of omission on the part of IIT Bhubaneswar or any indulgence by IIT Bhubaneswar to the said firm(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Guarantee will not be discharged due to the change in the constitution of the Bank or the firm(s).



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

1. We..... lastly undertake not to revoke this Guarantee except with
(indicate the name of the Bank) the previous consent of IIT Bhubaneswar in writing.

2. This Guarantee shall be valid up tounless extended on demand by IIT Bhubaneswar.

Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to
Rs..... (Rupees only), and unless a claim in writing is lodged with us within six months
of the date of expiry or extended date of expiry of this Guarantee all our liabilities under this
Guarantee shall stand discharged.

Dated theday of..... For
(Indicate the name of the Bank)



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

Annexure-N

Validate

Print

Help

Percentage BoQ

Tender Inviting Authority: Superintending Engineer(Civil)

Name of Work: Development of the area and Landscaping at Chintan Chhaya at IIT Bhubaneswar.

Contract No: IITBBS/SE/Engg.section/14/2026-27

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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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

1	Earth work DSR-2023, Item No.2.6.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge. All kind of soil	1473.31	Cum	172.71	254455.37	Two Hundred Fifty Four Thousand Four Hundred Fifty Five & point Thirty Seven Only
2	DSR-2023, Item No.2.7.1 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. Ordinary rock.	64.13	Cum	485.43	31130.63	Thirty One Thousand One Hundred Thirty & point Sixty Three Only
3	DSR-2023, Item No.2.7.3 Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.. Hard rock (blasting prohibited)	27.96	Cum	1394.26	38983.51	Thirty Eight Thousand Nine Hundred Eighty Three & point Fifty One Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

4	DSR-2023, Item No.2.25 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 and for all lift.	831.89	Cum	190.71	158649.74	One Hundred Fifty Eight Thousand Six Hundred Forty Nine & point Seventy Four Only
5	DSR-2023, Item No.2.25(a) Excavating, supplying, stacking and filling of local earth (including royalty)by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in foundation trenches, plinth, sides of foundation etc. complete for all lift.	281.28	Cum	681.59	191717.64	INR One Lakh Ninety One Thousand Seven Hundred Seventeen & Paise Sixty Four Only
6	DSR-2023, Item No.2.28.1 Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. All kinds of soil	263.52	Sqm	33.23	8756.77	Eight Thousand Seven Hundred Fifty Six & point Seventy Seven Only
7	DSR-2023, Item No.2.29.1 Ploughing the existing ground to a depth of 15 cm to 25 cm and watering the same. All kinds of soil	263.52	Sqm	33.67	8872.72	INR Eight Thousand Eight Hundred Seventy Two & Paise Seventy Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

8	DSR-2023, Item No.2.31 Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	6029.29	Sqm	17.12	103221.44	One Hundred Three Thousand Two Hundred Twenty One & point Forty Four Only
9	Concrete work DSR-2023, Item No.4.1.3 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)	26.37	Cum	7665.78	202146.62	INR Two Lakh Two Thousand One Hundred Forty Six & Paise Sixty Two Only
10	DSR-2023, Item No.4.1.4 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 40 mm nominal size derived from natural sources)	163.70	Cum	7570.23	1239246.65	INR Twelve Lakh Thirty Nine Thousand Two Hundred Forty Six & Paise Sixty Five Only
11	DSR-2023, Item No.4.3.1 Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	282.36	Sqm	381.56	107737.28	One Hundred Seven Thousand Seven Hundred Thirty Seven & point Twenty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

12	DSR-2023, Item No.4.3.2 Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and stringcourses fillets, kerbs and steps etc.	186.39	Sqm	819.75	152793.20	One Hundred Fifty Two Thousand Seven Hundred Ninety Three & point Twenty Only
13	DSR-2023, Item No.4.10 Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5 mm nominal size derived from natural sources)	17.99	Sqm	399.76	7191.68	Seven Thousand One Hundred Ninety One & point Sixty Eight Only
14	DSR-2023, Item No.4.12 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification	78.36	per bag of 50kg cement used	17.66	1383.84	One Thousand Three Hundred Eighty Three & point Eighty Four Only
15	DSR-2023, Item No.4.13 Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	17.99	Sqm	142.20	2558.18	Two Thousand Five Hundred Fifty Eight & point Eighteen Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

16	DSR-2023, Item No.4.17 Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth	33.78	Sqm	729.07	24627.98	Twenty Four Thousand Six Hundred Twenty Seven & point Ninety Eight Only
17	Reinforcement cement concrete DSR-2023, Item No.5.9.1 Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	215.27	Sqm	381.56	82138.42	Eighty Two Thousand One Hundred Thirty Eight & point Forty Two Only
18	DSR-2023, Item No.5.9.2 Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	282.09	Sqm	819.75	231243.28	Two Hundred Thirty One Thousand Two Hundred Forty Three & point Twenty Eight Only
19	DSR-2023, Item No.5.9.3 Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	251.92	Sqm	902.21	227284.74	Two Hundred Twenty Seven Thousand Two Hundred Eighty Four & point Seventy Four Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

20	DSR-2023, Item No.5.9.5 Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	397.17	Sqm	716.52	284580.25	Two Hundred Eighty Four Thousand Five Hundred Eighty & point Twenty Five Only
21	DSR-2023, Item No.5.9.6 Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	342.39	Sqm	935.34	320251.06	Three Hundred Twenty Thousand Two Hundred Fifty One & point Zero Six Only
22	DSR-2023, Item No.5.9.16.1 Edges of slabs and breaks in floors and walls Under 20 cm wide	562.03	Mtr	202.92	114047.13	One Hundred Fourteen Thousand Forty Seven & point Thirteen Only
23	DSR-2023, Item No.5.9.20 Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	14.53	Sqm	1000.63	14539.15	Fourteen Thousand Five Hundred Thirty Nine & point Fifteen Only
24	DSR-2023, Item No.5.22.6 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.	16520.43	Kg	104.94	1733653.92	One Million Seven Hundred Thirty Three Thousand Six Hundred Fifty Three & point Ninety Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

25	DSR-2023, Item No.5.22A.6 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	8632.90	Kg	104.94	905936.53	Nine Hundred Five Thousand Nine Hundred Thirty Six & point Fifty Three Only
26	DSR-2023, Item No.5.33.1.2 Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level Concrete of M30 grade with minimum cement content of 350 kg /cum	162.33	Cum	9395	1525090.35	One Million Five Hundred Twenty Five Thousand Ninety & point Thirty Five Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

27	DSR-2023, Item No.5.33.2.2 Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level Concrete of M30 grade with minimum cement content of 350 kg /cum	80.85	Cum	9741.04	787563.08	Seven Hundred Eighty Seven Thousand Five Hundred Sixty Three & point Zero Eight Only
28	DSR-2023, Item No.5.35 Add for using extra cement in the items of design mix over and above the specified cement content therein.	72.49	Qntl	713.7	51736.11	Fifty One Thousand Seven Hundred Thirty Six & point Eleven Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

29	Masonry work DSR-2023, Item No.6.1.1 Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	124.77	Cum	7171.64	894805.52	Eight Hundred Ninety Four Thousand Eight Hundred Five & point Fifty Two Only
30	DSR-2023, Item No.6.15 Extra for providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	104.39	Sqm	101.97	10644.65	Ten Thousand Six Hundred Forty Four & point Sixty Five Only
31	DSR-2023, Item No.6.26.2 Exposed Brick wall work with common burnt clay selected F.P.S. (non modular) bricks of class designation 7.5 in exposed brick work including making horizontal and vertical grooves 10 mm wide 12 mm deep complete in cement mortar 1:6 (1 cement : 6 coarse sand) Above plinth level upto floor V level	61.07	Cum	9184.88	560920.62	Five Hundred Sixty Thousand Nine Hundred Twenty & point Sixty Two Only
32	DSR-2023, Item No.6.34.1 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 V level in : Cement mortar 1:4 (1 cement : 4 coarse sand)	20.87	Cum	8720.37	181994.12	One Hundred Eighty One Thousand Nine Hundred Ninety Four & point Twelve Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

33	DSR-2023, Item No.6.36.1 Brick work with modular extruded brunt fly ash clay sewer bricks (Conforming to IS: 4885) in cement mortar 1:4 (1 cement : 4 coarse sand) in foundation and plinth : Cement Mortar 1:4 (1 cement : 4 coarse sand)	12.21	Cum	7003.41	85511.64	Eighty Five Thousand Five Hundred Eleven & point Sixty Four Only
34	DSR-2023, Item No.6.45.1 Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS :12894, in super structure above plinth upto floor V level. Cement mortar 1 : 3 (1 cement : 3 coarse sand)	193.20	Sqm	1101.92	212890.94	Two Hundred Twelve Thousand Eight Hundred Ninety & point Ninety Four Only
35	Stone work DSR-2023, Item No.7.1.1 Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	152.57	Cum	7311.25	1115477.41	One Million One Hundred Fifteen Thousand Four Hundred Seventy Seven & point Forty One Only
36	DSR-2023, Item No.7.2.1 Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mmnominal size) at window sills, ceiling level and the like. Cement mortar 1:6 (1 cement : 6 coarse sand)	172.18	Cum	9275.45	1597046.98	One Million Five Hundred Ninety Seven Thousand Forty Six & point Ninety Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

37	DSR-2023, Item No.7.5 Extra for random rubble masonry with hard stone curved on plan for a mean radius not exceeding 6 m.	324.77	Cum	1046.2	339774.37	Three Hundred Thirty Nine Thousand Seven Hundred Seventy Four & point Thirty Seven Only
38	Cladding Work DSR-2023, Item No.8.2.2.1 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 to edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red Area of slab upto 0.50 sqm	1.61	Sqm	5267.34	8480.42	Eight Thousand Four Hundred Eighty & point Forty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

39	Cladding Work DSR-2023, Item No.8.2.2.2 Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and pre polished, 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 to edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red Area of slab over 0.50 sqm	13.55	Sqm	4997.62	67717.75	Sixty Seven Thousand Seven Hundred Seventeen & point Seventy Five Only
40	DSR-2023, Item No.8.3.2 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	12.90	Mtr	497.15	6413.24	Six Thousand Four Hundred Thirteen & point Twenty Four Only
41	DSR-2023, Item No.8.4 Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	12.90	Mtr	553.2	7136.28	Seven Thousand One Hundred Thirty Six & point Twenty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

42	DSR-2023, Item No.8.5 Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	8.00	Each	952.28	7618.24	Seven Thousand Six Hundred Eighteen & point Twenty Four Only
43	DSR-2023, Item No.8.31 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	64.80	Sqm	1233.72	79945.06	Seventy Nine Thousand Nine Hundred Forty Five & point Zero Six Only
44	Wood and PVC Work DSR-2023, Item No.9.72.1 Providing and fixing bright finished brass butt hinges with necessary screws etc. complete : 125x85x5.5 mm (heavy type)	40.00	Each	261.40	10456.00	Ten Thousand Four Hundred Fifty Six & point Zero Only
45	DSR-2023, Item No.9.74.1 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10 mm	24.00	Each	429.68	10312.32	Ten Thousand Three Hundred Twelve & point Thirty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

46	DSR-2023, Item No.9.75.1 Providing and fixing bright finished brass door latch with necessary screws etc. complete : 300x16x5 mm	12.00	Each	313.50	3762.00	Three Thousand Seven Hundred Sixty Two & point Zero Only
47	DSR-2023, Item No.9.76 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	12.00	Each	831.57	9978.84	Nine Thousand Nine Hundred Seventy Eight & point Eighty Four Only
48	DSR-2023, Item No.9.82 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	12.00	Each	118.37	1420.44	One Thousand Four Hundred Twenty & point Forty Four Only
49	DSR-2023, Item No.9.84 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.	12.00	Each	956.60	11479.20	Eleven Thousand Four Hundred Seventy Nine & point Twenty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

50	DSR-2023, Item No.9.121 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. Doorframe laminate shall be 2 mm thick and shall be filled with suitable wooden block in all 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.	61.20	Mtr	555.53	33998.44	Thirty Three Thousand Nine Hundred Ninety Eight & point Forty Four Only
51	DSR-2023, Item No.9.122.2 Providing and fixing 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 3mm 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, cast monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge.	22.68	Sqm	4367.75	99060.57	Ninety Nine Thousand Sixty & point Fifty Seven Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

52	DSR-2023, Item No.9.147.C2.1 Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, UPVC extruded glazing beads, interlocks and Inline sash adaptor (whereever required) of appropriate dimension, EPDM gasket, hardware, SS304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a	2.88	Sqm	8908.01	25655.07	Twenty Five Thousand Six Hundred Fifty Five & point Zero Seven Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

53	Steel Work DSR-2023, Item No.10.16.1 Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	20701.26	Kg	189.15	3915643.33	Three Million Nine Hundred Fifteen Thousand Six Hundred Forty Three & point Thirty Three Only
54	DSR-2023, Item No.10.26.3 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. G.I. pipes	17719.22	Kg	197.57	3500786.30	Three Million Five Hundred Thousand Seven Hundred Eighty Six & point Thirty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

55	Flooring Work DSR-2023, Item No.11.23.3 Marble stone flooring with 18 mm thick marble stone, as per sample of marble approved by Engineer-in-charge, over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry, including rubbing and polishing complete with : Agaria White	233.08	Sqm	3079.35	717734.90	Seven Hundred Seventeen Thousand Seven Hundred Thirty Four & point Ninety Only
56	DSR-2023, Item No.11.24 Extra for pre finished nosing to treads of steps of marble stone.	281.41	Mtr	700.46	197116.45	One Hundred Ninety Seven Thousand One Hundred Sixteen & point Forty Five Only
57	DSR-2023, Item No.11.26.1 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) : 25mm thick	460.37	Sqm	1895.65	872700.39	Eight Hundred Seventy Two Thousand Seven Hundred & point Thirty Nine Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

58	DSR-2023, Item No.11.27 Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	114.95	Sqm	2291.12	263364.24	Two Hundred Sixty Three Thousand Three Hundred Sixty Four & point Twenty Four Only
59	DSR-2023, Item No.11.40 Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick 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 pigments etc., complete.	16.93	Sqm	1400.54	23711.14	Twenty Three Thousand Seven Hundred Eleven & point Fourteen Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

60	DSR-2023, Item No.11.41.2 Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	139.72	Sqm	1511.51	211188.18	Two Hundred Eleven Thousand One Hundred Eighty Eight & point Eighteen Only
61	DSR-2023, Item No.11.43 Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3 mm thickness.	156.65	Sqm	732.91	114810.35	One Hundred Fourteen Thousand Eight Hundred Ten & point Thirty Five Only
62	Roofing DSR-2023, Item No.12.8 Providing reinforced by organic fibres and/or inorganic synthetic fibres cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8 mm dia.G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses),including cutting sheets to size and shape wherever required.	100.44	Sqm	521.92	52421.64	Fifty Two Thousand Four Hundred Twenty One & point Sixty Four Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

