



भारतीय प्रौद्योगिकी संस्थान इंदौर
Indian Institute of Technology Indore
सिमरोल, खंडवा रोड़ इंदौर – 453552
Simrol, Khandwa Road, Indore- 453552

E -TENDER DOCUMENT

Name of work:

“Construction, Supply & Installation of Modular Kitchen facility for Faculty Housing at IIT Indore”

CHAPTER- 1
Schedule of Tendering:

Sl. No.	Event	Date and Time/ Remarks
01	Down loading of Tender document online from CPPP	From 16/03/2018- https://eprocure.gov.in/eprocure/app & http://www.iiti.ac.in/tender_mms.php
02	Last date & Time of Submission of Bids Online / EMD (Technical and Price Bid)	March 22, 2018– 03.00PM(IST) Please refer tender Terms at IITI
05	Opening of Technical Bids Online	March 23, 2018- 03.00 PM, (IST) Please refer tender Terms at IITI
06	1. All the communications with respect to the tender shall be addressed to:	Dy. Registrar (MM), IIT Indore, Workshop Building Khandwa Road, Simrol, Indore- 453552 Tel.: 07324-306958
07	2. Submission of Bid Online	https://eprocure.gov.in/eprocure/app
08	FOR TAKING ASSISTANCE, IF ANY	CPP Portal website: www.eprocure.gov.in CPP Portal Help Desk Toll Free No.:18002337315, 180030702232

Detailed Notice Inviting Tenders

The Registrar, IIT Indore invites sealed tender from reputed & eligible contractors fulfilling the pre-qualification criteria enumerated below for the following work:

Sl. No.	Name of Work	NIT No.	EMD (in INR) - Online
1.	Construction, Supply & Installation of Modular Kitchen facility for Faculty Housing at IIT Indore”	IITI(MM)/NIT/WS-FH/ 10/10J/ 579/ SFA//2017-2018	₹ 90,000.00 (Rupees Ninety Thousand Only) Online EMD Submission: Bidder can submit their EMD against purchase tenders on line by visiting to the below link: http://deposit.iiti.ac.in/mms/
SUBMISSION OF BIDS ONLINE IN TWO BID			https://eprocure.gov.in/eprocure/app
Work Completion period : Within 60 days from the date of work order.			

Note:

- I. Tender Documents with detail terms & conditions can be downloaded from our website: http://www.iiti.ac.in/tender_mms.php & <https://eprocure.gov.in/eprocure/app>
- II. The prebid report will be uploaded on the website & CPPP and the same will be a part of the tender document.
- III. All the details/document pertaining to the NIT such as tender document, pre-bid report, corrigendum and any further updates will be available only on our website and also at Central Public Procurement Portal.
- IV. Bids/Quotations may be submitted directly by the OEM or their Authorized distributors/Dealers/Resell Agents/Channel Partners with proof of authorization.

IIT Indore shall not be responsible for non-receipt bid due to internet issues or any other reasons. **For any issues related to tender please contact Material Management Section, Tel: +91-731-2438949/958 Email: mms@iiti.ac.in**

ONLINE BIDDING DOCUMENTS FOR WORK**CONTENTS**

Chapter 1	Schedule of Tendering
Chapter 2	Instruction to Tenderers
Chapter 3	Preparation of Bids, Submission of Bids, Assistance to Bidders & General Instruction to the bidders
Chapter 4	Technical Bid
Chapter 5	Certificate & Performance Bank Guarantee
Chapter 6	General Terms & Conditions
Chapter 7	PRICE BID (BOQ documents)
Chapter 8	Technical Specification as Annexure- I

CHAPTER- 2 INSTRUCTIONS TO THE TENDERERS

The tender shall be submitted in accordance with these instructions and any tender not confirming to the instructions as under is liable to be rejected. These instructions shall form the part of the tender and the contract.

1. For Online Bid Submission as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)).The bidders are required to submit copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.
2. More information useful for submitting the online bids on the CPP Portal is available/obtained at [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)
3. For Registration: Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link "Click here to Enroll". Enrolment on the CPP Portal is free of charge.
4. Foreign Bidders have to refer "DSC detail sfor foreign Bidders" for Digital signature Certificates requirements which comes under Download Tab at <http://eprocure.gov.in/eprocure/app?page=Standard Bidding Documents &service=page> and the remaining part is same as above and below.
5. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tenderer stipulate any condition of his own, such conditional tender is liable to be rejected.
6. IITI reserves the right to reject any tender/bid wholly or partly without assigning any reason.
7. The Technical Committee constituted by the IITI shall have the right to verify the particulars furnished by the bidder independently.
8. Tenderer shall take into account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. IIT Indore before quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.
9. The item should be delivered at IIT Indore, Khandwa Road, Simrol, Indore and the supplier shall be responsible for any damage during the transit of goods.
10. All the tender documents & price bid to be uploaded as per this tender are to be digitally signed by the bidder.

11. Interested bonafide and reputed manufacturers/Indian agents (on behalf of their foreign principals) may submit online bids for each of the above equipment alongwith all requisite documents and scanned copy of online EMD submission reference.
12. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents mentioned in the bid document should and must be uploaded On-line <http://eprocure.gov.in/eprocure/app> . The Bids sent through FAX, E-mail, by hand and/or by post shall not be accepted/ processed, in any case.
13. The bidders may submit duly filled and completed bidding document ONLINE as per instruction contained in the bidding documents. Incomplete bid shall be rejected. The conditions of tender shall be governed by the details contained in complete bid document.
14. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time. The IITI reserves the right to accept or reject any or all the tenders.
15. The detailed instruction for online submissions of bid(s) through e-procurement module of Central Public Procurement of NIC, the bidder(s) may visit following link:- <http://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page>

CHAPTER - 3

PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers (e-tender system) in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from the same may lead to rejection of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF/ XLS formats. Bid documents may be scanned with 100 dpi with black and white & color option.
4. Bidder should upload the standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) with each bids.
5. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS

1. Bidder should log into the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. A standard BoQ format has been provided with the tender document to be filled by all the bidders.
4. Bidders are requested to note that they should necessarily submit their financial bid in the format provided and no other format is acceptable. The bidders are required to download the BOQ file, open it and complete the white coloured (unprotected cells with their respective financial quotes and other details (such as the name of the bidder) No other details should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file found to be modified by the bidder, the bid will be rejected.
5. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. All the documents being submitted by the bidders would be encrypted to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening.
7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
9. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 18002337315.

