

TENDER

VOLUME 1 – TECHNICAL BID

Upgradation of Acoustics: Mahatma Mandir Convention center
Gandhinagar

Office of:
Industrial Extension Bureau (iNDEXTb)
Block no. 18, 2nd floor, Udyog Bhavan, Sector 11, Gandhinagar-382 017,
Gujarat, India.

Contractor's seal & signature

**INVITATION FOR TENDER: Upgradation of acoustics: Mahatma Mandir
Convention center**

To

Dear Sir,

Sub: - Upgradation of acoustics: Mahatma Mandir Convention center

- 1) You are invited to submit your most competitive Tender along with qualification documents for the following works:-

Brief Description of works	Period of completion
Upgradation of acoustics: Mahatma Mandir Convention center	60 days from the date of Lol.
Cost of tender	Rs. 15,000/-
EMD	Rs. 8,50,000/- in the form of DD/BG
Pre Bid meeting	12/10/2018
Last Date of submission	19/10/2018

- 1) Tender forms will only be given to the contractors fulfilling the qualification norms & will again be verified on receiving the tenders.
- 2) To assist you in the preparation of your tender, we are enclosing the following:
Detailed Bill of Quantities
Instructions, Drawings & terms and conditions.
Draft Contact Agreement format, which will be used for finalizing the agreement for this contract.
- 3) You are requested to provide your offer by the date & time specified by the office.
- 4) By submitting the tender, you agree & accept that the owner reserves the right to allocate the work to most responsive bidder.

We look forward to receiving your tender and thank you for your interest in this project.

Managing Director
Industrial Extension Bureau (iNDEXTb)

Contractor's seal & signature

Instructions

SECTION –A

1) Scope of works

The Industrial Extension Bureau (iNDEXTb), Gandhinagar (Employer / Owner), invites the tenders for the Upgradation of acoustics: Mahatma Mandir Convention center as detailed in the table given bellows

Brief Description of works	Period of completion
Upgradation of acoustics: Mahatma Mandir Convention center	60 days from the date of Lol.

2) **Qualification:** - You shall provide qualification information which includes: -

- a) Total monetary value auditorium acoustics, performed for each year of the last 3 years for works similar in nature of the present work.
- b) Copy of Income tax return for last 3 years. GST registration certificates.
- c) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.

3) **To qualify for award of the work:** -

- a) As because acoustics is the essence of this work, bidder should have satisfactorily executed in last three years, as a main contractor at least three assignments of similar work of minimum 1000 seating capacity Auditorium / convention center Acoustics each having value not less than Rs.1.50 Cr or at least two assignments of similar work minimum 1500 seating capacity, each having value not less than Rs.2.00 Cr or one assignments of similar work minimum 2000 seating capacity having value not less than Rs 2.50 Cr. self-certified copy of the certificate & P. O. from the concerned should be attached. (Value of only acoustical part will be considered)
- b) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount in each case.
- c) Average annual turnover during last 3 financial years should be at least Rs. 1.75 Cr.
- d) Joint ventures are not acceptable.
- e) Even if pre-qualified, you are subject to be disqualified if: -
 - made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
 - record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

Contractor's seal & signature

4) Bid Price

- a) The contract shall be for the complete works as described in the bill of quantities, drawing and technical specifications.
- b) Corrections in bid price, if any, shall be made by crossing out with signature.
- c) Rate should be inclusive of all the inputs required like but not limited to scaffolding, hoisting, related accessories for mounting and fixing, finishing of work, work at different heights etc
- d) Rate shall be inclusive all Taxes, Duties. No taxes shall be paid separately.
- e) The rates quoted shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- f) The rates should be quoted in Indian Rupees.
- g) You shall bear all costs associated with the preparation and submission of this tender, and the owner will in no case be responsible & liable for those costs.
- h) On your own responsibility and risk, you are encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the tender.

5) Submission of tenders

a] One bidder can submit only one Tender. Submission of more than one Tender by shall automatically lead to disqualification.

b] The tender should be submitted in 2 parts, addressed to The M.D. Industrial Extension Bureau (iNDEXTb), Gandhinagar.

Part 1, "Technical Bid" will carry all the qualification documents, bidders covering letter mentioning list of documents & Cheque or DD for the EMD is to be submitted as directed by iNDEXTb.

Part 2 ,The "Price Bid" shall be submitted online only on nprocure portal

c] Tenders must be received in the office of the owner at the given address, not later than the time and date specified.

d] Any tenders received after the deadline for submission, will be rejected & no communication in this regard will be made.

6) Validity

Tender shall remain valid not less than 120 days after the deadline date specified for submission.

7) Opening of Tenders

Tenders may be opened in the presence of bidders consultants & owners.

8) Information relating the evaluation & recommendations for the award of work shall not be disclosed to any persons not officially concerned with the process, until the work is awarded to most responsive bidder.

9) Evaluation

The owner will evaluate & compare the tenders determined to be substantially responsive i.e. which

- a) Meet the technical qualification criteria specified above
- b) Are properly signed
- c) Conform to the terms and conditions, specification & drawings without any deviations.