63	DSR-2023, Item No.12.9 Extra for straight cutting in reinforced by organic fibres and/or inorganic synthetic fibres cement corrugated, semi corrugated 6 mm thick sheet roofing for making openings of area exceeding 40 square decimeter for chimney stacks, skylights etc.	36.00	Mtr	90.44	3255.84	Three Thousand Two Hundred Fifty Five & point Eighty Four Only
64	Finishing DSR-2023, Item No.13.4.1 12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	747.32	Sqm	347.70	259843.16	Two Hundred Fifty Nine Thousand Eight Hundred Forty Three & point Sixteen Only
65	DSR-2023, Item No.13.5.1 15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)	208.78	Sqm	400.63	83643.53	Eighty Three Thousand Six Hundred Forty Three & point Fifty Three Only
66	DSR-2023, Item No.13.17 6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams. Neat cement punning	750.17	Sqm	385.94	289520.61	Two Hundred Eighty Nine Thousand Five Hundred Twenty & point Sixty One Only
67	DSR-2023, Item No.13.18 Neat cement punning	27.64	Sqm	77.79	2150.12	Two Thousand One Hundred Fifty & point Twelve Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

68	DSR-2023, Item No.13.26 Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	967.05	Sqm	255.61	247187.65	Two Hundred Forty Seven Thousand One Hundred Eighty Seven & point Sixty Five Only
69	DSR-2023, Item No.13.31.1 Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand): Flush / Ruled/ Struck or weathered pointing	514.86	Sqm	250.40	128920.94	One Hundred Twenty Eight Thousand Nine Hundred Twenty & point Ninety Four Only
70	DSR-2023, Item No.13.31.2 Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand): Raised and cut pointing	514.75	Sqm	408.56	210306.26	Two Hundred Ten Thousand Three Hundred Six & point Twenty Six Only
71	DSR-2023, Item No.13.32.1 Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing	212.39	Sqm	374.99	79644.13	Seventy Nine Thousand Six Hundred Forty Four & point Thirteen Only
72	DSR-2023, Item No.13.32.2 Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Raised and cut pointing	212.39	Sqm	682.12	144875.47	One Hundred Forty Four Thousand Eight Hundred Seventy Five & point Forty Seven Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

73	DSR-2023, Item No.13.41.1 Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour : New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	501.21	Sqm	180.64	90538.57	Ninety Thousand Five Hundred Thirty Eight & point Fifty Seven Only
74	DSR-2023, Item No.13.47.1 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 primer applied @ 0.90 litre/10 sqm)	1029.38	Sqm	166.48	171371.18	One Hundred Seventy One Thousand Three Hundred Seventy One & point Eighteen Only
75	Sanitary Installation DSR-2023, Item No.17.3.1 Providing and fixing white vitreous china pedestal type water closet(European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :	8.00	Each	7790.42	62323.36	Sixty Two Thousand Three Hundred Twenty Three & point Thirty Six Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

76	DSR-2023, Item No.17.5.1 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern	3.00	Each	11745.81	35237.43	Thirty Five Thousand Two Hundred Thirty Seven & point Forty Three Only
77	DSR-2023, Item No.17.5.2 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Range of two half stall urinals with 5 litre P.V.C. automatic flushing cistern	4.00	Each	17522.51	70090.04	Seventy Thousand Ninety & point Zero Four Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

78	DSR-2023, Item No.17.7.1 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	8.00	Each	2577.33	20618.64	Twenty Thousand Six Hundred Eighteen & point Sixty Four Only
79	DSR-2023, Item No.17.16A Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	8.00	Each	339.72	2717.76	Two Thousand Seven Hundred Seventeen & point Seventy Six Only
80	DSR-2023, Item No.17.22 Providing and fixing G.I. inlet connection for flush pipe connecting with W.C. pan.	8.00	Each	138.99	1111.92	One Thousand One Hundred Eleven & point Ninety Two Only
81	DSR-2023, Item No.17.22A Providing and fixing CP Brass 32 mm size Bottle Trap of approved quality& make and as per the direction of Engineer-in-charge.	8.00	Each	1006.86	8054.88	Eight Thousand Fifty Four & point Eighty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

82	DSR-2023, Item No.17.23 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	7.00	Each	1604.43	11231.01	Eleven Thousand Two Hundred Thirty One & point Zero One Only
83	DSR-2023, Item No.17.31 Providing and fixing 600x450 mm beveled edge mirror of superior glass(of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	4.00	Each	1564.54	6258.16	Six Thousand Two Hundred Fifty Eight & point Sixteen Only
84	DSR-2023, Item No.17.71 Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	10.00	Each	163.8	1638.00	One Thousand Six Hundred Thirty Eight & point Zero Only
85	DSR-2023, Item No.17.69.1 Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	8.00	Each	112.19	897.52	Eight Hundred Ninety Seven & point Fifty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

86	DSR-2023, Item No.17.70.1 Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	8.00	Each	357.19	2857.52	Two Thousand Eight Hundred Fifty Seven & point Fifty Two Only
87	Water supply DSR-2023, Item No.18.7.2 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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 CPVC Pipe	40.00	Mtr	325.96	13038.40	Thirteen Thousand Thirty Eight & point Forty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

88	DSR-2023, Item No.18.7.3 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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. 25 mm CPVC Pipe	50.00	Mtr	390.71	19535.50	Nineteen Thousand Five Hundred Thirty Five & point Fifty Only
89	DSR-2023, Item No.18.7.4 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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. 32 mm CPVC Pipe	20.00	Mtr	504.74	10094.80	Ten Thousand Ninety Four & point Eighty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

90	DSR-2023, Item No.18.7.5 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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. 40 mm CPVC External Pipe	15.00	Mtr	683.97	10259.55	Ten Thousand Two Hundred Fifty Nine & point Fifty Five Only
91	DSR-2023, Item No.18.7.6 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and 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. 50 mm CPVC External Pipe	15.00	Mtr	908.93	13633.95	Thirteen Thousand Six Hundred Thirty Three & point Ninety Five Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

92	DSR-2023, Item No.18.9.8 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. CPVC 80 mm nominal dia Pipes	15.00	Mtr	2107.86	31617.90	Thirty One Thousand Six Hundred Seventeen & point Ninety Only
93	DSR-2023, Item No.18.9.9 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. CPVC 100 mm nominal dia Pipes	20.00	Mtr	3183.36	63667.20	Sixty Three Thousand Six Hundred Sixty Seven & point Twenty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

94	DSR-2023, Item No.18.9.10 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. CPVC 150 mm nominal dia Pipes	14.00	Mtr	2107.86	29510.04	Twenty Nine Thousand Five Hundred Ten & point Zero Four Only
95	DSR-2023, Item No.18.15.1 Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	6.00	Each	343.71	2062.26	Two Thousand Sixty Two & point Twenty Six Only
96	DSR-2023, Item No.18.16.1 Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	8.00	Each	343.71	2749.68	Two Thousand Seven Hundred Forty Nine & point Sixty Eight Only
97	DSR-2023, Item No.18.17.1A Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm nominal bore	4.00	Each	525.37	2101.48	Two Thousand One Hundred One & point Forty Eight Only
98	DSR-2023, Item No.18.18.2 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore	12.00	Each	450.01	5400.12	Five Thousand Four Hundred & point Twelve Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

99	DSR-2023, Item No.18.18.2 Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :	2.00	Each	450.01	900.02	Nine Hundred & point Zero Two Only
100	DSR-2023, Item No.18.19.6.1 Providing and fixing gun metal non- return valve of approved quality(screwed end) :80mm nominal bore Horizontal	2.00	Each	3565.80	7131.60	Seven Thousand One Hundred Thirty One & point Sixty Only
101	DSR-2023, Item No.18.21.2.1 Providing and fixing Up plasticised PVC connection pipe with brass unions : 45 cm length with 15 mm nominal bore	12.00	Each	95.11	1141.32	One Thousand One Hundred Forty One & point Thirty Two Only
102	DSR-2023, Item No.18.33.1 Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I.surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:1.5:3 mix (1 cement : 1.5coarse sand : 3 graded stone aggregate 20 mm nominal size), including necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand: 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design. With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	4.00	Each	10569.12	42276.48	Forty Two Thousand Two Hundred Seventy Six & point Forty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

103	DSR-2023, Item No.18.48 Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fittings and the base support for tank.	1000.00	Ltr	10.7	10700.00	Ten Thousand Seven Hundred & point Zero Only
104	DSR-2023, Item No.18.52.1 Providing and fixing 15mm C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.	8.00	Each	652.35	5218.80	Five Thousand Two Hundred Eighteen & point Eighty Only
105	DSR-2023, Item No.18.53.1 Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15 mm nominal bore	12.00	Each	558.79	6705.48	Six Thousand Seven Hundred Five & point Forty Eight Only
106	DSR-2023, Item No.18.58.1.1 Providing and fixing PTMT grating of approved quality and colour. Circular type 100mm Dia	12.00	Each	36.58	438.96	Four Hundred Thirty Eight & point Ninety Six Only
107	Drainage DSR-2023, Item No.19.1.2 Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :150 mm diameter	4.00	Mtr	677.01	2708.04	Two Thousand Seven Hundred Eight & point Zero Four Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

108	DSR-2023, Item No.19.3.5 Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand :10 graded stone aggregate 40 mm nominal size) up to haunches of S.W.pipes 300mm Dia including bed concrete as per standard design :300 mm diameter S.W. pipe	10.00	Mtr	1141.67	11416.70	Eleven Thousand Four Hundred Sixteen & point Seventy Only
109	DSR-2023, Item No.19.4.1.1 Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	8.00	Each	2634.54	21076.32	Twenty One Thousand Seventy Six & point Thirty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

110	DSR-2023, Item No.19.7.1.1 Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size),foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :Inside size 90x80 cm and 45 cm deep including C.I.cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : With common burnt clay F.P.S. (non modular)bricks of class designation 7.5	2.00	Each	12425.75	24851.50	Twenty Four Thousand Eight Hundred Fifty One & point Fifty Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

111	DSR-2023, Item No.19.16 Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 63 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 20x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	10.00	Each	538.75	5387.50	Five Thousand Three Hundred Eighty Seven & point Fifty Only
112	DSR-2023, Item No.19.19.1.1 Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality L D- 2.5 Rectangular shape 600x450 mm internal dimensions	2.00	Each	1398.83	2797.66	Two Thousand Seven Hundred Ninety Seven & point Sixty Six Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

113	DSR-2023, Item No.19.22.1 Providing sand cast iron drop connection externally for 60 cm drop from branch sewer line to main sewer manhole including in section and cleaning eye with chain and lid, sand cast iron drop pipe and bend encased all-round with cement concrete 1:5:10 (1 cement : 5 fine sand :10 graded stone aggregate 40 mm nominal size) with all centering and shuttering required, cutting holes in walls and making good with brickwork in cement mortar 1:4 (1 cement : 4 coarse sand) plastered with cement mortar 1:3 (1 cement : 3 coarse sand) on inside of the man hole wall, lead caulked joints between sand cast iron pipes and fittings, stiff cement mortar 1:1 (1 cement : 1 fine sand) joints between sand cast iron tee and S.W. pipe, making required channels complete as per standard design and specifications : 100 mm dia sand cast iron drop connection	2.00	Each	11843.4	23686.80	Twenty Three Thousand Six Hundred Eighty Six & point Eighty Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

114	DSR-2023, Item No.19.30.1.1 Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with floating coat of neat cement on walls and bed concrete etc. complete as per standard design: Inside dimensions 455x610 mm and 45 cm deep for single pipe line. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each	6750.58	13501.16	Thirteen Thousand Five Hundred One & point Sixteen Only
115	DSR-2023, Item No.19.30.2.1 Inside dimensions 500x700 mm and 45 cm deep for pipeline with one or two inlets With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each	7930.44	15860.88	Fifteen Thousand Eight Hundred Sixty & point Eighty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

116	DSR-2023, Item No.19.32 Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8m long With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 complete as per standard design.	1.00	Each	26136.63	26136.63	Twenty Six Thousand One Hundred Thirty Six & point Sixty Three Only
117	Water proofing DSR-2023, Item No.22.5 Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with waterproofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with waterproofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	64.93	Sqm	600.39	38983.32	Thirty Eight Thousand Nine Hundred Eighty Three & point Thirty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

118	DSR-2023, Item No.22.22A Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index(SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineering-Charge.	161.45	Sqm	547.9	88458.46	Eighty Eight Thousand Four Hundred Fifty Eight & point Forty Six Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

119	DSR-2023, Item No.22.23.1 for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative(internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage. For vertical surface two coats @ 0.70 kg per sqm per coat	169.58	Sqm	460.13	78028.85	Seventy Eight Thousand Twenty Eight & point Eighty Five Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

120	Rain Water Harvesting & Tube wells DSR-2023, Item No.23.1.1.1 Boring/drilling bore well of required dia for casing/strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. All types of soil 300mm dia	36.00	Mtr	688.64	24791.04	Twenty Four Thousand Seven Hundred Ninety One & point Zero Four Only
121	DSR-2023, Item No.23.3.2 Supplying, assembling, lowering and fixing in vertical position in borewell, unplasticized PVC medium well casing (CM) pipe of required dia,conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. 150 mm nominal size dia	36.00	Mtr	771.83	27785.88	Twenty Seven Thousand Seven Hundred Eighty Five & point Eighty Eight Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

122	New Technologies and Materials DSR-2023, Item No.26.51 Supplying of standard quality GFRG panel of 124 mm thickness with modular cavities purchased from GFRG panel manufacturing plant in the country, cut to required wall sizes and floor/ roof slab sizes in correct length and height, including cutting of door, window and ventilator opening as per the cutting drawing prepared by architects /design engineers for the construction of GFRG building and loaded in stillages for transportation to the construction site. Cost of panel includes security deposits, hire charges of stillages & jaws, cost of transportation in trucks/lorries without any damages upto 300 km including all leads and lifts from GFRG manufacturing plant to construction site and unloading at site using suitable fork lift/ crane. (Payment shall be made on the basis of area of one side of panel without reduction of opening of door/ window/ ventilator). For transportation above 300 km, additional charges to be paid.	192.16	Sqm	1437.41	276212.71	Two Hundred Seventy Six Thousand Two Hundred Twelve & point Seventy One Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

123	DSR-2023, Item No.26.52 Erection of GFRG Panels in walls in all floors using suitable crane as per instructions of Engineer-in-Charge, as per cutting drawings and structural drawings, in perfect line and plumb, above RCC plinth beam/GFRG panel below and provide necessary lateral/ slanting support to keep the wall panel in safe position, providing & tying of Reinforcement as per structural drawings and applying a coat of water repellent coating Zycosil/equivalent or equivalent product (1 Zycosil/equivalent compound:10 water) to saturation level over RCC plinth beam to provide waterproofing treatment to joint between wall panel & plinth beam as per the guide lines / instruction by the engineer in charge. (Cost of reinforcement, water proofing of walls and plinth beam/GFRG panel below joints and installation of door/window frames before filling of concrete shall be paid separately). The rate quoted shall include making provision for laying of lintels, beams, sunshades, staircase beams, lofts, plumbing work, electrical conduits and any structural insertion etc., as per the drawing and direction of the engineer in charge. The payment shall be made based on the actual exposed area (one side only) of the panel. The work shall be carried out as per the Special Conditions for Glass Fibre Reinforced Gypsum (GFRG) Structures mentioned in NIT. Note: i) When cutting panel, "A" side is to be for outside or external surface of respective external wall and B side is to be for internal surface of wallii) Erection of panel is to be with reference to both building plan & cutting drawing by following notational mark indicated in the cutting drawing as well as notional mark written on each panel cut as per cutting drawing	192.18	Sqm	283.25	54434.99	Fifty Four Thousand Four Hundred Thirty Four & point Ninety Nine Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