General Instructions to the Bidders

- 1) The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app>. In the Technical Bids, the bidders are required to upload all the documents in pdf format.
- 2) Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
- 3) Tenderer are advised to follow the instructions provided in the "Instructions to the Tenderer" for the e-submission of the bids online through the Central Public Procurement Portal for e-Procurement at <http://eprocure.gov.in/eprocure/app>

CHAPTER 4

TECHNICAL BID FOR

“Construction, Supply & Installation of Modular Kitchen facility for Faculty residence at IIT Indore”.

CONTENTS

- 1.0 INVITATION TO BID
- 2.0 FORM OF TENDER & CONTRACT DATA
- 3.0 INSTRUCTIONS TO BIDDERS

1.0 INVITATION TO BID

Sub: Invitation to bid for Construction, Supply & Installation of Modular Kitchen facility for Faculty residence at IIT Indore.

Dear Madam(s)/ Sir(s),

Bids are invited from Contractors or firms having experience of minimum 3 years in handling such type of works.

The scope of work includes Execution of works, Management and Supervision at the site, including supply of requisites as well as furnishing & allied services etc. The basic drawings for the proposed work is attached herewith in Volume-I C and the Contractor who will be assigned this work shall have to develop this in consultation with the Engineer in charge of IIT Indore appointed by the Competent Authority.

Details of scope and broad specifications are given in Volume I.

- 1.1 Tender document can be downloaded from URL:<http://www.iiti.ac.in> OR from <http://eprocure.gov.in/epublish/app>.
- 1.2 In case the bidders need any further information about the tender or want to visit the site they are requested to put up the request on or before last date of submission date to the Engineer, IIT Indore for its clarification. No query shall be entertained after the same.
- 1.3 Bids invited are as per two-envelope system. Firms / Bidders are requested to submit technical and financial bid in two BID as per E tender document, one containing the Technical Proposal along with the EMD (online mode only).
- 1.4 Short listing will be made on the basis of statement of qualification and experience in handling similar nature and size of work as per requirements.

- 1.5 Qualification requirements specifying financial capacity, technical, minimum acceptable levels with regards to Bidders experience in relevant work and other related factors such as work on hand, other commitments on that time frame and litigation history as given and described will be evaluated first and those qualification criteria will be considered for further evaluation. Technical Proposal, which is not considered substantially responsive, will be rejected. The short listed bidders' Price bids shall be opened on subsequent date for further evaluation in the presence of the Bidders who choose to attend the opening.
- 1.6 Technical Proposal not containing the EMD will be out-rightly rejected.
- 1.7 Technical Bids will be opened in the presence of bidder's representatives who choose to attend, at IIT Indore, for further short listing and there after the bidder's will be conveyed about the schedule of Financial bids opening.
- 1.8 All Bidders participating as a Limited Company, Firm or a Joint Venture will have to attach a valid Power of Attorney in the name of the person who signs the bid. Bidders will also nominate and authorize the person/s who will attend various meetings such as opening of Technical and Financial Bids. Persons other than such nominated and authorized persons shall not be permitted to attend and participating tender events. For joint ventures and consortiums a legal document of Memorandum of Understanding shall be attached. In case of Joint Venture all the partners jointly & severally responsible for the work.

FORM OF TENDER & CONTRACT DATA

The tender is item rate tender. The Tender process is aimed at selecting suitable vendor only. The work will be awarded to a responsive bidder whom the Evaluation Committee finds suitable after elaborate screening process.

2 CONTRACT DATA

Important contract data is summarized as under;

2.1	Name of Work	Construction, Supply & Installation of Modular Kitchen facility for Faculty residence at IIT Indore.
2.2	Place of issue of documents from	Please visit website www.iiti.ac.in or http://eprocure.gov.in/epublish/app
2.3	Earnest Money Deposit	Rs. 90,000.00 (Rupees Ninety Thousand Only) by online mode only
2.4	Form of securities	In favour of Registrar IIT Indore The firm has to submit a performance Guarantee of 10% of the total order value to be submitted after placing the Letter of intent. Validity Period for PBG shall be 12 months from completion of work. Performance Security will be discharged after 12 month from the date of completion of work.
2.5	Bid Validity	90 days
2.6	Bid System	Two Bid
2.7	Notification of bid	March 16,2018
2.8	Submission of bid & online EMD last date	March 22, 2018 upto 3.00pm
2.9	Opening of technical bid	March 23, 2018 at 3.00pm
2.10	Clarification regarding tender	Visit the site on or before March 21, 2018 till 05.00 P.M to HUB Building, Purchase section, IIT Indore for its clarification. No query shall be entertained after the same.

INSTRUCTION TO BIDDERS

CONTENTS:

- A. INTRODUCTION
- B. BIDDING DOCUMENTS
- C. PREPARATION OF BIDS
- D. SUBMISSION OF BIDS
- E. TECHNICAL AND FINANCIAL BID OPENING AND EVALUATION
- F. AWARD OF CONTRACT

A. INTRODUCTION

1. SOURCE OF FUNDS :Work will be funded by IIT Indore.
2. DESCRIPTION OF WORK: Construction, Supply & Installation of Modular Kitchen facility for Faculty residence at IIT Indore

THE WORK COVERS:

Construction, Supply & Installation of Modular Kitchen facility for Faculty residence at IIT Indore as per the items mentioned in the Financial Bid doc. & Any other items required to complete the job as per the Engineer-in-charge

Implementation Period:

The Contractor can start mobilizing his resources once the LOI/A is issued for timely implementation of job & is to be completed in all respect by the time as is mentioned. However, if due to any unforeseen reasons if the site is not available, Contractor shall be capable to execute the work in a shorter period. No additional payment shall be made on this account. The job is planned to be implemented in a period of Sixty (60) calendar days including holidays.

Implementing Agency:

IIT Indore " (herein after known as "Employer" or the Employer shall be the implementing agency /Owner /Employer / Client. The Employer shall appoint officer for monitoring and day to day supervision. The observations and instruction issued by the Employer / or his representative shall be binding to the Contractor.