10) Award of contract

Price bid of only those bidders will be opened who is technically qualified in technical Evaluation/ bid criteria, the price bid of bidder's price bid will be invited on-line only with the documents, which will be opened as per procedure stipulated by the employer and work will be allotted to lowest price bidder (L1).

L1 bidder will be invited for contract negotiations but in case of unbalanced rates-any rates higher/lower than estimated rates, client reserves right to negotiate with L2/L3 bidder. Decision of employers will be binding to all competing bidders. Bidders shall have no objection whatsoever in this regard.

Notwithstanding above, the Owner reserves the right to accept or reject any tender, and/ or to cancel the entire process and reject all the tenders, at any time prior to the award of work, without thereby incurring any liability or any obligation.

11) Performance Security

Total security deposit will be 10% of the job value. EMD will be the part of the deposit. 10% amount of every running bill will be hold back by the owner as a security deposit.

50% of the total security deposit will be released on completion & the balance amount will be returned on completion of period of maintenance.

The contractor can submit bank guarantee of 12 months for 5% amount against such bank guarantee entire security deposit will be released.

12) Period of Maintenance:

The "Period of Maintenance" for the work is **Twelve months** from the date of taking over possession. During the period of maintenance; the contractor will be responsible for rectifying any defects in working. This will be done by the contractor at his own expenses.

.....

QUALIFICATION INFORMATION
(To be supplied along with the tender)

1) Name & address:

1.1) Principal place of business: - _____

Power of attorney of signatory.
(Attach attested Xerox copy)

1.2)	Total value of Auditorium -	2015-2016	_____
	Acoustics performed in the last	2016-2017	_____
	Three years (in Rs. Lac)	2017-2018	_____

1.3) Work performed as prime contractor (in the same name) of a similar nature over the last three years And Information about Existing commitments and ongoing works:-

Use separate sheet

Enclose a certificate from Engineer concerned along with PO.

1.4) Name, address, & telephone No. of the bankers who may provide references if contacted by the Employer.

1.5) Information on litigation history if any on a separate sheet.

ARTICLES OF AGREEMENT

1) This deed of agreement is made in the form of agreement on _____ day _____ month _____ 201_____, between (the referred to as the **Owner / Employer**) and _____ (Name of the contractor), S/O _____ resident of _____ (hereinafter referred to as the **contractor**), to execute the work of construction of _____ (hereinafter referred to as the works) on the following terms & conditions.

2) **Cost of contract**

The total cost of the works (hereinafter referred to as the “total cost”) is Rs. _____ as reflected in Annexure -1.

3) **Payments under this contract:**

Payments to the contractor for the work will be released by the owner in the following manner:-

Mobilization advance	Nil
On pro-rata basis as per the R. A. bill(s) based on the progress of work like completion of framing, etc.. Payable amount in each R. A. bill should not be less than Rs. 50,00,000. No payment will be done for only material received at site.	As per the certified bill of the contractor.
Final bill On completion of the work & approved by the Engineer in charge / consultant.	As per the certified bill of the contractor along with certification of completion to the satisfaction.

4) Payment will be made by the owner:

- a) On the contractor submitting an invoice for an equivalent amount along with the certified copy of the bill with quantities & measurements;
- b) On certification of the invoice.
- c) Payment will be given within reasonable time after certification of the RA bills & certification of the final bill.
- d) Necessary deductions towards taxes, govt. dues, and security deposits will be done at every payment.
- e) Any delay in completion of the work, without any justified reason, will carry a penalty of 2% of order value per week, maximum up to 10%. On exceeding this limit, the owner can terminate the work without giving any reason.

5) **Notice by Contractor to Engineer**

The contractor, on the works reaching each stage of construction, issue a notice to the owner or the Engineer/ consultant nominated by the owner (who is responsible for supervising the contractor, administering the contract, certifying the payment due to the

Contractor's seal & signature

contractor, issuing & valuing variations to the contract, awarding extensions of time etc.) to visit the site for certification of the stage completion. Within 15 days of the receipt of such notice, the owner or the engineer / consultant nominated, will ensure issue of stage completion certificate after due verification.

6) Completion time

The work should be completed in specified time from the Lol (Letter of Intent) . Period of execution is including Holidays, Sundays and Event days. In exceptional circumstances, the period stated in this clause may be extended in writing by iNDEXTb.

7) If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the owner will decide on the intended completion date being extended by a suitable period:

- a. The owner does not give access to the site or a part thereof by the agreed period.
- b. The owner orders a delay or does not issue completed drawing, specifications or instructions for execution of the work on time.
- c. Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of from information provided to the contractor or from visual inspection of the site.

8) Any willful delay on the part of the contractor in completing the project within the stipulated period will render him liable to pay liquidated damages. @ 2 % of the total work value per week which will be deducted from payment due to him. The owner may cancel the contract and take recourse to such other action as deemed appropriate, once the total amount of liquidated damages exceeds 10% of the contract amount.