124	DSR-2023, Item No.26.53 Filling of empty cavities (as shown in the structural design drawing) with quarry dust mixed with 5% cement (by volume). After initial infill of 50 mm thick with M25 concrete at base/bottom of cavities to seal off, infill wall panel cavities in 3 stages as detailed below,(i) 1st pour / infill to be limited to 0.3 to 0.50 m height from bottom of the panel.(ii) 2nd Pour/ infill: infilling shall be done only after 90 minutes interval between successive pours. The maximum height of infill shall be restricted to 1.5 m height or up to the top level of door / window.(iii) 3rd pour/infill: After an interval of 90 minutes of second pour, infill or pour the balance height up to the bottom of embedded RCC tie beam. Pour enough water just required to dampen the dry mix enough to form cake form after each stage.(cost of laying M25 concrete shall be paid separately)(If any rain falls in between any stages of concrete pour, make sure to cover the panel top to prevent ingress of water or water falling into the cavities. In case of water collection over the concrete inside the panel, drill 10 mm hole in GFRG panel immediately above concrete filled level to drain out water before pour/in-fill of balance concreting)	29.07	Cum	2533.98	73662.80	Seventy Three Thousand Six Hundred Sixty Two & point Eighty Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

125	DSR-2023, Item No.26.56 Application of ZMB 60/equivalent solution (100 Kg ZMB 60/equivalent, 1litre ZMB Nano Thinner, 20 litre water & 1 Litre Zycoprime/equivalent =122 litre/kg) over already applied coat of Zycosil/equivalent & Zycoprime/equivalent solution on the top of all the RCC plinth beams by brush/spraycoat before erection of GFRG over RCC plinth beams in GF. In the case of upper floors 150 mm wide on floor slab for all the external walls, bath/toilet/wet areas (3 hrs drying time) before erection of wall panel on upper floors including erection of parapet wall.	108.61	Sqm	361.23	39233.19	Thirty Nine Thousand Two Hundred Thirty Three & point Nineteen Only
126	DSR-2023, Item No.26.57 After erection of GFRG wall panels, seal all GFRG wall joints with paper tape temporarily. Water proofing treatment of vertical joints with Zycosil/equivalent water proofing Solution (1 litre of Zycosil/equivalent & 20 litres of water stirred first & 2 litres of Zycoprime/equivalent added and stirred(total 23 litres)) with 50 ml syringe till the gap and in filled concrete is completely saturated. After removing the paper seal, seal off the vertical joints with water proofing material "Grout RW/equivalent" (Sealing cost excluded.)	60.72	Mtr	89.95	5461.76	Five Thousand Four Hundred Sixty One & point Seventy Six Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

127	DSR-2023, Item No.26.59 Water proofing treatment of Vertical joints (of external side and internal side) between door frame, window & ventilator frames (on all four sides)of outer wall over the Zycosil/equivalent & Zycoprime/equivalent solution already applied (before the installation of door / window / ventilator frames in position) and fine finish with Grout RW/equivalent.	60.72	Mtr	48.60	2950.99	Two Thousand Nine Hundred Fifty & point Ninety Nine Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

128	DSR-2023, Item No.26.89.1 Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of Kvalue 58-60 (Suspension Grade), calcium carbonate and natural fibers(wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm², modulus of elasticity 850 N/mm² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.Sscrews shall be paid separately) 18mm thick	206.39	Sqm	2912.09	601026.26	Six Hundred One Thousand Twenty Six & point Twenty Six Only
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भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

129	Non schedule items Providing and laying landscape gravel path comprising preparation and dressing of ground, providing and laying 150 mm thick compacted granular sub-base/WMM, and providing and spreading 40–50 mm thick selected decorative marbel chips large size above 4mm white & black, of approved colour, size and quality, including loading, unloading, transportation, spreading, levelling, watering, compaction and finishing complete as per the design, specifications and direction of Engineer-in-Charge.	770.08	Sqm	807.6	621916.61	Six Hundred Twenty One Thousand Nine Hundred Sixteen & point Sixty One Only
130	Non schedule items Providing & fixing of synthetic thatch leaf texture and three- dimensional shape with added durability and for retardant. ONETHATCH PALM or equivalent or palmex brand synthetic leaf thatching product can be applied to various roofing structure like Horizontal Batten, vertical Batten, plywood deck, Concrete roof. ONETHATCH PALM or equivalent or palmex synthetic thatching application on any slope roof with pitch of 20 degree or greater. and fixing over rafter with fastener 3mm x 40mm stainless steel screw.	443.34	Sqm	8993.3	3987089.62	Three Million Nine Hundred Eighty Seven Thousand Eighty Nine & point Sixty Two Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

131	Non schedule items Providing & Fixing ONETHATCH® or equivalent bamboo poles shall be of approved colour and varying diameters ranging from 55 mm to 200 mm, fixed over the fabricated MS steel pipe structural framework using clamps, brackets, fasteners, screws, and all other necessary fixing accessories. The poles shall be installed in the architectural pattern and spacing as per approved drawings/3D views and as directed by the Engineer-in-Charge. Bamboo Pole outer dia 55mm, 4.5mm Thickness	8937.90	Mtr	595.9	5326094.61	Five Million Three Hundred Twenty Six Thousand Ninety Four & point Sixty One Only
132	Non schedule items Providing & Fixing ONETHATCH® or equivalent bamboo poles shall be of approved colour and varying diameters ranging from 55 mm to 200 mm, fixed over the fabricated MS steel pipe structural framework using clamps, brackets, fasteners, screws, and all other necessary fixing accessories. The poles shall be installed in the architectural pattern and spacing as per approved drawings/3D views and as directed by the Engineer-in-Charge. Bamboo Pole outer dia 75mm, 4.5mm Thickness	4534.76	Mtr	834.3	3783350.27	Three Million Seven Hundred Eighty Three Thousand Three Hundred Fifty & point Twenty Seven Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

133	Non schedule items Providing & Fixing ONETHATCH® or equivalent bamboo poles shall be of approved colour and varying diameters ranging from 55 mm to 200 mm, fixed over the fabricated MS steel pipe structural framework using clamps, brackets, fasteners, screws, and all other necessary fixing accessories. The poles shall be installed in the architectural pattern and spacing as per approved drawings/3D views and as directed by the Engineer-in-Charge. Bamboo Pole outer dia 100mm, 5.0mm Thickness	575.00	Mtr	1132.2	651015.00	Six Hundred Fifty One Thousand Fifteen & point Zero Only
134	Non schedule items Providing & Fixing ONETHATCH® or equivalent bamboo poles shall be of approved colour and varying diameters ranging from 55 mm to 200 mm, fixed over the fabricated MS steel pipe structural framework using clamps, brackets, fasteners, screws, and all other necessary fixing accessories. The poles shall be installed in the architectural pattern and spacing as per approved drawings/3D views and as directed by the Engineer-in-Charge. Bamboo Pole outer dia 150mm, 6.0mm Thickness	158.42	Mtr	1728.1	273765.60	Two Hundred Seventy Three Thousand Seven Hundred Sixty Five & point Sixty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

135	Horticulture work DSR-2025, Item No.2.4.3 Supplying and stacking at site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 4.75 mm	194.96	Cum	491.65	95852.08	Ninety Five Thousand Eight Hundred Fifty Two & point Zero Eight Only
136	DSR-2025, Item No.2.5 Rough dressing the trenched ground including breaking clods.	3374.48	Sqm	2.30	7761.30	Seven Thousand Seven Hundred Sixty One & point Thirty Only
137	DSR-2025, Item No.2.6 Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation.	3374.48	Sqm	7.45	25139.88	Twenty Five Thousand One Hundred Thirty Nine & point Eighty Eight Only
138	DSR-2025, Item No.2.9 Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	194.96	Cum	55.70	10859.27	Ten Thousand Eight Hundred Fifty Nine & point Twenty Seven Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
Indian Institute of Technology Bhubaneswar

139	DSR-2025, Item No.2.14.1 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) Holes 1.2 m dia and 1.2 m deep	20.00	Nos.	362.75	7255.00	Seven Thousand Two Hundred Fifty Five & point Zero Only
140	DSR-2025, Item No.2.14.2 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) Holes 90 cm dia, and 90 cm deep	278.00	Nos.	155.50	43229.00	Forty Three Thousand Two Hundred Twenty Nine & point Zero Only



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Indian Institute of Technology Bhubaneswar

141	DSR-2025, Item No.2.14.3 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) Holes 60 cm dia, and 60 cm deep	389.00	Nos.	47.85	18613.65	Eighteen Thousand Six Hundred Thirteen & point Sixty Five Only
142	DSR-2025, Item No.2.14.4 Digging holes in ordinary soil and refilling the same with the excavated earth mixed with manure or sludge in the ratio of 2:1 by volume (2 parts of stacked volume of earth after reduction by 20% : 1 part of stacked volume of manure after reduction by 8%) flooding with water, dressing including removal of rubbish and surplus earth, if any, with all leads and lifts (cost of manure, sludge or extra good earth if needed to be paid for separately) Holes 45 cm dia, and 45 cm deep.	444.00	Nos.	20.65	9168.60	Nine Thousand One Hundred Sixty Eight & point Sixty Only
143	DSR-2025, Item No.2.20 Filling mixture of earth and sludge or manure in the desired proportion in trenches, flooding with water and leveling (cost of supplying earth and sludge or manure and mixing excluded).	283.84	Cum	27.85	7904.94	Seven Thousand Nine Hundred Four & point Ninety Four Only



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144	DSR-2025, Item No.2.25 Supplying and stacking of well decayed cattle manure at site including royalty and carriage upto 05 k.m. lead complete (Cattle manure measured in stacks will reduced by 8% for Payment).	85.16	Cum	667.10	56810.24	Fifty Six Thousand Eight Hundred Ten & point Twenty Four Only
145	DSR-2025, Item No.2.33 Providing and laying Neelgiri/Mexican grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden (Dhurmos) and than rolling the surface with light roller make the surface smoothen and light, watering with sprinkler and maintenance for 30 days or more till the grass establish properly as per direction of officer-in-charge.	1637.76	Sqm	257.00	420904.32	Four Hundred Twenty Thousand Nine Hundred Four & point Thirty Two Only
146	DSR-2025, Item No.2.34 Providing & laying of Selection no. 1 Doob grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same and maintenance for 30 days or more till the grass establish properly, as per direction of the officer-in-charge.	1736.72	Sqm	113.70	197465.06	One Hundred Ninety Seven Thousand Four Hundred Sixty Five & point Zero Six Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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147	DSR-2025, Item No.2.53 Providing and watering of irrigation water through water tanker for Horticulture features i.e. lawn, tree, shrubs, hedge/edge, ground cover etc. at the site of work. Water tanker having 5000 ltr. capacity with one labour for watering i/c cost of water, filling of tanker, watering at site with all leads and lifts as per direction of officer-in-charge.	20.00	Trip	1303.40	26068.00	Twenty Six Thousand Sixty Eight & point Zero Only
148	DSR-2025, Item No.2.54 Anti termite treatment by digging holes 300mm deep and 40 mm dia, 6 to 7 holes around the tree using chemical emulsion at the rate of 1.5 liter per hole in two time or more application to get the trees free from termite infection chemicals used Chlorpyriphos 20% EC in the ratio of 1% concentration and as per direction of officer-in-charge.	1130.00	Each Tree	70.25	79382.50	Seventy Nine Thousand Three Hundred Eighty Two & point Fifty Only
149	DSR-2025, Item No.2.55 Providing and applying anti termite treatment of infected trees i/c all branches/leaves by spraying chemical emulsion 0.5% (Chlorpyriphos 20% EC) concentration, through power spray machine (@ 100 ml Chlorpyriphos per tree i/c cost of chemical) and as per direction of officer-in-charge.	1130.00	Each Tree	84.60	95598.00	Ninety Five Thousand Five Hundred Ninety Eight & point Zero Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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150	Foliage and Shade Loving Plants DSR-2025, Item No.3.16 Providing, stacking and Displaying Areca palm having ht. 1.50 m to 1.80 m with 6 to 8 suckers, well developed, fresh and healthy with lush green foliage in 25 cm size of Earthen pot / Plastic pot and as per direction of the officer-in-charge.	5.00	Nos.	215.90	1079.50	One Thousand Seventy Nine & point Fifty Only
151	DSR-2025, Item No.3.22 Providing, stacking and Displaying Croton Challenger variety having ht. 30 cm and above, well developed with full of fresh and healthy leaves in 20 cm size of Earthen pot / Plastic pot and as per direction of the officer-in-charge.	65.00	Nos.	49.35	3207.75	Three Thousand Two Hundred Seven & point Seventy Five Only
152	DSR-2025, Item No.3.23 Providing, stacking and Displaying Croton baby golden variety having ht. 30 cm and above, well developed with full of fresh and healthy leaves in 20 cm size of Earthen pot / Plastic pot and as per direction of the officer-in-charge.	65.00	Nos.	44.40	2886.00	Two Thousand Eight Hundred Eighty Six & point Zero Only
153	DSR-2025, Item No.3.27 Providing, stacking and Displaying Croton Golden (Broad Leaves) having ht. 60 cm to 75 cm with 3 to 4 branches, well developed, fresh and healthy leaves in 25 cm size of Earthen pot / Plastic pot and as per direction of the officer-in-charge.	65.00	Nos.	61.70	4010.50	Four Thousand Ten & point Fifty Only



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154	DSR-2025, Item No.3.29 Providing, stacking and Displaying Croton Duck Foot (Elite) having ht. 45 cm and above with 3 to 4 branches, well developed, fresh and healthy leaves in 25 cm size of Earthen pot /Plastic pot and as per direction of the officer-in-charge.	65.00	Nos.	117.20	7618.00	Seven Thousand Six Hundred Eighteen & point Zero Only
155	DSR-2025, Item No.3.67 Providing, stacking and Displaying Phoenix Palm having ht. 75 cm to 90 cm with 10 to 15 leaves, well developed, fresh and healthy in 25 cm size of Earthen pot / Plastic pot and as per direction of the officer-in-charge.	5.00	Nos.	234.40	1172.00	One Thousand One Hundred Seventy Two & point Zero Only
156	Seasonal Plants DSR-2025, Item No.4.89 Providing, stacking and Displaying Canna dwarf of height 25 to 30 cm., 2 to 3 suckers in 20 cm Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	25.00	Nos.	39.50	987.50	Nine Hundred Eighty Seven & point Fifty Only
157	Ornamental Plants DSR-2025, Item No.5.1 Providing, stacking and Displaying Acalypha Different colour well developed, fresh & healthy with good foliage, multi branch 30 cm to 45 cm ht. plant in 20 cm size of Earthen Pot/Plastic Pot and as per direction of the officer-in-charge.	65.00	Nos.	39.50	2567.50	Two Thousand Five Hundred Sixty Seven & point Fifty Only