Bidder responsibilities on selection and Contract Award and Execution

The bidder shall visit and study the site situation, interact with employer, check-up the various elements of the works proposed, then make his own judgment regarding his scope in the tender. He shall also study the price schedule mode and system of payment and other related conditions, technical specifications, etc. before finalizing bid.

The bidder will be liable to deploy all categories of staff with their duties & duty places, responsibilities, with adequate experience and will abide with minimum wages fixed by Statutory Bodies for salaries (at various stages) etc. Non adherence shall not be permitted.

The "contract" is to be implemented within the time schedule as specified earlier in Guidance to Bidders, which is inclusive of holidays from the date of Work Order.

RESPONSIBILITY OF THE BIDDER

1. The bidder shall be fully responsible for site review and event of the Works conforming to relevant Indian standards as per scope of work and base specifications furnished in this Bid Document. The Contractor shall be responsible for design, execution of the job including Procurement, Construction, Complete Management, Coordination, Testing and Commissioning.

2. The bidder shall utilize optimally the land (allotted area) available for installation/construction of various facilities/components of the job and cost all components and allied works of the Contract. The details of the costing shall form part of the proposal. The bidder shall provide a detailed scheme of installation & commissioning, operation and maintenance.

3. The bidder shall take into consideration all aspects of the job at the time of bidding, namely, though not restricted to:

- f* Execution and management as per scope
- f* Procurement of requisite materials and manpower
- f* Civil Works including development and other services
- f* Quality control
- f* Environmental and social safeguards
- f* Security and risk coverage

(a) The bidder has to bear in mind that if selected for the award of contract he shall have to ensure that in any case no damage is caused to the environment while executing the Contract.

(b) The bidder if selected, as Contractor shall ensure that while carrying out operation for execution of various works, habitat animals are not disturbed.

(c) Necessary safety measures shall be the responsibility of the Contractor. Any loss of human/cattle or damages or so, shall be the responsibility of the Contractor including any liability and/or compensation to be paid towards the life lost damages so caused.

(d) All infrastructure works covered in the contract shall be so managed and executed that they maintain safe distance from the public roads and other structures, services and sensitive areas like hostels and residential areas.

(e) Cutting of trees shall not be permitted.

(f) Once the Contract is completed, the debris and other waste material shall be removed and shifted to safe place, as directed.

(g) The workmanship shall be of high order and quality so as to prevent accidents and damaging the environment and surroundings.

(h) No Damage in case shall be caused to the existing structure. The selected contractor shall be held responsible in occurrence of any such incident and will be responsible for the cost of required rectifications.

(i) Site shall be returned to the Employer as it was in the original condition and completely free of any garbage and temporary structures.

4. The bidder shall bear all costs associated with the preparation and submission of its bid, and the Employer in no case is responsible or liable for these costs, regardless of the outcome of the bidding.
5. The successful bidder shall make his own arrangements for all the materials, power and water required for all purposes in connection with the construction and implementation of the Contract. If possible the employer shall help for obtaining such facilities at an appropriate cost, which will be recovered, from the Contractor in a suitable way.

DATA / ASSISTANCE / FACILITIES TO BE MADE AVAILABLE BY THE EMPLOYER

1. The Employer or its authorized officer shall enter in to agreements with the successful bidder on the basis of the Contract finalized at the bidding stage. The bidder has to quote for all the works relevant to the Scope of the Works, without any exceptions.
2. The Employer shall provide access to the successful bidder throughout the period of the agreement, for reference to all available records, maps, drawings, reports and other technical data in its possession to assist the successful bidder in the execution of the work.
3. The major statutory permissions relating to the Contract shall be responsibility of the Employer. However the Contractor shall be responsible for day-to-day clearances. The Employer and its identified officers shall provide all help and assistance.

ELIGIBLE BIDDERS

1. After the bids have been received as per terms and conditions, the bids, which do not contain prescribed amount of EMD and Tender fee summarily be rejected and no objection shall be entertained. Those bids, which fulfill the criteria, shall be opened.
2. All recipients of the bid documents for the purposes of submitting a bid shall treat the contents of this document as private and confidential.
3. Employer reserves the right to alter the mode of selection, accept or reject any or all bids without assigning any reason thereof.
4. Bidders should be valid registered Contractor with either some Central Government Department/State Government Department/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking/City Development Authority/ Municipal Corporation of City formed under any Act by Central/ State Government and published in Central/State Gazette

ELIGIBLE PLANT, MATERIALS, EQUIPMENT AND SERVICES

1. For the purpose of these Bid documents, the word "works" means civil, mechanical, interior electrical works, plants, materials and equipment to be hired, procured, tested, supplied and installed, field tested, commissioned together with the other services to be carried out by the Contractor, within the scope and ambit of the Contract.
2. All engineering processes, plants, materials and other resources required for the execution of this Contract shall be of Indian Origin to the extent possible. Imports if any shall be at the risk and the cost of the Contractor.

3. For purpose of this clause, "origin" means the place where the plants and materials or components parts thereof are mined, grown, or produced.

4. The Bidder should have at least Beam/Panel Saw, Laminate Press, Through-feed Edge Binder/Universal Edge Binder, CNC Router 550/CNC Router BHC 280,CNC Drilling Machine/ Multi-spindle drilling machine.

QUALIFICATION OF THE BIDDER

1. To be qualified for award of Contract, bidder shall have to fulfill following requirements:-

- a. The bidder should have a minimum experience of three years for carrying out the similar nature of works. Similar nature of work implies Construction, Supply & Installation of Modular Kitchen work using wood, Ply, MDF etc.
- b. The bidder should have achieved at-least 35 lakh of work during the immediate last 3 consecutive financial year, as an average annual financial turnover (in similar / equivalent types of works only).Documentary evidence in support of this is to be produced. Certified copies of Income tax returns, Head wise audited balance sheets, Profit & Loss Account of minimum three years are required to be submitted.