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर
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158	DSR-2025, Item No.5.11 Providing, stacking and Displaying Bismarckia Palm 115 cm to 180 cm ht. plant, well developed 12 and above good color fresh and healthy leaves in 40 cm Cement Pot/ Plastic Pot and as per direction of the officer-in- charge.	85.00	Nos.	2140.65	181955.25	One Hundred Eighty One Thousand Nine Hundred Fifty Five & point Twenty Five Only
159	DSR-2025, Item No.5.14 Providing, stacking and Displaying Cycus revoluta in 35 cm challi, specimen plant, having 30 to 40 with fresh and healthy, leaves having 25 cm to 30 cm circumfrance of base stem well developed and as per direction of the officer-in-charge.	85.00	Nos.	1295.50	110117.50	One Hundred Ten Thousand One Hundred Seventeen & point Fifty Only
160	DSR-2025, Item No.5.29 Providing, stacking and Displaying Fishtail palm well developed with fresh & healthy foliage leaves of ht 210 cm to 240 cm Specimen plant in 35 cm Cement Pot/ Plastic Pot and as per direction of the officer-in-charge.	5.00	Nos.	333.15	1665.75	One Thousand Six Hundred Sixty Five & point Seventy Five Only
161	DSR-2025, Item No.5.30 Providing, stacking and Displaying Foxtail palm well developed with fresh & healthy foliage of ht. plant 210 cm to 240 cm in 40 cm Cement Pot/ Plastic Pot and as per direction of the officer-in-charge.	5.00	Nos.	1295.50	6477.50	Six Thousand Four Hundred Seventy Seven & point Fifty Only
162	DSR-2025, Item No.5.66 Providing, stacking and Displaying Pedilanthus variegated having 30 cm and above ht., well developed multisuckers with fresh & healthy foliage in 25 cm Earthen Pot/Plastic	65.00	Nos.	77.75	5053.75	Five Thousand Fifty Three & point Seventy Five Only

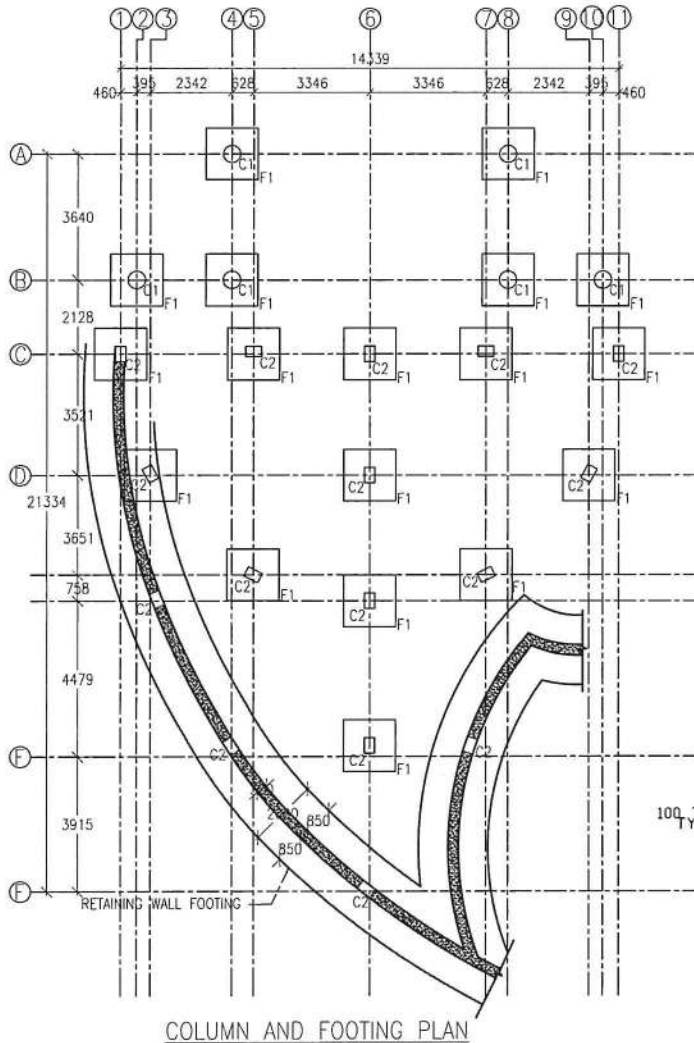


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163	Ground Covers Plants DSR-2025, Item No.6.20 Providing and stacking Alternanthera species of height 15 cm to 20 cm, full of branches and foliage in 15 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	175.00	Nos.	21.65	3788.75	Three Thousand Seven Hundred Eighty Eight & point Seventy Five Only
164	DSR-2025, Item No.6.11 Providing and stacking Dianella variegated, with 3 to 4 variegated leaves in 20 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	175.00	Nos.	33.70	5897.50	Five Thousand Eight Hundred Ninety Seven & point Fifty Only
165	DSR-2025, Item No.6.12 Providing and stacking Duranta Golden, having ht. 15 cm to 20 cm bushy shape with fresh and healthy leaves in 15 cm size of Earthen Pot / Plastic Pot and as per direction of the officer-in-charge.	175.00	Nos.	22.85	3998.75	Three Thousand Nine Hundred Ninety Eight & point Seventy Five Only
Total in Figures					43822172.04	INR Four Crore Thirty Eight Lakh Twenty Two Thousand One Hundred Seventy Two & Paise Zero Four Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				

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GENERAL ARRANGEMENT PLAN

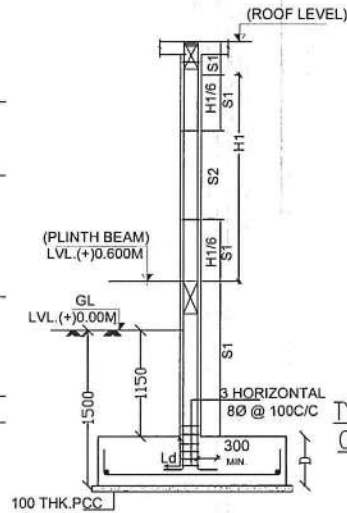
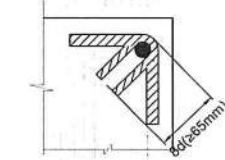


COLUMN AND FOOTING PLAN

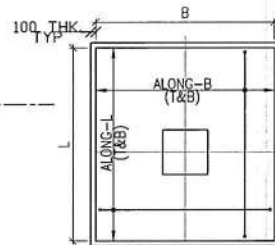
FOOTING SCHEDULE

FOOTING MKD.	SIZE			REINFORCEMENT	
	L	B	D	ALONG-L BOTTOM	ALONG-B BOTTOM
F1	1500	1500	400	10@150C/C	10@150C/C

TYPICAL HOOK DETAIL



TYPICAL SECTION OF ISOLATED FOOTING WITH COLUMN



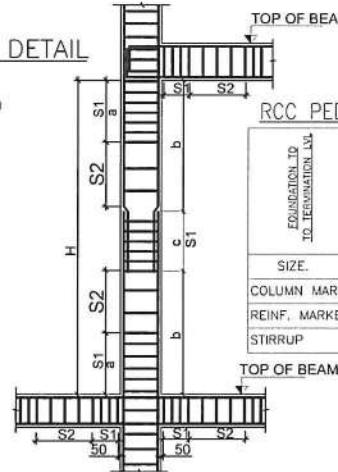
TYP. PLAN OF ISOLATED FOOTING

COLUMN SCHEDULE

FOUNDATION LVL TO TERMINATION LVL	M30 : Fe500, COVER = 40MM	
	LINKS	
	S1	T8 @ 100
	S2	T8 @ 150

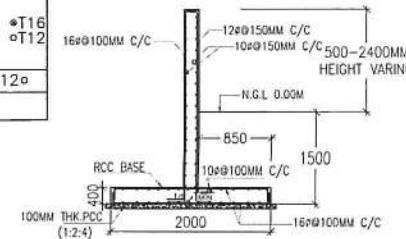
4-16 + 6-T12	C2
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TYPICAL DETAIL FOR SPlicing OF COLUMN REINFORCEMENT BARS



RCC PEDESTAL SCHEDULE:

FOUNDATION LVL TO TERMINATION LVL	
SIZE	500
COLUMN MARKING	C1
REINF. MARKED	12NOS. 12
STIRRUP	8@150C/C



TYP. C-S OF RETAINING WALL

Annexure-0

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE ANY DIMENSION. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. ALL R.C.C. SHALL BE MIX M-30 U.N.O.
4. ALL REINFORCEMENT SHALL BE IN FORM OF H.Y.S.D. STEEL BARS OF GRADE Fe 500.
5. CLEAR COVER TO REINF. INCLUDING LINKS FOR R.C.C. MEMBERS SHALL BE AS UNDER-BEAM = 30mm, SLAB = 25 mm.
6. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.

REVISION NO.	DESCRIPTION
RO	ISSUED FOR APPROVAL

CLIENT:

IIT BHUBANESWAR

CONSULTANTS:

VASTUKAR
ARCHITECTS, PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

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Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752001

PROJECT TITLE:-

CHINTAN CHHAYA

BUILDING TITLE:

TOILET BLOCK

DRAWING TITLE:

COLUMN & FOOTING LAYOUT &
REINFORCEMENT DETAILS

NAME	SIGN	DATE	JOB No : BBSR/2025-26/27/1276		
DSGN		15/07/26	SCALE	SIZE	REV
DRWN	MM	15/07/26			
CHKD	KH	15/07/26			
APPD	SM	15/07/26			

DRAWING No.

G2C/BBSR/1276/STR/01

RELEASED FOR:

☐ PRELIMINARY ☒ TENDER ☐ APPROVAL ☐ INFORMATION ☐ CONSTRUCTION

Diagram illustrating the reinforcement details for a beam-column joint. The diagram shows the placement of top bars, stirrups, and ties. Key labels include: END COLUMN, 0.25L1 EXTRA AT SUPPORT, 50MM MAX., TOP BAR, 0.25L1, TIES AS PER SCHEDULE, 0.25L2, STIRRUPS, #50, X1 upto 2d, X2, L1, L2, and dimensions like 1d+10dφ and 50mm.

Figure 10 consists of two diagrams, (a) and (b), illustrating reinforcement details. Diagram (a) shows a column cross-section with reinforcement bars labeled: TOP CONT. BARS, TOP EXTRA BARS, BOTTOM CONT. BARS, and a $\phi 25$ mm SPACER BAR. A circled 'X1' is located near the bottom left corner. Diagram (b) shows a beam cross-section with reinforcement bars labeled: TOP CONT. BARS and BOTTOM CONT. BARS. A circled 'X2' is located near the bottom left corner.

AT MIDSPAN

PLINTH BEAM SCHEDULE

	MAIN BARS CONTINUE				EXTRA BARS		STIRRUPS		STIRRUPS	
	B	D	TOP BARS	BOTTOM BARS	EXTRA AT TOP SUPPORT	EXTRA BOTTOM AT MID SPAN	X1		X2	
							DIA	SPACING	DIA	SPACING
PB1	300	450	3/16 ϕ	3/16 ϕ	—	—	8 ϕ	100 C/C	8 ϕ	125 C/C
PB2	300	450	3/20 ϕ	3/20 ϕ	2/16 ϕ	—	8 ϕ	100 C/C	8 ϕ	125 C/C

3. ALL R.C.C. SHALL BE MIX M-30 U.N.O.
4. ALL REINFORCEMENT SHALL BE IN FORM OF H.Y.S.D. STEEL BARS OF GRADE Fe 500.
5. CLEAR COVER TO REINF. INCLUDING LINKS FOR R.C.C MEMBERS SHALL BE AS UNDER:- BEAM = 30mm, SLAB = 25 mm.
6. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.

CLIENT:  IIT BHUBANESWAR

VASTUKAR
ARCHITECTS. PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2



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CHINTAN CHHAYA

TOILET BLOCK

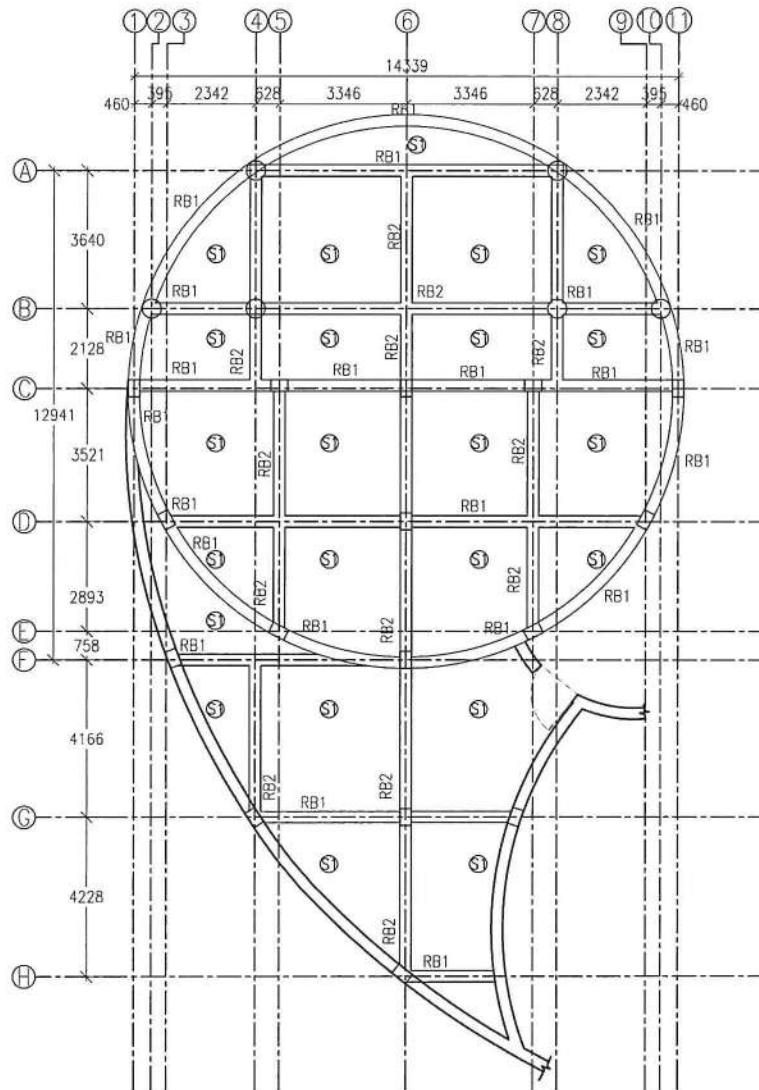
PLINTH BEAM LAYOUT & REINFORCEMENT DETAILS

	NAME	SIGN	DATE	JOB No : BBSR/2025-26/27/1276		
DSGN			15/07/26			
DRWN	MM		15/07/26			
CHKD	KH		15/07/26			
APPD	SM		15/07/26			
				SCALE	SIZE	REV
				N.T.S	A2	00

G2C/BBSR/1276/STR/02

☐ PRELIMINARY	☒ TENDER	☐ APPROVAL	☐ INFORMATION	☐ CONSTRUCTION
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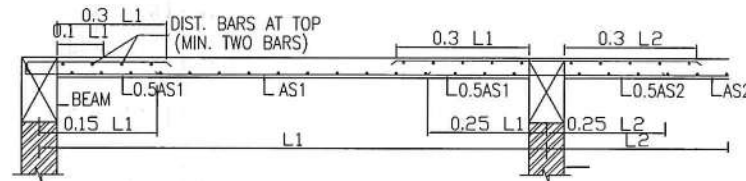
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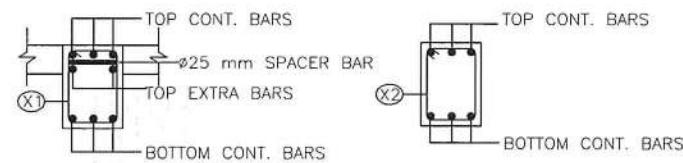
SLAB & BEAM PLAN AT ROOF LEVEL

ROOF BEAM SCHEDULE

	SIZE		MAIN BARS CONTINUE		EXTRA BARS		STIRRUPS		STIRRUPS	
	B	D	TOP BARS	BOTTOM BARS	EXTRA AT TOP SUPPORT	EXTRA BOTTOM AT MID SPAN	X1		X2	
							DIA	SPACING	DIA	SPACING
RB1	300	450	3/16 ϕ	3/16 ϕ	2/16 ϕ	2/12 ϕ	8 ϕ	100 C/C	8 ϕ	125 C/C
RB2	300	450	3/20 ϕ	3/20 ϕ	2/16 ϕ	2/12 ϕ	8 ϕ	100 C/C	8 ϕ	125 C/C



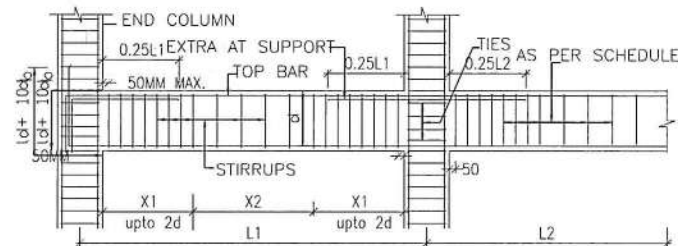
TYPICAL DETAIL OF SLAB REINFORCEMENT



AT SUPPORT

AT MIDSPAN

TYPICAL CROSS SECTION OF BEAM



TYPICAL DETAIL OF BEAM REINFORCEMENT

SCHEDULE OF RCC SLABS

SLABS	THK (IN mm)	BOTTOM REINFORCEMENT				TOP REINFORCEMENT			
		ALONG SHORT SPAN		ALONG LONG SPAN		ALONG SHORT SPAN		ALONG LONG SPAN	
		MID SPAN	EDGE	MID SPAN	EDGE	DISCONT. EDGE	CONTIN. EDGE	DISCONT. EDGE	CONTIN. EDGE
S1	150	8 ϕ @125	8 ϕ @250	8 ϕ @125	8 ϕ @250	8 ϕ @125	8 ϕ @125	8 ϕ @125	8 ϕ @125

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE ANY DIMENSION. ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. ALL R.C.C. SHALL BE MIX M-30 U.N.O.
4. ALL REINFORCEMENT SHALL BE IN FORM OF H.Y.S.D. STEEL BARS OF GRADE Fe 500.
5. CLEAR COVER TO REINF. INCLUDING LINKS FOR R.C.C. MEMBERS SHALL BE AS UNDER:- BEAM = 30mm, SLAB = 25 mm.
6. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.

REVISION NO.	DESCRIPTION
R0	ISSUED FOR APPROVAL

CLIENT:



IIT BHUBANESWAR

CONSULTANTS:



VASTUKAR
ARCHITECTS PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

DESIGN CONSULTANTS:



Railway | Highway | Bridges | Buildings |
Steel- Structures | Pre-Fab Structures |
[PT-Structures] | Survey |
Geotechnical | Supervision | Proof Check.
Contact: +91 8240666871
Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHHAYA

BUILDING TITLE:

TOILET BLOCK

DRAWING TITLE:

ROOF BEAM & SLAB LAYOUT &
REINFORCEMENT DETAILS

DSGN	NAME	SIGN	DATE	JOB No : BBSR/2025-26/27/1276		
DRWN	MM		15/07/26			
CHKD	KH		15/07/26	SCALE	SIZE	REV
APPD	SM		15/07/26	N.T.S	A2	00

DRAWING No.

G2C/BBSR/1276/STR/03

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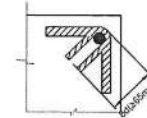
90

2

ANCHOR BOLT SCHEDULE					
SYMBOL	DIAMETER (mm)	H (mm)	h (mm)	B (mm)	TOTAL LENGTH=
	20	400	150	125	675

FOOTING MKD.	SIZE			REINFORCEMENT	
	L	B	D	ALONG-L BOTTOM	ALONG-B BOTTOM
F1	1800	1800	400	120@200C/C	120@200C/C

FOUNDATION TO TERMINATION LVL.	
	SIZE: (450-Ø)
	REINFORCEMENT: 8-16Ø ●
	SPACING (S1): 8Ø@100C/C(X)
	COL. MARKING: P1



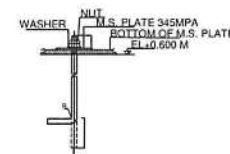
A cross-sectional diagram of a typical isolated footing. The footing is shown as a rectangular base with a width of 1000mm and a depth of 750mm. It is labeled '100mm THICK PCC' at the bottom. A vertical column is centered on the footing. The column has a diameter of 250mm. The footing is labeled 'TYPICAL SECTION OF ISOLATED FOOTING'. The column is labeled 'STIFFENER PLATE (10MM THICK)' at the top. The footing is labeled 'FLINTH BEAM' and '3 HORIZONTAL 80 @ 100/C' indicating the reinforcement. The footing is labeled 'Ld' indicating the development length. The footing is labeled 'GL (+0.00M)' indicating the ground level. The footing is labeled '1000' indicating the width. The footing is labeled '750' indicating the depth. The footing is labeled '100mm THICK PCC' indicating the base layer.

TYPICAL DETAIL FOR SPlicing OF COLUMN REINFORCEMENT BARS

**TYPICAL DETAIL FOR SPLICING OF
COLUMN REINFORCEMENT BARS**



**TYP. PLAN OF
ISOLATED FOOTING**



TYP. DETAIL OF ANCHOR BOLT

1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

2. ALL DIMENSION ARE TO BE VERIFIED AT SITE, DISCREPANCIES IF ANY SHOULD BE RECONCILED BEFORE FABRICATION.

3. STRUCTURAL STEEL SHOULD CONFORM TO IS-4923:1997.

4. ALL WELDS ARE 4MM FILLET WELDED AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.

5. ALL STRUCTURAL STEEL SHALL BE OF GRADE E355 & YST 310 MPa.

6. ALL RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.

7. ALL REINFORCING STEEL SHALL BE OF GRADE FE 500.

8. CLEAR COVER TO RCC MEMBERS SHALL FOOTING=50MM, PEDESTAL=40MM.

9. ALL BOLTS 4.6 GRADE HOT DIP GALVANIZED BOLTS.

10. NUTS 250MICRONS O/F/T/M SHALL BE ENSURED.

REVISION NO.	DESCRIPTION
R0	ISSUED FOR APPROVAL

CONSULTANT:-



28

DESIGN CONSULT

K&S
Design

Consu

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[illegible]

PROJECT TITLE:-

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CHINTAN CH

7. *Journal of the American Medical Association*, 2000; 284: 2689-2694.

BUILDING TITLE:

[illegible]

DRAWING TITLE:

FOOTING

FOOTING
by David Shields

	NAME	SIGN	
--	------	------	--

DSGN			17
------	--	--	----

DRWN	BPP	17
CHKD	KH	17

APPD	SM		17
------	----	--	----

DRAWING No.

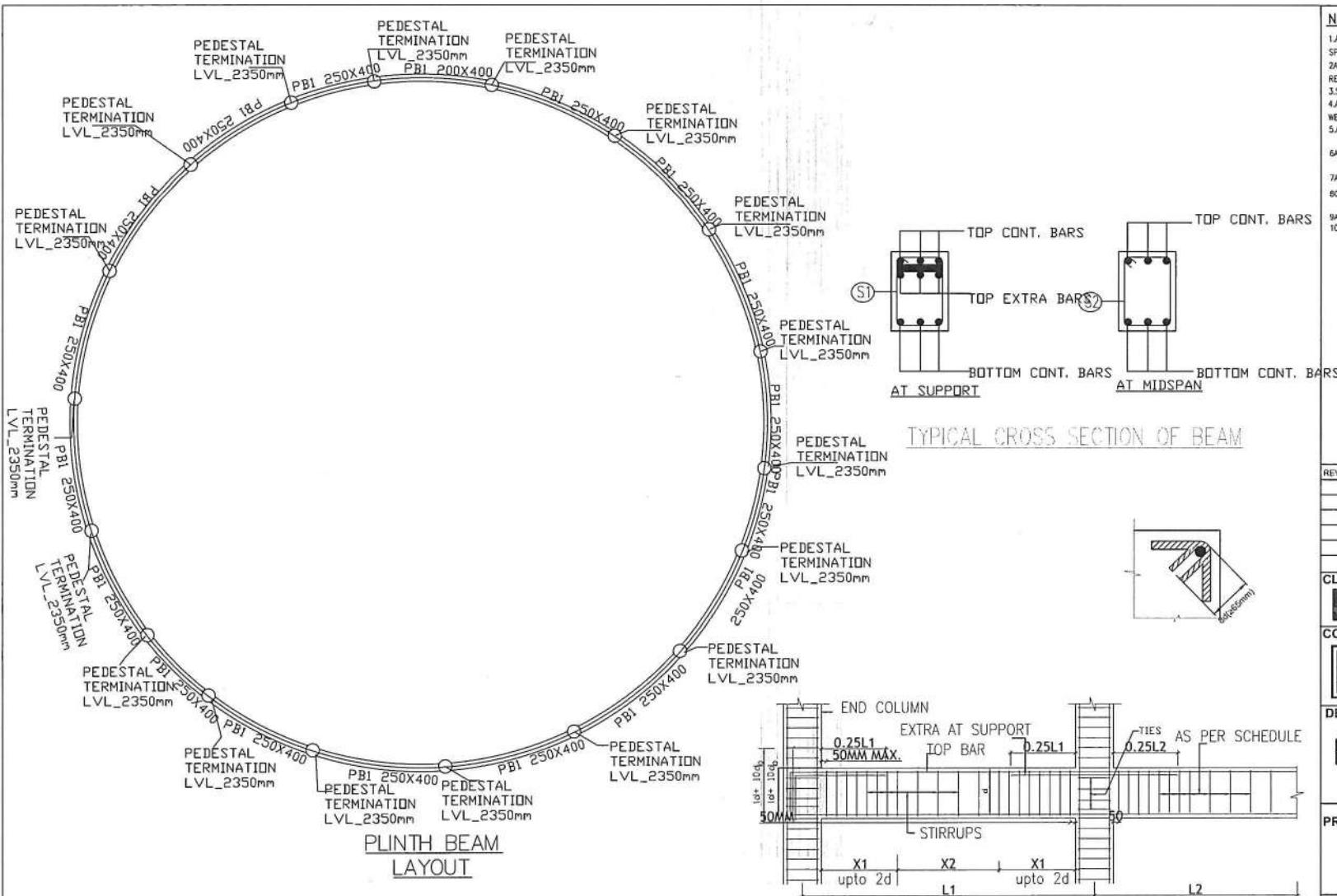
G2C/E

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2

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SCHEDULE OF PLINTH BEAMS

	SIZE		MAIN BARS CONTINUE.		EXTRA BARS		STIRRUPS			
	B	D	TOP BARS	BOTTOM BARS	EXTRA TOP AT SUPPORT	EXTRA BOTTOM AT MID SPAN	S1		S2	
							DIA	SPACING	DIA	SPACING
PBI	250	400	3 / 16#	3 / 16#	3 / 12#	—	8#	100C/C	8#	150 C/C

NOTES:

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3. STRUCTURAL STEEL SHOULD CONFORM TO IS-4923:1997.
4. ALL WELDS ARE 4MM FILLET WELDED AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.
5. ALL STRUCTURAL STEEL SHALL BE OF GRADE E355 & YST 310 MPa.
6. ALL RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.
7. ALL REINFORCING STEEL SHALL BE OF GRADE FE 500.
8. CLEAR COVER TO RCC MEMBERS SHALL BE 50MM, PEDESTAL=40MM.
9. ALL BOLTS 4.6 GRADE HOT DIP GALVANISED BOLTS. TOP PAINT 250MICRONS DFT(MIN) SHALL BE ENSURED.

REVISION NO.	DESCRIPTION
RO	ISSUED FOR APPROVAL

CLIENT:



I.I.T BHUNESHWAR

CONSULTANT:-



VASTUKAR
ARCHITECTS PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

DESIGN CONSULTANTS :



Railway | Highway | Bridges | Buildings |
Steel- Structures | Pre-Fab Structures |
PT-Structures | Survey |
Geotechnical | Supervision | Proof Check
Contact: +91 8249666871
Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHAYA AT IIT BHUBANESWAR

BUILDING TITLE:

DOMESTIC STRUCTURE

DRAWING TITLE:

PLINTH BEAM LAYOUT

NAME	SIGN	DATE	JOB No : BBSR/2025-26/27/1276		
DSGN		17/07/26	SCALE	SIZE	REV
DRWN	BPP	17/07/26			
CHKD	KH	17/07/26			
APPD	SM	17/07/26			

DRAWING No.