(i) Three similar completed works costing not less than the amount equal to 14 Lack.

or

Two similar completed works, costing not less than the amount equal to 21 lakh.

or

One similar completed work of aggregate cost not less than the amount equal to 28 lakh

(ii) Organization should be Government/State Government (either part of it) with separate Central Department/ Central Autonomous Body/ State Autonomous Body/ Central Public Sector Undertaking/ State Public Sector Undertaking/City Development Authority/ Municipal Corporation of City formed under any Act by Central/ State Government and published in Central/State Gazette.

Note: The value of work done will be assessed as per the value mentioned in the experience/completion certificate issued by the respective client.

- d. The bidder turns out to be a substantially responsive bidder as a result of evaluation of Technical Bid.
- e. Bidder's price bid shall be evaluated, accepted with or without negotiations and decided by the Employer for award of contract.
- f. The successful bidder shall submit a power of attorney authorizing the signatory of the bid to sign and execute the contract.
- g. A consortium shall be of maximum two partners.
- j. Any individual bidder or member of a consortium cannot be member in another consortium and participate in this tender.
- k. Bidder submitting their bid shall not be under liquidation, court receivership or similar proceeding.

ASSURANCE

The successful bidder shall be required to give satisfactory assurance of its ability and intention to complete the works pursuant to give the Contract, within the time set forth therein and according to the terms, conditions and specifications of contract.

SITE VISIT

1. Bidder is advised to depute a suitable team to visit the site to fully understand the job and ascertain the difficulties that may be encountered during execution of works and for obtaining all information for himself on his own responsibility that may be necessary for preparing the bid and entering into Contract. The site visits shall be entirely at bidder's own expense.

2. For the purpose of the visit the interested bidder may contact Project Engineer, IIT Indore.

3. The bidders and any of his personnel or agents shall be granted permission by the Employer to enter upon his premises and lands for the purpose of such inspection, additional surveys and investigation if he proposes to do etc. but only upon the explicit condition that the bidder, his personnel or agents, shall release and indemnify the Employer and his Personnel and agents from and against all liability in respect thereof and shall be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused, which but for the exercise of such permission would not have arisen.

All the pro forma attached with the document shall be filled in by the interested bidder.

4. The bidder is expected to examine carefully the Bidding Documents, including all instructions, forms, terms, conditions, Annexure, Appendix etc. as given in Bid document. There shall be a presumption on the part of the Employer, that the bidder has read all the documents in the entirety and the Tender offer has been made and presented accordingly.

5. For completing tender and required information the bidders shall use only standard PDF format specifically filled file name of the same document (eg. Service tax form.pdf), Bids submitted in any other format than specified here shall be rejected forthright without assigning any reasons.

Chapter- 5 **CERTIFICATE**

(to be provided on letter head of the firm)

I hereby certify that the above firm has not been ever blacklisted by any Central/State Government/Public Undertaking/Institute on any account.

I also certify that the above information is true and correct. In every respect and in any case at a later date, if it is found that any details provided above are incorrect, any contract given to the above firm may be summarily terminated and the firm blacklisted.

Date:

Place:

Signature of Contractor

**FORM „A“
FINANCIAL INFORMATION**

I. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/ profit & loss account for the last three years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (Copies to be attached).

Years

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- (i) Gross Annual turn over on construction works.
- (ii) Profit/Loss.
 - II. Financial arrangements for carrying out the proposed work.
 - III. Solvency Certificate from Bankers of the bidder in the prescribed Form "B".

Signature of Chartered Accountant with Seal

Signature of Bidder(s).

**FORM "B"
FORM OF BANKERS" CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge and information that M/s./Sh.....having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement upto a limit of Rs..... (Rupees.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature)
For the Bank

- NOTE (1) Bankers certificates should be on letter head of the Bank, sealed in cover addressed to tendering authority.
 (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

PERFORMANCE SECURITY FORMAT

To,
.....

WHEREAS (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no. datedto supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee:

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We further undertake to pay the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the supplier(s)/vendor(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 there under and the supplier(s)/vendor(s) shall have no claim against us for making such payment.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

Name and designation of the officer
Seal, name & address of the Bank and address of the Branch
Phone No., Fax No. & e-mail id.

Chapter -6

GENERAL TERMS AND CONDITIONS

1. **Delivery of Tender:** Online mode through E –Tender (please refer preparation of bids as stated above).
2. **Bid Security (EMD) : Earnest Money Deposit (EMD / Bid Security (BS) has to be submitted by bidders except those who are registered with**
 - ii) **Micro and Small Enterprises (MSEs)**
 - iii) **Central Purchase Organization (CPO)**
 - iv) **Concerned Ministry / Department.**
 - v) **Startups as recognized by Department of Industrial Policy & Promotion (DIPP).**
 - In such case, copy of the certificate showing registration with the abovementioned institutions to be uploaded in Cover-I of the e-tender in PDF format.
 - In case the unit is not covered as above, the EMD should be submitted online via <http://deposit.iiti.ac.in/mms/> and the payment reference should be attached in PDF with Cover I.
 - The EMD will be returned to the unsuccessful bidders after the orders are placed with the successful bidder.
 - The EMD will be forfeited if the bidder fails to accept the order based on his/her offer/bid or fails to reject the work order.
 - No interest will be payable by the Purchaser on the Earnest Money Deposit. The earnest money of all the unsuccessful tenderers will be returned to them at the earliest. The Earnest Money of successful bidder shall be returned on receipt of Performance Security. If the successful bidder fails to furnish the performance security or fails to supply the item as per Purchase Order (PO) terms and conditions within stipulated period, the earnest money shall be liable to be forfeited by IIT Indore
2. **Period for which the offer will remain opened:**
 - (i) Firms tendering should note the period for which it is desired that their offers should remain open for acceptance.
 - (ii) Quotations qualified by such vague and indefinite expressions such as “subject to immediate acceptance”, “subject to prior sale”, etc. will not be considered.
3. **Concession/Exemptions:** IITI is exempted from payment of Excise Duty. We shall provide all the documents to enable you to clear the goods without payment of Excise Duty, wherever required.
IIT-I being an academic institute is entitled for payment of Concessional Customs Duty on import of Scientific Instruments for Academic and Research purposes in terms of Govt. Notification No. 51/96 dated 23.07.1996 and Central Excise Duty Exemption in terms of Govt. Notification No.10/97-Central Excise Dated 01.03.1997 as amended from time

to time. Presently this is valid till 31.08.2021 vide Order No. TU/V/RG-CDE(1145)/2016 Dt.25/04/2017 issued from DSIR-Min. of Sc& Tech; Govt. of India. **Please state clearly that this Certificate is required.**