G2C/BBSR/1276/STR/03

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2

1

COLUMN TERMINATION LEVEL

102

REVISION NO	DESCRIPTION
RO	ISSUED FOR APPROVAL

 IIT BHUNESHWAR

VASTUKAR
ARCHITECTS, PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

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Bhubaneswar 752101

PROJECT TITLE:-
CHINTAN CHAYA AT IIT BHUBANESWAR

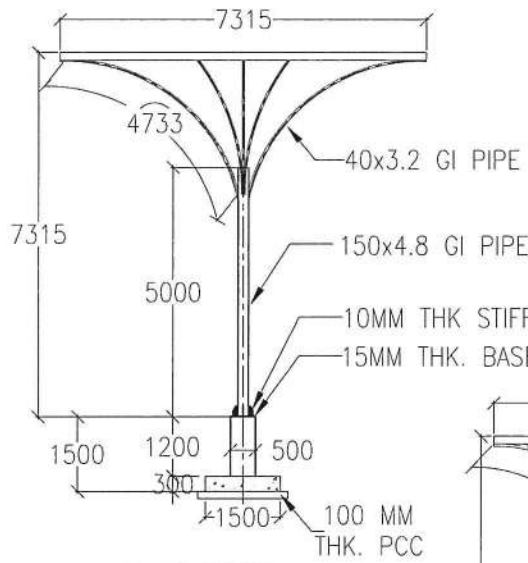
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DRAWING TITLE:	COLUMN TERMINATION LEVEL
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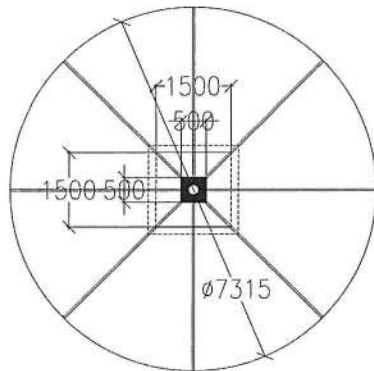
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DSGN			17/07/26			
DRWN	BPP		17/07/26			
CHKD	KH		17/07/26			
APPD	SM		17/07/26	SCALE N.T.S	SIZE A2	REV 00

APPD	SM		17/07/26	REVISED	A2	00
DRAWING No.						
G2C/BBSR/1276/STR/04						

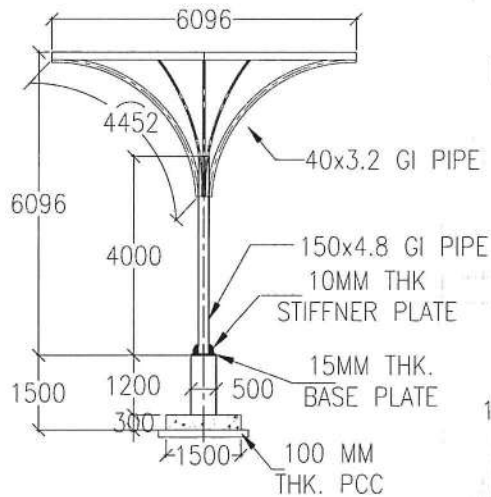
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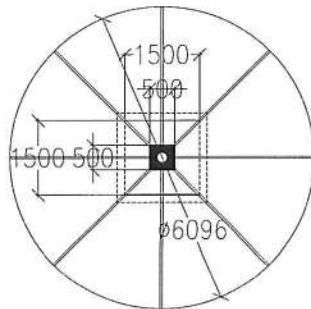
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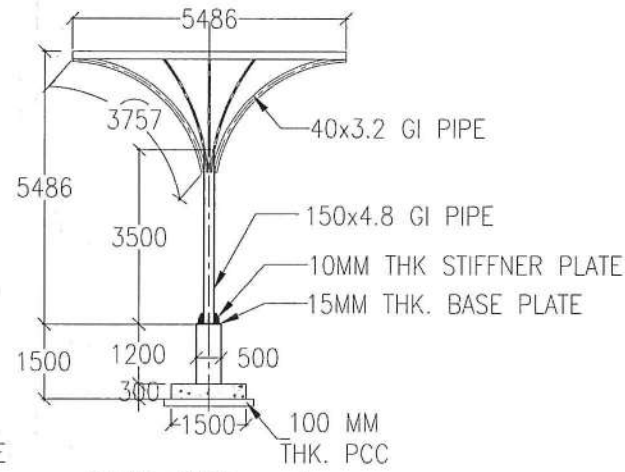
PLAN



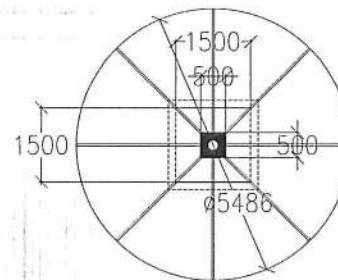
SHED TYPE - 2



PLAN



SHED TYPE - 2



PLAN

NOTES:

1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE ANY DIMENSION, ONLY FIGURED DIMENSIONS SHALL BE FOLLOWED.
3. ALL R.C.C. SHALL BE MIX M-30 U.N.O.
4. ALL REINFORCEMENT SHALL BE IN FORM OF H.Y.S.D. STEEL BARS OF GRADE Fe 500.
5. CLEAR COVER TO REINF. INCLUDING LINKS FOR R.C.C. MEMBERS SHALL BE AS UNDER:- BEAM = 30mm, SLAB = 25 mm.
6. STANDARD 'L' HOOKS SHALL BE PROVIDED AT THE ENDS OF ALL BARS.

REVISION NO.	DESCRIPTION
RO	ISSUED FOR APPROVAL

CLIENT:



IIT BHUBANESWAR

CONSULTANTS :



VASTUKAR
ARCHITECTS, PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
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Email: g2cd2chydsgn@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHHAYA

BUILDING TITLE:

MUSHROOM STRUCTURE

DRAWING TITLE:

**GENERAL ARRANGEMENT OF
MUSHROOM STRUCTURE**

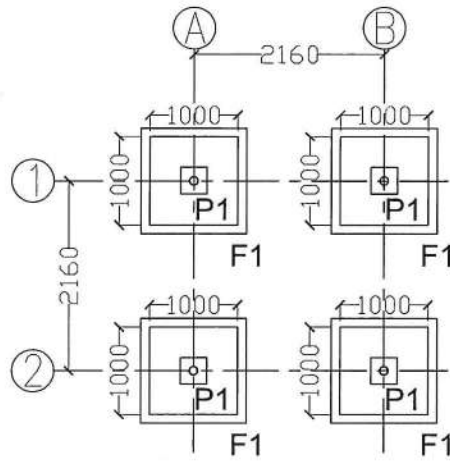
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DSGN		15/07/26				
DRWN/MM		15/07/26				
CHKD/KH		15/07/26				
APPD/SM		15/07/26		N.T.S	A2	00

DRAWING No.

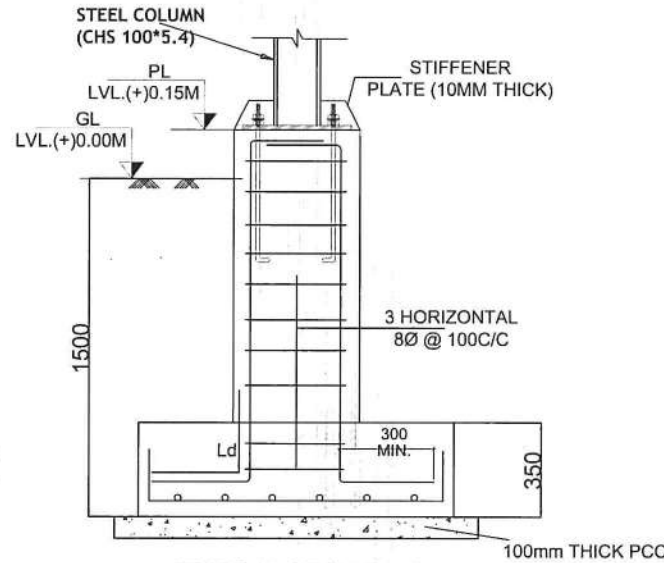
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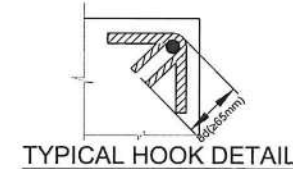
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FOOTING & PEDESTAL LAYOUT



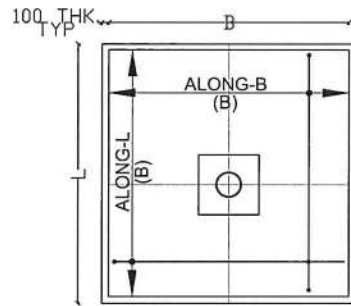
TYPICAL SECTION OF ISOLATED FOOTING



TYPICAL HOOK DETAIL

PEDESTAL SCHEDULE

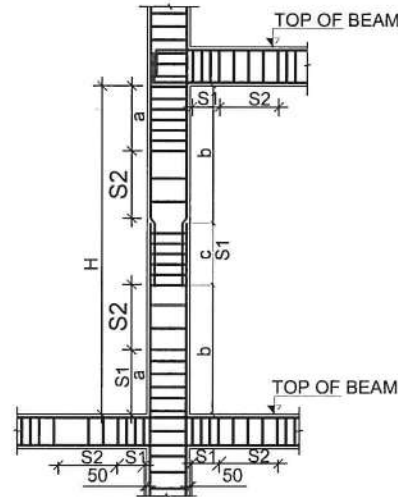
FOUNDATION TO FIRST FLOOR LVL.	300
SIZE.	(300X300)
REINFORCEMENT.	8-12Ø
SPACING (S1)	8Ø@100C/C(X)
COL. MARKING	P1



TYP. PLAN OF ISOLATED FOOTING

FOOTING SCHEDULE

FOOTING MKD.	SIZE			REINFORCEMENT	
	L	B	D	ALONG-L BOTTOM	ALONG-B BOTTOM
F1	1000	1000	350	12Ø@200C/C	12Ø@200C/C



TYPICAL DETAIL FOR SPLICING OF COLUMN REINFORCEMENT BARS

NOTES:

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS ARE TO BE VERIFIED AT SITE, DISCREPANCIES IF ANY SHOULD BE RECONCILED BEFORE FABRICATION.
3. STRUCTURAL STEEL SHOULD CONFORM TO IS-4923:1997.
4. ALL WELDS ARE 4MM FILLET WELDED AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.
5. ALL STRUCTURAL STEEL SHALL BE OF GRADE E355 & YST 310 MPa.
6. ALL RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.
7. ALL REINFORCING STEEL SHALL BE OF GRADE FE 500
8. CLEAR COVER TO RCC MEMBERS SHALL FOOTING-50MM, PEDESTAL -40MM,
9. ALL BOLTS 4.6 GRADE HOT DIP GALVANISED BOLTS
10. PAINT 250MICRONS DFT (MIN) SHALL BE ENSURED

REVISION NO.	DESCRIPTION
RO	ISSUED FOR APPROVAL

CLIENT:



IIT BHUBANESWAR

CONSULTANTS:



VASTUKAR
ARCHITECTS, PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

DESIGN CONSULTANTS:



G2C Design Consultants
Railway | Highway | Bridges | Buildings | Steel- Structures | Pre-Fab Structures | PT-Structures | Survey | Geotechnical | Supervision | Proof Check
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Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala, Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHAYA

BUILDING TITLE:

VIEWING DECK (STEEL SHED)

DRAWING TITLE:

FOUNDATION & PEDESTAL LAYOUT & REINFORCEMENT DETAILS

NAME	SIGN	DATE	JOB No	SCALE	SIZE	REV
DSGN		21/07/26	BBSR/2025-26/27/1276			
DRWNP		21/07/26				
CHKD KH		21/07/26				
APPD SM		21/07/26		N.T.S	A2	00

DRAWING No.

G2C/BBSR/1276/STR/01

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FOOTING & PEDESTAL LAYOUT

PEDESTAL SCHEDULE

FOUNDATION TO FIRST FLOOR LVL.	SIZE.
250	(250X250)
250	4-12Ø
	SPACING (S1) 8Ø@100C/C(X)
	COL.MARKING P1

FOOTING SCHEDULE

FOOTING MKD.	SIZE			REINFORCEMENT	
	L	B	D	ALONG-L BOTTOM	ALONG-B BOTTOM
F1	1000	1000	350	12Ø@200C/C	12Ø@200C/C

TYP. PLAN OF ISOLATED FOOTING

TYPICAL SECTION OF ISOLATED FOOTING

TYPICAL HOOK DETAIL

TYPICAL DETAIL FOR SPLICING OF COLUMN REINFORCEMENT BARS

NOTES:	
1.	ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2.	ALL DIMENSIONS ARE TO BE VERIFIED AT SITE, DISCREPANCIES IF ANY SHOULD BE RECONCILED BEFORE FABRICATION.
3.	STRUCTURAL STEEL SHOULD CONFORM TO IS-4923:1997.
4.	ALL WELDS ARE 4MM FILLET WELDED AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.
5.	ALL STRUCTURAL STEEL SHALL BE OF GRADE E355 & YST 310 MPa.
6.	RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.
7.	REINFORCING STEEL SHALL BE OF GRADE FE 500.
8.	CLEAR COVER TO RCC MEMBERS SHALL FOOTING=50MM, PEDESTAL=40MM.
9.	BOLTS 4.6 GRADE HOT DIP GALVANISED BOLTS.
10.	TOPPAINT 250MICRONS DFT(MIN) SHALL BE ENSURED.
KEY PLAN	
REVISION NO. DESCRIPTION	
RO ISSUED FOR APPROVAL	
CLIENT: IIT BHUBANEWSAR	
CONSULTANT:- VASTUKAR ARCHITECTS PROJECT CONSULTANT 2B 55 NAGESHWAR TANGI, BHUBANESWAR - 2	
DESIGN CONSULTANTS: G2C Design Consultants We design a better tomorrow	
PROJECT TITLE:- CHINTAN CHHAYA	
BUILDING TITLE: (TYPICAL FOOTPATH STRUCTURE)	
DRAWING TITLE: COLUMN & FOOTING LAYOUT & REINFORCEMENT DETAILS	
NAME	SIGN
DATE	JOB No :
DSGN	15/07/26
DRWN	BP
CHKD	15/07/26
APPD	15/07/26
SM	15/07/26
DRAWING No. G2C/BBSR/STR	
RELEASED FOR	
PRELIMINARY TENDER APPROVAL INFORMATION CONSTRUCTION	

1. ALL DIMENSIONS ARE IN METERS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

2. ALL DIMENSIONS ARE TO BE VERIFIED AT SITE, DISCREPANCIES IF ANY SHOULD BE RECONCILED BEFORE FABRICATION.

3. STRUCTURAL STEEL SHOULD CONFORM TO IS-4923:1997.

4. ALL WELDS ARE 4MM FILLET WELDED AND SHOULD CONFORM TO IS-816 & IRS WELDED BRIDGE CODE.

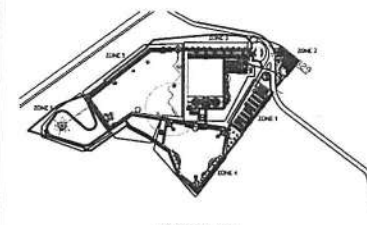
5. ALL STRUCTURAL STEEL SHALL BE OF GRADE E355 & YST 310 MPa.

6. ALL RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.

7. ALL REINFORCING STEEL SHALL BE OF GRADE FE 500.

8. CLEAR COVER TO RCC MEMBERS SHALL FOOTING=300MM, PEDESTAL=100MM.

9. ALL BOLTS 4.6 GRADE HOT DIP GALVANIZED BOLTS.
TENSILE 250MMPAS, DEPTANT 30MM SHALL BE SUPPLIED.



KEY PLAN

REVISION NO.	DESCRIPTION
R0	ISSUED FOR APPROVAL

CLIENT:

IIT BHUBANEWSAR

CONSULTANT:-



VASTUKAR
ARCHITECTS. PROJECT CONSULTANT
2855 NAGESHWAR TANGI,
BHUBANESWAR - 2

DESIGN CONSULTANTS :



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Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHHAYA

BUILDING TITLE:

(TYPICAL FOOTPATH STRUCTURE)

DRAWING TITLE:

COLUMN & FOOTING LAYOUT & REINFORCEMENT DETAILS

	NAME	SIGN	DATE	JOB No :		
DSGN			15/07/26			
DRWN	BP		15/07/26			
CHKD	KH		15/07/26	SCALE	SIZE	REV
APPD	SM		15/07/26	N.T.S	A2	00

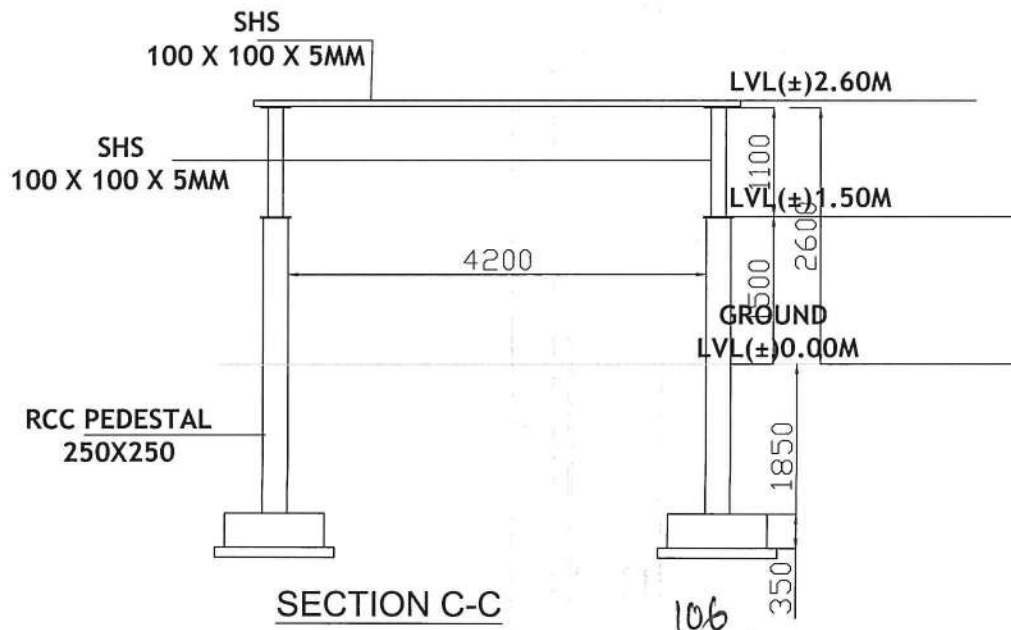
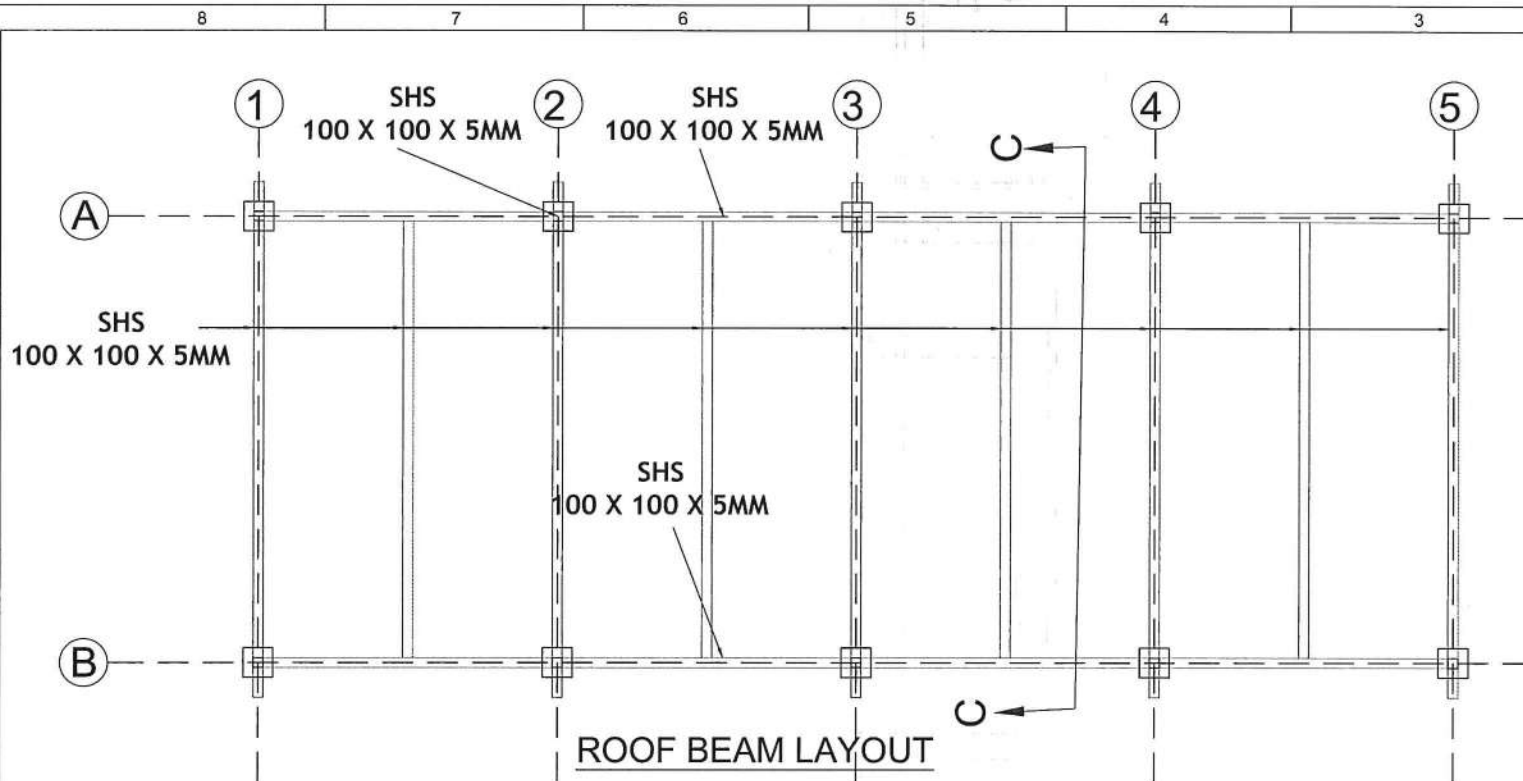
DATE	BY	CHKD
DRAWING No.		

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- ALL RCC WORKS SHOULD CONFORM TO IS 456 AND SHOULD BE OF M-30.
- ALL REINFORCING STEEL SHALL BE OF GRADE FE 500.
8. CLEAR COVER TO RCC MEMBERS SHALL BE: FOOTING=50MM, PEDESTAL=40MM.
- ALL BOLTS 4.6 GRADE HOT DIP GALVANISED BOLTS.
10. PAINT 250 MICRONS DFT(MIN) SHALL BE ENSURED.

REVISION NO.	DESCRIPTION
RO	ISSUED FOR APPROVAL

CLIENT:

IIT BHUBANEWSAR

CONSULTANT:-



VASTUKAR
ARCHITECTS, PROJECT CONSULTANT
2855, NAGESHWAR TANGI,
BHUBANESWAR - 2

DESIGN CONSULTANTS :



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Steel- Structures | Pre-Fab Structures |
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Email: garden2citydesign@gmail.com
1/702, Panchmukhi Oakwood, Atala,
Bhubaneswar 752101

PROJECT TITLE:-

CHINTAN CHHAYA

BUILDING TITLE:

(TYPICAL FOOTPATH STRUCTURE)

DRAWING TITLE:

ROOF BEAM LAYOUT

NAME	SIGN	DATE	JOB No :	SCALE	SIZE	REV
DSGN		15/07/26				
DRWN	BP	15/07/26				
CHKD	KH	15/07/26				
APPD	SM	15/07/26		N.T.S	A2	00

DRAWING No.

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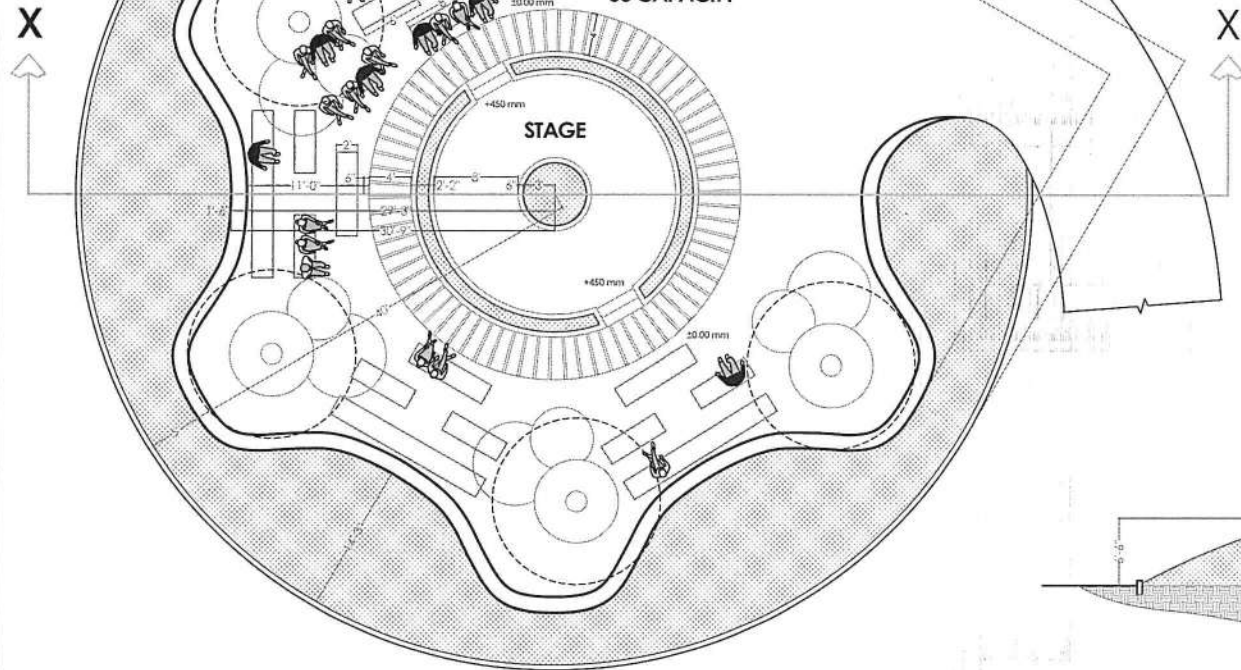
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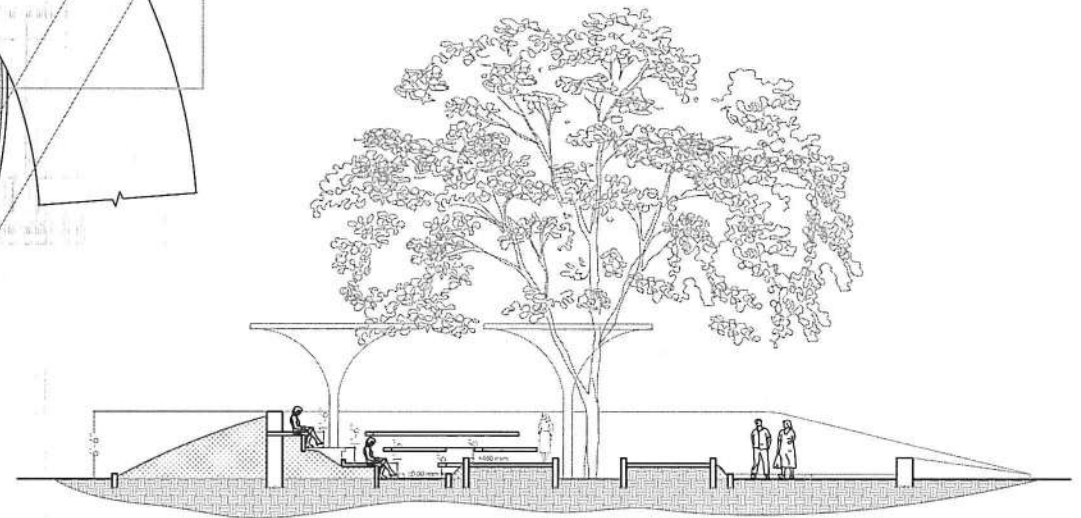


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--	--	--	--	-----------------------------	----------------	--	--

OLC 1



PLAN



SECTION X-X'

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BISHNU

REVISION NO.: 01

DATE :

31/07/2026

DWG NO:

IIT-B/CC/VAS/AR-02

REVISION DATE:

ARCHITECT:

S. S. RAY.

REGD.NO : CA / 10321 / B6

CLIENT:

108

CLIENT:

DRAWING TITLE :