GST @ 5% as per Notification no. : 47/2017-Integrated Tax & 45/2017 Central Tax dated 14/11/2017

4. **Opening of Tenders:** Online tender opening as specified in schedule of requirement.
5. **Place of Delivery:** IIT Indore ,SIMROL Campus, Khandwa Road, Indore – 453552
6. **Defect Liability** (a) Should any defect or inadequacy occur in the work carried out or the service performed by the contractor prior to the date of final acceptance of the work by IITI, the Contractor shall be under a legal obligation to perform, at his own initiatives and free of cost without any additional liability to IITI, all such services as shall be deemed necessary to remedy such defects or inadequacy. The decision of the Engineer In-Charge regarding 'defect or inadequacy' in the work so carried out and service rendered shall be final and binding.

(b) In case, despite the specific request by IITI to the Contractor to rectify or remedy the defect or inadequacy so pointed out and brought to the notice of the Contractor, the Contractor fails and neglects to rectify the same, within the time frame given by IITI for such rectification then IITI shall be within its right to correct such defects of the inadequacy(s) rectified from a third agency at the costs and risks of the Contractor. It shall be within the right of IITI to adjust / recover such additional costs, so incurred by IITI from the payments due and payable to the Contractor.

(c) However the actual cost of execution of rectification work will not be borne by the contractor.

(d) Except in case of gross negligence or willful misconduct on the part of the Contractor or on the part of any person or firm acting on behalf of the Contractor in carrying out the Services, the liability of the Contractor for all guarantees & warranties shall be limited to 5% (Five percent) (to be mentioned by the indenter) of the tender amount.

(e) Defect liability period will be 12 months from the date of completion of work.
7. **Right of Acceptance:** This office does not pledge itself and reserves to itself the right of accepting the whole or any part of the tender or portion of the quantity offered and the firm shall supply the same at the rate quoted. The firm shall be at liberty to tender for the whole or any portion or to state in the tender that the rate quoted shall apply only if the entire quantity is taken from the firm.
8. Items supplied are subject to inspection and acceptance and the supplier should collect/ replace the rejected items at his cost and risk.
9. **Specification and Make:** Quotation should be given for the exact specification and make as shown in the enquiry against Sl. No. of the item. If in the view of the supplier there is any other alternative item which can serve out purpose, quotation may also be given for the same separately. Client list along with the order copy of similar equipment supplied to any IITs / any Govt. Organization including detail of price & all charges must be attached. In the case of items quoted having specifications different than those mentioned in the enclosed Tender format, kindly submit the information and the prices in the same format but on additional Sheet.
10. No correspondence/discussion/visits whatsoever will be entertained on the subject unless specifically called by this office after opening the tenders for technical discussions/ price negotiations. Any violation of this will render the quotations invalid and the firm is liable to be blacklisted.

11. IITI reserves the right to call for techno-commercial/price negotiations. The company should depute competent representative for such discussion/negotiations whenever called for and he shall be competent to take on the spot decisions.
12. **Liquidated Damages:-** As Time is the essence of an order, the date of delivery should be strictly adhered to, otherwise the delivery in full or in part may not be accepted and penalty for late delivery will be imposed @ 0.5% (Half Percent) per week subject to a maximum of 10% of the total value of supply order & beyond 10% subject to approval of IITI. In case of delay in installation and Commissioning, Inspection, Certification etc. also the same rate of penalty shall be leviable.
13. **Force Majeure:** Neither the contractor nor the institute shall be liable to the other, for any delay in or failure of their respective obligations under this control caused by occurrences beyond the control of either party because of fire, floods, acts of God, acts of public enemy, wars, riots, strikes, lockouts, sabotage any law statute or ordinance order actions or regulations of the Government or any compliance there is similar to the above. Either party shall promptly notify the other of his commencement and cessation of such contingency and prove that such is beyond the controls and effects the implementation of this contract adversely.
14. The firm may give any of their commercial term, if required, in their techno-commercial offer only, and price quotation should contain only price.
15. Please inform the IITI in writing whether the owner of the firm or any of their partners/employees has close relations working with IIT Indore. This is for record only.
16. **IITI reserves the right to modify/alter/Insertion or deletion on any part of the tender document /NIT to ensure fulfillment of its material & service requirement at any stage.**
17. The instructions about bidding given in this advertisement and the Tender Documents should be read thoroughly before bidding. IIT Indore reserves the right to accept or reject any or all quotations at any stage without assigning any reason whatsoever it may be.
18. **Cancellation:** IIT- Indore reserves the right to accept or reject or cancel any or all enquiries or quotations at any stage without assigning any reason thereof. In case of cancellation of order due to Non-compliance of the Terms and Conditions and Breach of the Contract, No compensation will be paid towards progress of order/procurement.
19. **Governing Law:** The order placed will be contract between the supplier and the buyer and shall be governed by the LAWS of India and under the contract shall be taken by the parties only in Indore, India to competent jurisdiction.
20. For any dispute, the place of jurisdiction shall be Indore, India only.

COMMERCIAL

1. Payment will be released through wire transfer/bank RTGS transfer after completion of work, inspection, of the item(s) and if found satisfactory with regard to quality, quantity and specifications ordered. The payment will be released after statutory deductions. For the payment, the firm has to submit bill(s), challans(s), bank details/cancelled cheque, work completion report, performance bank guarantee (if required) etc. to the Deputy Registrar (MM), IIT Indore. The payment will be released within 30 days after receiving of the bills as mentioned

above and from the date of received, tested/inspected/commissioned and found satisfactory with regard to quality, quantity and specifications ordered.

2. Mode of Billing & Payment : Billing and payments in respect of the Services shall be made as follows:

(a) The payment to the Contractor will be made periodically as per the schedule of payment agreed upon for payment to Contractor. Contractor shall submit his periodical bill in triplicate along with supporting documents. IITI shall cause the payment to the Contractor to the amount indicated in the bill within thirty (30) days of receipt of the bill.

(b) The final bill of the contractor under this Contract shall be raised only after the final report and a final statement identified as such, shall have been submitted by the contractor has completed verification of the final bill of contractor and the same is approved as satisfactory by the IITI. IITI shall cause the payment to the Contractor to the amount indicated in the bill within thirty (30) days of receipt of the bill.

Bills : IIT Indore shall make progressive on account payments to the Contractor against the stages based on the quantum of work done during that stage and time period, as may be mutually agreed to between IIT Indore and the Contractors. Running bills shall be submitted as per satisfactory of work, and should not be less than 10 lakh.

Rate must be quoted inclusive of all taxes and GST.

3. Delivery desired is within **60 days** from the date of releasing the work order. Specify your completion period.
4. In case of delayed in work, liquidated damages at the rate of **0.5 percent per week** of delay with a maximum of **10 percent** of contract/order value will be levied.
5. The firm has to submit a performance security of 10% of the total order value to be submitted from an Indian Scheduled Bank in the form bank guarantee valid for 12 months from the date of completion. No interest will be payable by the Purchaser on the Performance Security deposited. In case supplier fails to provide satisfactory after sale service within the warranty period, the Performance Security submitted by the firm is liable to be forfeited. The performance bank guarantee will be released after successful completion of defect liability period (12 months)

CHAPTER- 7

PRICE BID

PRICE BID - Schedule of price bid in the form of BOQ format:

1. The below mentioned Financial Proposal/Commercial bid format is provided as BoQ along with this tender document at <https://eprocure.gov.in/eprocure/app>
2. **Bidders are advised to download this BoQ.xls** as it is and quote their offer/rates in the permitted column and upload the same in the commercial bid.
3. Bidder shall not tamper/modify downloaded price bid template in any manner. In case if the same is found to be tampered/modified in any manner, tender will be completely rejected and EMD shall be forfeited.
4. The tender shall remain valid for acceptance for **90 days**, from the date of tender opening.

OTHER CONDITIONS FOR PRICE BIDS

1. No unilateral revision in price will be admissible.
2. Rates should be quoted in the accounting units (A/U) mentioned in this enquiry. Rates must be quoted clearly on free delivery basis at IIT Indore and total value is also indicated in words.
3. Any optional indicated in techno-commercial bids must be priced separately.
4. In case spares/accessories are applicable, their list and price should be clearly indicated separately.
5. The price must be stated for each item separately. The percentage of reduction, in the unit price should also be quoted, should an order to that extent be placed with you.

Signature of Tenderer

CHAPTER -8

TENDER SPECIFICATIONS

**Indian Institute of Technology
Indore**

Annexure - A

Please refer this annexure while filling
the BOQ for
2 BHK

Sr. No.	Description	No. of Flats	Qty	Unit
	BASE KITCHEN A			
1	<p>ALUMINIUM FRAMMING</p> <p>PROVIDING & FIXING MODULAR KICHEN ALL FRAMMING ON BASE 1X2 ALUMINIUM HAVY PIPE WITH WHITE POWDER COATING WITH 50 MICROWN INNER FILLING 1X2 TEAK WOOD ALL STRUCTURES & FITTED WITH ANGAL BRACKET SCREW & NECESSARY HARDWARE AS PER DESIGNE .</p>	27	<u>16.49</u>	<u>RFT.</u>
2	<p>SHUTTERS & FECIA</p> <p>PROVIDING & FIXING MODULAR KICHEN ALL SHUTTERS & FECIA ARE IN 18MM THICK BWR PLYWOOD MAKE GREENLAM ,CENTURY WITH WATER PROAFF , & USEDING LAMINATE 1MM THICK HIGH GLOSSY MAKE GREENLAM ,MERINO, FIRE RERETARDENT TREATED WITH IMPORTED FIRE RERETARDENT CEMICAL WITCH HELP IN DELAYING TEMPRATURE RISE ,MAKING IT RESISTANT TO FIRE THIS LAMINATE ARE HIGH IN ASAESTHETIC APPEAL & ANSUEL SECURED ENVIRMENT WITH EDGE BANDING OF REHAU POLYMERS MAKE OF THICKNESS 1.5 MM IN ALL COVRING IN AREA AS PER DESIGN.</p>	27	<u>28.77</u>	<u>SOFT</u>
3	<p>SS BASKETS PLAIN</p>	27		

	PROVIDING & FIXING SS BASKETS PLAIN MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X4X20		<u>1.00</u>	<u>NOS</u>	-
4	SS BASKETS PARTATION PROVIDING & FIXING SS BASKETS PARTATION MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X4X20	27	<u>1.00</u>	<u>NOS</u>	-
5	SS BASKETS CUP & SCOCER PROVIDING & FIXING SS BASKETS CUP & SCOCER MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X6X20	27	<u>1.00</u>	<u>NOS</u>	-
6	SS BASKETS THALI PROVIDING & FIXING SS BASKETS THALI MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X8X20	27	<u>1.00</u>	<u>NOS</u>	-
7	SS BASKETS PLATE PROVIDING & FIXING SS BASKETS PLATE MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X6X20	27	<u>1.00</u>	<u>NOS</u>	-
8	SS BASKETS PULL OUT	27			

	PROVIDING & FIXING SS BASKETS PULL OUT MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 8X20		<u>1.00</u>	<u>NOS</u>	-
9	TELESCOPIC CHANNEL SOFT CLOSE HETTICH PROVIDING & FIXING TELESCOPIC CHANNEL SOFT CLOSE THE WORLD TOPPER COMPANY MADE IN GERMANY REPUTED BRAND NAME HETTICH, THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.	27	<u>7.00</u>	<u>NOS</u>	-
10	HINGES SOFT CLOSSING HETTICH PROVIDING & FIXING HINGES SOFT CLOSE THE WORLD TOPPER COMPANY MADE IN GERMANY REPUTED BRAND NAME HETTICH, THE SHUTTER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.	27	<u>4.00</u>	<u>NOS</u>	-
11	HANDELS PROVIDING & FIXING HANDELS, THE WORLD TOPPER COMPANY MAKE HETTICH & QUITE REPUTED BRAND , THE SHUTTER & FECIAS ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.	27	<u>11.00</u>	<u>NOS</u>	-
-					-