IIT-B CHINTANA CHHAYA
OLC 1

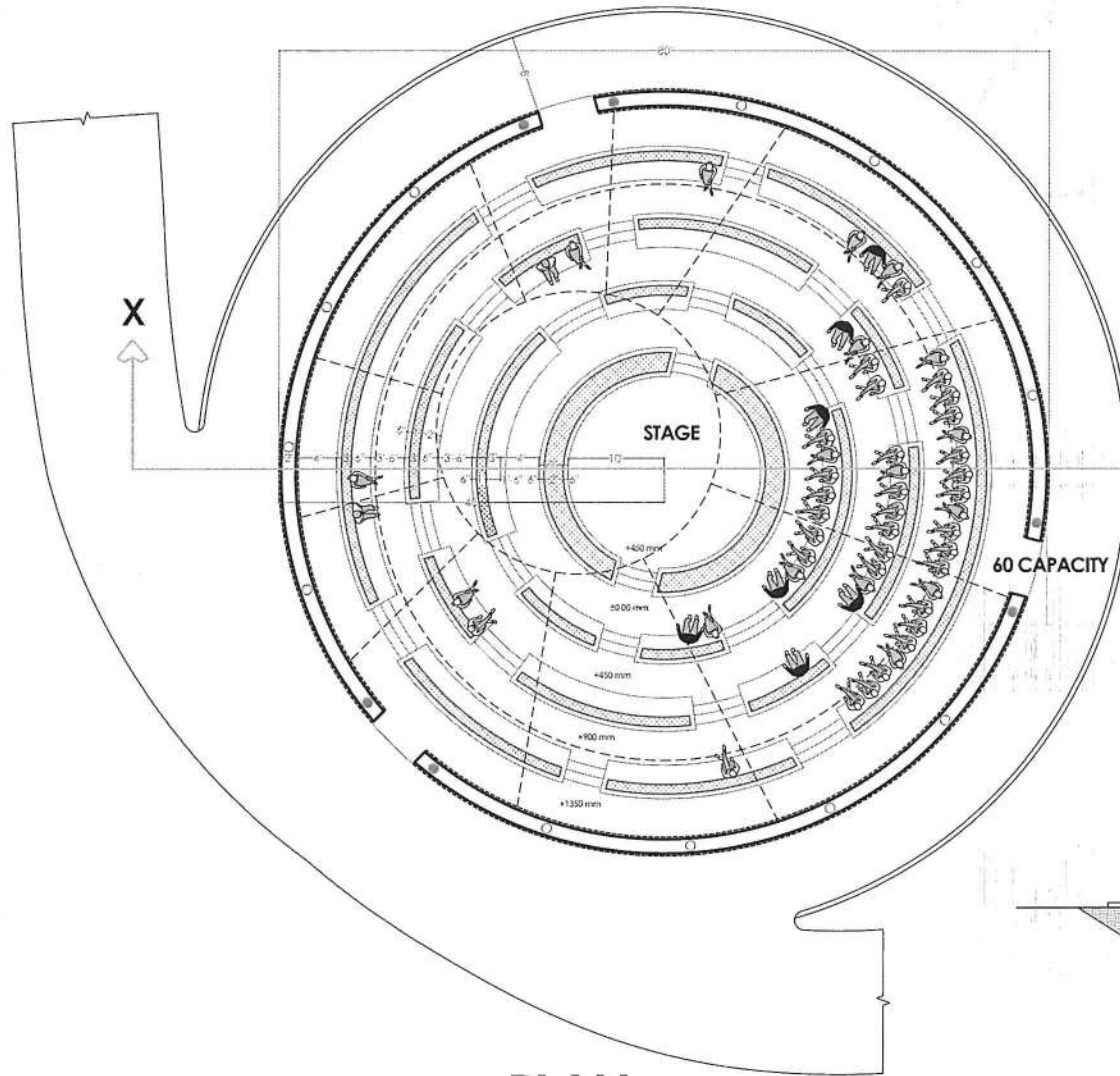
*FOLLOW WRITTEN DIMENSIONS

CONSULTANT:

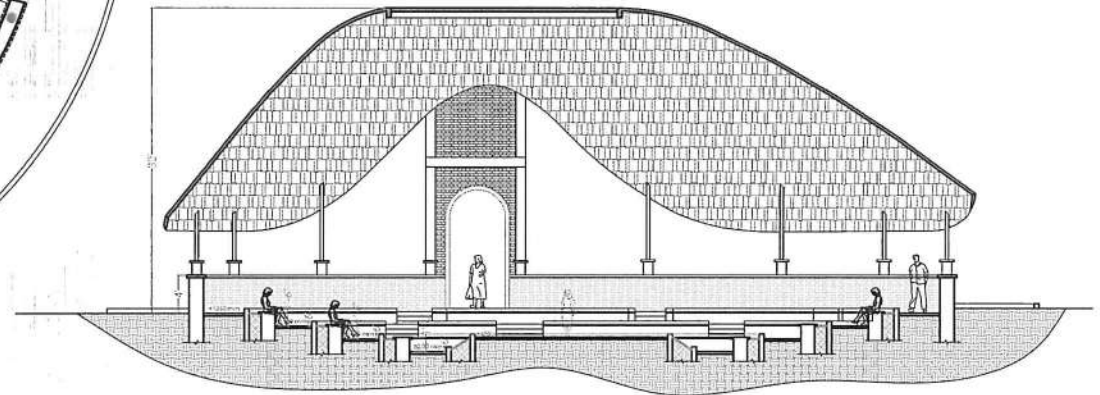


CHINTANA CHHAYA AT IIT BHUBANESWAR CAMPUS

OLC 2



PLAN



SECTION X-X'

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BISHNU

REVISION NO.: 01

DATE :

31/07/2026

DWG NO:

IIT-B/CC/VAS/AR-03

REVISION DATE:

ARCHITECT:

S. S. RAY.

REGD.NO : CA / 10321 / 86

CLIENT:

CLIENT:

DRAWING TITLE :

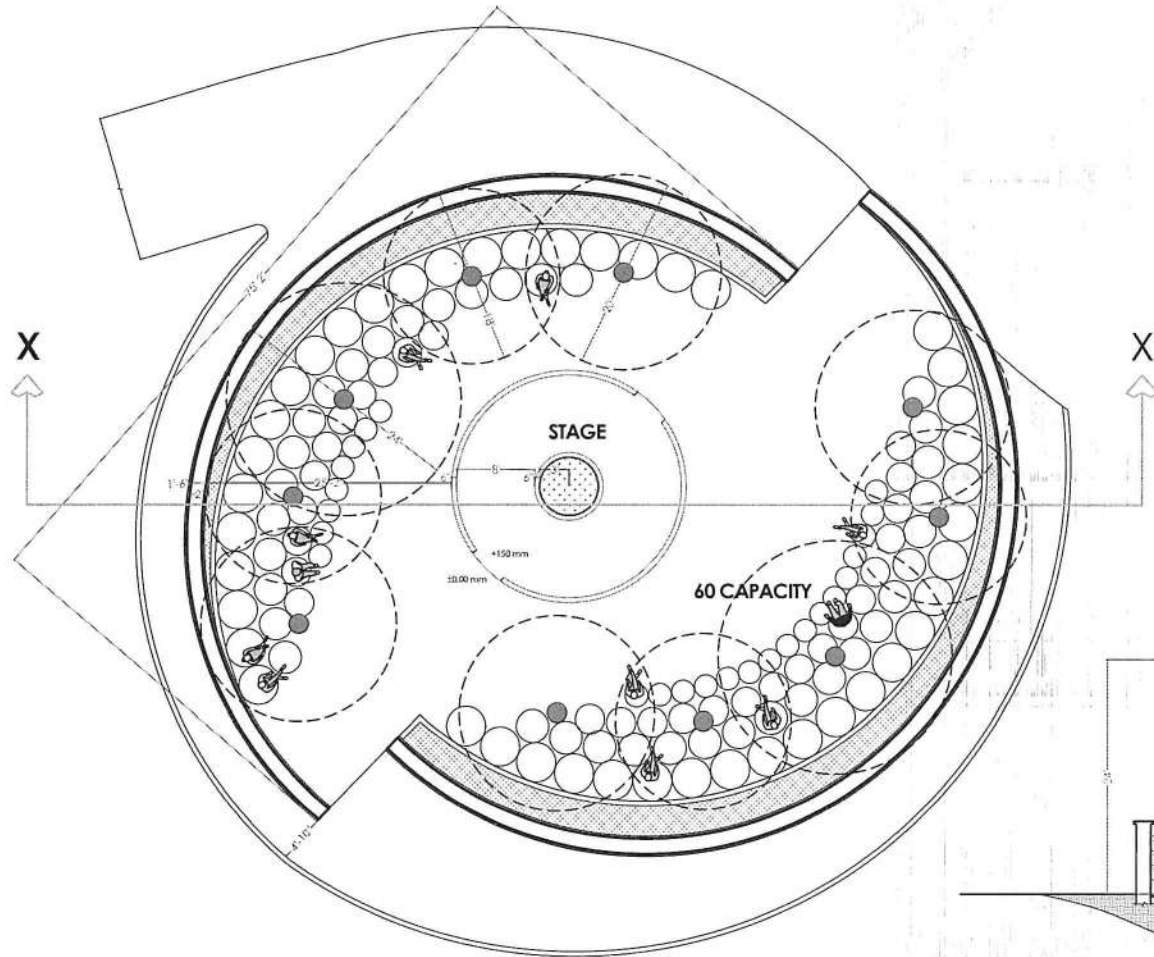
IIT-B CHINTANA CHHAYA
OLC 2

*FOLLOW WRITTEN DIMENSIONS

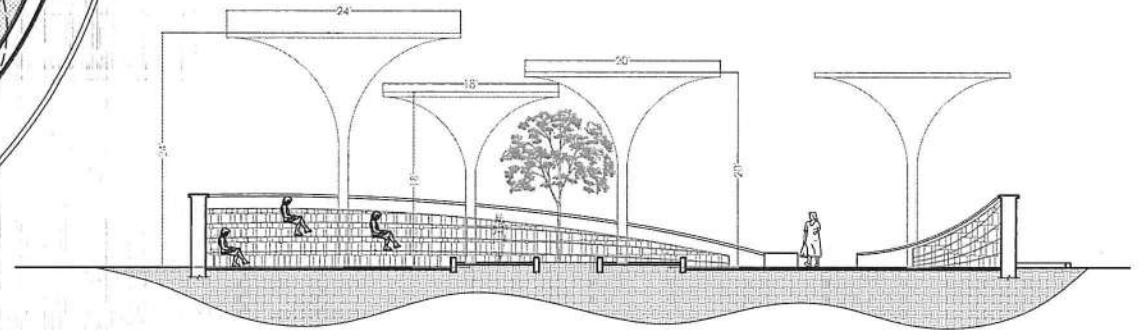
CONSULTANT:



OLC 3



PLAN



SECTION X-X'

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REVISION NO.: 01

DATE :

31/07/2026

DWG NO:

IIT-B/CC/VAS/AR-04

REVISION DATE:

ARCHITECT:

S. S. RAY.

REGD.NO : CA / 10321 / 86

CLIENT:

110

CUENT:

DRAWING TITLE :

IIT-B CHINTANA CHHAYA
OLC 3

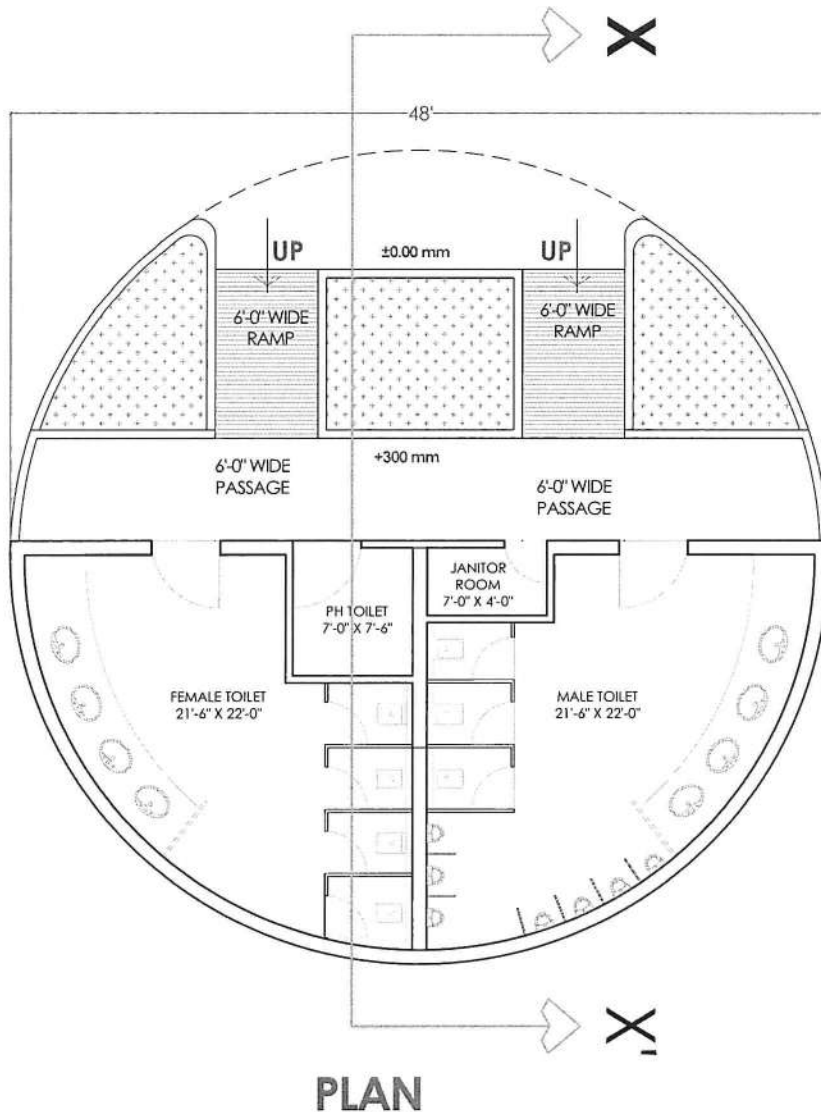
*FOLLOW WRITTEN DIMENSIONS

CONSULTANT:

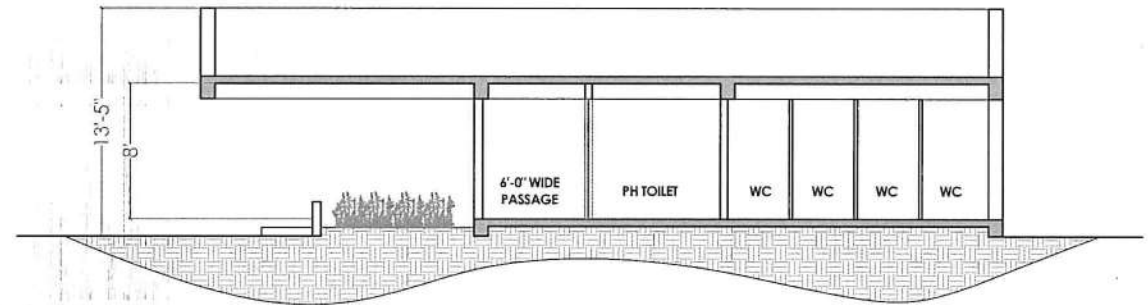


CHINTANA CHHAYA AT IIT BHUBANESWAR CAMPUS

TOILET BLOCK



PLAN



SECTION X-X'

NOTES:

- This drawing is the property of M/s. VASTUKAR & is not to be used or reproduced without their prior permission.
- The drawing is not to be scaled. Only written dimensions are to be followed.
- Any deviations or changes should be referred to the Architect.

SCALE =

NTS

DEALT BY:

BISHNU

REVISION NO.: 01

DATE :

31/07/2026

DWG NO:

IIT-B/CC/VAS/AR-05

REVISION DATE:

ARCHITECT:

S. S. RAY.

REGD.NO : CA / 10321 / 86

CLIENT:

111

CLIENT:

DRAWING TITLE :

IIT-B CHINTANA CHHAYA
TOILET BLOCK

*FOLLOW WRITTEN DIMENSIONS

CONSULTANT:



CHINTANA CHHAYA AT IIT BHUBANESWAR CAMPUS