Indian Institute of Technology Indore				
Annexure - B				
Please refer this annexure while filling the BOQ for 3 BHK				
Sr. No.	Description	No. of flats	Qty	Unit
BASE KITCHEN A				
1	ALUMINIUM FRAMMING PROVIDING & FIXING MODULAR KICHEN ALL FRAMMING ON BASE 1X2 ALUMINIUM HEAVY PIPE WITH WHITE POWDER COATING WITH 50 MICROWN INNER FILLING 1X2 TEAK WOOD ALL STRUCTURES & FITTED WITH ANGAL BRACKET SCREW & NECESSARY HARDWARE AS PER DESIGNE .	27	<u>18.33</u>	<u>RFT.</u>
2	SHUTTERS & FECIA PROVIDING & FIXING MODULAR KICHEN ALL SHUTTERS & FECIA ARE IN 18MM THICK BWR PLYWOOD MAKE GREENLAM ,CENTURY WITH WATER PROAFF , & USEDING LAMINATE 1MM THICK HIGH GLOSSY MAKE GREENLAM ,MERINO, FIRE RERETARDENT TREATED WITH IMPORTED FIRE RERETARDENT CEMICAL WITCH HELP IN DELAYING TEMPRATURE RISE ,MAKING IT RESISTANT TO FIRE THIS LAMINATE ARE HIGH IN ASAESTHETIC APPEAL & ANSUEL SECURED ENVIRMENT WITH EDGE BANDING OF REHAU POLYMERS MAKE OF THICKNESS 1.5 MM IN ALL COVRING IN AREA AS PER DESIGN.	27	<u>33.66</u>	<u>SQF</u> <u>T</u>
3	SS BASCKETS PLAIN PROVIDING & FIXING SS BASCKETS PLAIN MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X4X20	27	<u>1.00</u>	<u>NOS</u>
4	SS BASCKETS PARTATION	27		

	PROVIDING & FIXING SS BASCKETS PARTATION MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X4X20		<u>1.00</u>	<u>NOS</u>	-
5	SS BASCKETS CUP & SCOCER PROVIDING & FIXING SS BASCKETS CUP & SCOCER MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X6X20	27	<u>1.00</u>	<u>NOS</u>	-
6	SS BASCKETS THALI PROVIDING & FIXING SS BASCKETS THALI MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X8X20	27	<u>1.00</u>	<u>NOS</u>	-
7	SS BASCKETS PLATE PROVIDING & FIXING SS BASCKETS PLATE MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 19X6X20	27	<u>1.00</u>	<u>NOS</u>	-
8	SS BASCKETS PULL OUT PROVIDING & FIXING SS BASCKETS PULL OUT MAKE IN & OUT COMPANY LIFE TIME WARRONTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASCKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 8X20	27	<u>1.00</u>	<u>NOS</u>	-

<p>9</p>	<p>SS BASKETS CURROUSEL</p> <p>PROVIDING & FIXING SS BASKETS CURROUSEL ROUND MAKE IN & OUT COMPANY LIFE TIME WARRANTY AISI 304 STAINLESS STEEL 5.5 MM THICK OUTER & 3 MM THICK INNER SUPPORT ,THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY BASKETS MINIMUM 20 KGS CAPACITY MENTAIN , AS PER DESIGN. SIZE 750 HIGHT</p>	<p>27</p>	<p><u>1.00</u></p>	<p><u>NOS</u></p>	<p>-</p>
<p>10</p>	<p>TELESCOPIC CHANNEL SOFT CLOSE HETTICH</p> <p>PROVIDING & FIXING TELESCOPIC CHANNEL SOFT CLOSE THE WORLD TOPPER COMPANY MADE IN GERMANY REPUTED BRAND NAME HETTICH, THE DRAWER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.</p>	<p>27</p>	<p><u>7.00</u></p>	<p><u>NOS</u></p>	<p>-</p>
<p>11</p>	<p>HINGES SOFT CLOSSING HETTICH</p> <p>PROVIDING & FIXING HINGES SOFT CLOSE THE WORLD TOPPER COMPANY MADE IN GERMANY REPUTED BRAND NAME HETTICH, THE SHUTTER ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.</p>	<p>27</p>	<p><u>6.00</u></p>	<p><u>NOS</u></p>	<p>-</p>
<p>12</p>	<p>HANDELS</p> <p>PROVIDING & FIXING HANDELS, THE WORLD TOPPER COMPANY MAKE HETTICH & QUITE REPUTED BRAND , THE SHUTTER & FECIAS ARE FOR VARIOUS USE TO MAINTAIN YOUR SPACE HEVY DUTY LOAD CAPACITY , AS PER DESIGN.</p>	<p>27</p>	<p><u>12.00</u></p>	<p><u>NOS</u></p>	<p>-</p>
<p>-</p>					<p>-</p>

Technical specifications are attached in Annexure (in excel format)**Marine Plywood**

1 Marine plywood shall be generally conforming to IS 710. Selection of timber species for manufacture of plywood shall be as prescribed in IS 710 and as far as possible a single species of timber shall be used.

2 Adhesive : The adhesive used for bonding the veneer shall be of the hot press synthetic resin, phenol formaldehyde type (BWP) and shall conform to IS 848. Extender shall not be added to the adhesive by the plywood manufactures. Fillers, if used, shall not exceed 10 percent by mass of solid content of the glue.

3 Dimensions

3.1 The dimensions of plywood boards shall be as stated.

3.2 The thickness of any board shall not exceed the number of pieces multiplied by 2.5 mm. The two face veneers in finished board shall be of the same nominal thickness.

4 Tolerances : The following tolerances in the nominal size of finished boards shall be permitted.

<i>Dimension</i>	<i>Nominal Size</i>	<i>Tolerance</i>
Length	Upto 120 cm.	+ 3 mm
	Above 120 cm.	+ 6 mm
Width	Upto 90 cm.	+ 3 mm
	Above 90 cm	+ 6 mm
Thickness	Upto 4 mm	<u>+ 10 per cent</u>
	Above 4 mm	<u>+ 5 per cent</u>

5 Sampling : The method of drawing representative samples and criteria for conformity shall be as prescribed in IS 7638.

6 Marking : Each plywood board shall be legibly and indelibly marked or stamped with following particulars along with such other marks as the purchaser may stipulate at the time of placing order.

- Manufacturer's name, initials or recognized trade mark, if any.
- Year of manufacturing.
- Abbreviation indicating the species of timber used in each ply as indicated.
- Batch number

8 BIS Certification Marking : The plywood board may also be marked with the standard mark, governed by the BIS Act,1986.

9 Tender Sample, Inspection and Acceptance: Where samples are required to be tendered, samples (each for 2 bhk & 3 bhk) shall be submitted by the supplier, and these samples, if the tender is accepted shall constitute the standard as regards the type of timber, quality and finish.

Laminate Should be of FR+ Fire Retardant Laminates or equivalent .

Description: Halogen Free FR+ Fire Retardant Laminates that are safe, harmless, and sturdy; and should come in exquisite designs and colours. Manufactured by treating papers with specially developed fire retardant chemicals. FR+ Fire Retardant Laminates are resistant to flame. The fire retardant chemical used is halogen free hence it significantly reduces the risk of toxic smoke.

Class-I Fire Rating: FR+ Fire Retardant Laminates should be approved by Warrington fire laboratory, UK, as per BS-476 standard and is also tested as per ASTM E-84 Standard

The product passes Class-I Fire Rating & only fire retardant adhesive and substrates to be used. Class-I Fire Retardant Laminates do not allow fire to spread further, once the source is removed and extinguishes itself within a stipulated time Significantly reduces the risk of toxic smoke

- FR+ Fire Retardant Laminate must be bonded with Plywood with appropriate fire rating. Fire Rated glue is only recommended.

Optimum conditions for use: High Pressure Laminates should be properly conditioned to the ambient conditions of the surroundings before they are used. For eg., High Pressure Decorative Laminates and the substrate need at least 48 hours to get acclimatised. Provision should be made for the circulation of air around the components.

Recommended conditioning temperature is about 24°C. Laminates should be conditioned at 45% to 55% relative humidity.

Tooling: Sawing: To avoid chipping, it is important that the saw blade teeth cut into the decorative face.

Circular sawing: Always provide support to the material near the point of blade contact to avoid vibration that causes chipping. Blades with trapezoid tooth configuration and both tungsten carbide and diamond tip blades have proved to be excellent tools for sawing high pressure decorative laminates.

Routing: Routing may be done with electric or air powered carbide tip routers. Router speed should be maintained at 16000 to 22000 rpm. It is important to use a router having adequate horsepower to maintain cutting speeds (based on the type and amount of material to be cut). For special edge trimming, very high speed routers should be available which produce smooth-edge chip-free work. Sharpness of the router cutters should be maintained.

Edge-finishing: Belt sanders may be used to flush the self-edge before the laminate top is applied. However, care should be taken to direct the sanding operation away from or parallel to the decorative surface.

Protective-film: The protective film where applied should be removed as soon as the application is complete. If the film is left in place after fabrication, exposure to strong lights for a period may cause a pale residue and make it difficult to remove the protective film.

Proper bonding recommendations: The surfaces should be clean, dry, and free of oils or other contaminants, such as dust, synthetic particles, and so forth. The adhesive film should have full contact with the surface to which it is applied in order to give maximum adhesion

The adhesive should always be stirred or agitated before use. Sufficient amount of adhesive should be applied on either or both the surfaces to be bonded. When ready for bonding, the spread film of most contact adhesives will exhibit a uniform semi-gloss appearance over the entire surface of the materials to be bonded. Marked variation in appearance will generally indicate an improper or non-uniform adhesive spread. The substrate can generally be seen more readily through those areas where insufficient adhesive has been applied. If this occurs, re-coating the surfaces should achieve a uniform coating. Double coating the edges with adhesive is advisable because of the higher porosity of the substrate edge

Sufficient bonding pressure to ensure intimate contact is necessary for an adequate bond. Sufficient pressure should be applied over the entire area using as much pressure as possible without damaging

the assembly. Pinch rollers (rotary press) and heavy weighted rollers are ideal for such purposes. Hand rolling should be done from the center to the edges to ensure the removal of all air bubbles. The edges should be rolled twice

Care should be taken to follow the manufacturer's recommendations concerning the allowable tack range of the adhesive. If assembly is made before the adhesive is dry or after the allowable open time is exceeded, the bond may not have satisfactory results

Unless otherwise indicated by the manufacturer, the temperature of the gluing area and all materials should be maintained around 21°C (70°F) or above. Experience has shown that when the relative humidity is above 80% at temperatures of 21°C (70°F) or lower, moisture may condense on the surface during drying (known as blushing) and this will prevent an acceptable bond. Hot spray or forced air drying may be used to help prevent this condition

A gap of minimum 2 mm should be maintained between two laminates while pasting side by side

Warranty: under normal use & service, the material & workmanship of the products shall confirm to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of supply/installation subjected it shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper maintenance.

Quality for Tandem Box & its Fittings:It is to be ensured that Tandem Box & fittings systems provide comfort and function to buyers for as long as the furniture is used. All products should be engineered to provide for a problem-free-use of the furniture during its lifetime, which is about 20 years. As a gesture of goodwill and as long as the original purchaser is in possession of the furniture, the company should replace defective products by sending replacement parts free of charge to the address of this purchaser. To the fullest extent permitted by law, all other claims are excluded, including any related labour costs regarding removal of the defective product and/or installation of the replacement part. Improper use as well as improper operation or excessive loads are also excluded.

To obtain the free of charge replacement the client will provide the company with the defective product, a short description of the problem as well as a copy of the proof-of-purchase within 30 days of the problem occurring.

LIST OF APPROVED MAKE FOR MATERIALS

Sl. No.	Material	Approved Make
1	PLY	Green Ply, Century Ply, Euro, Marin Ply
2	Laminate	Green Ply, Century Ply, Euro, Merino
3	Fitting / Accessories	HAFELE,Grass, Hettich or equivalent
4	Toughened Glass	GSC, Pilkington, Gold Plus,S. Gobain, Aasahi

NOTE: Items not included in above list should be approved by engineer-in-charge.