9) Duties & responsibilities of the owner

- a) The owner shall be responsible for providing regular & frequent supervision & guidance to the contractor for carrying out the works as per specifications. This will include written guidelines & regular site visit of the authorized personal of owner, for checking quality of material & construction to ensure that it is as per the norms.
- b) The owner shall provide drawing, specifications & guidelines to the contractor for the proposed work.
- c) Possession of the site will be handed over to the contractor within 8 days of Lol (Letter of Intent)
- d) The engineer or such other person as may be authorized by the owner shall be meeting once in a week where the contractor or his representative at site will submit the latest information including progress report & difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a day to take stock of activities.
- e) The engineer/ consultant shall record his observations/instructions at the time of his site visit in a site register maintained by the contractor. The contractor will carry out the instructions & promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the engineer's notice, the owner as well as the engineer nominated, may instruct stoppage & get the work rectified at the cost of the contractor.

10 Duties & Responsibility of the contractor.

The contractor shall:

- a) Take up the works & arrange for its completion within the period stipulated in clause 5.
- b) Employ suitable skilled persons to carry out the works;
- c) Regularly supervise & monitor the progress of work;
- d) Abide by the technical suggestions / direction of supervisory personal including engineers etc. regarding the work;
- e) Responsible for bringing any discrepancy to the notice of the representative of the owner & seek necessary clarification;
- f) Ensure that work is carried out in accordance with specifications, drawing & within the total of the contract amount without any cost escalation;
- g) Keep the owner informed about the progress of work;
- h) Be responsible for all security & watch & warned arrangements at site till handing over the work to the owner
- i) Maintain necessary insurance against loss of material / cash etc. or workman disability compensation claims of the personal deployed on the works as well as third party claims.
- j) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (Owner will effect deduction from bill in respect of such taxes as may be imposed as may be under the law)
- k) Daily and Weekly Progress report shall be prepared and submitted to iNDEXTb from date of commencement of work
- l) Addressing and resolving any type of incidental expenses will be in Contractor's scope of works. Provision of tools-tackles, equipment/machines etc. will be in contractor's scope. The contractor has to arrange for the items to efficiently accomplish the works as part of the contract which includes but not limited to gadgets, safety equipment, spares, measuring devices, tools, tackles, ladders, ropes, pulleys, racks, hydraulic lifts, etc.
- m) Compliance of safety rules and regulations during execution. Observing all safety precautions and ensuring safety of men, material, machinery and all installations will be in contractor's scope during the contract period.
- n) Contractor to ensure that in any case no damage is caused to the environment while executing the Project. No any kind of damage to existing structures, surrounding area. If found any, the contract has to rectify the same without any extra cost.
- o) After carrying out execution works, contractor has to do Third Party Testing for Acoustic performance and system and submit certification to iNDEXTb.

10. Variations / Extra Items

The works shall be carried out by the contractor in accordance with the approved drawing & specifications or directives from the engineer / consultant in –charge. However, if, on

Contractor's seal & signature

account of site condition or any other factors, variations are considered necessary, the following procedure shall be followed:

- a) The contractor shall provide engineer with a tender for carrying out the variation when requested to do so by the engineer. The engineer shall assess the tender which shall be given within seven days of the request before the variation is ordered.
- b) If the tender given by contractor is unreasonable, the engineer/ consultant may order the variation & make a change to the contract price which shall be base on engineer's own forecast of the effects of the variation on the contractor's costs.
- c) The contractor shall not be entitled to additional payment for cost which could have been avoided by giving early warning.
- d) Contractor shall not execute the extra/additional work without prior written approval of the Client/Professional Advisor. Any extra item if executed must have written consent of the concerned decision maker and to be submitted with detail cost analysis.
- e) Items which are not part of BOQ and if they occur during the time of execution will be treated as extra item, rate of the same will be analyzed by Client/PMC after submission of rate analysis by Contractor considering 15% as overheads and profit (including charges for TEP as well as water and electrical charges). Material supply costs shall also be submitted by Contractors along with Rate analysis.
- f) Variation In quantity And Payment For Additional Items - Employer will negotiate with the contractor for the price of such excess quantities beyond 30% of the approved BOQ quantities without written orders from the employers representative and any violation to this shall lead to non – payment to the contractor.

11. Securities

The Performance Security will be released as per the clause given under performance security.

12. Termination

- 13.1) The owner may terminate the contract if the contractor causes a fundamental breach of the contract.
- 13.2) Fundamental breach of contract include, but shall not be limited to the following
 - (a) The contractor has stopped the work for 7 days & stoppage has not been authorized by the engineer/ consultant.
 - (b) The contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
 - (c) The engineer/ consultant gives notice that failure to correct a particular defect is a fundamental branch of contact & the contractor fails to correct it within a reasonable period of time determined by the engineer/ consultant.
 - (d) The contractor does not maintain proper safety & security at the site.
- 13.3) If the contract is terminated the contractor shall stop work immediately, make the site safe & secure & leave the site as soon as reasonably possible.

14. Payment upon Termination

14.1 If the contractor is terminated because of a fundamental breach of contract by the contractor, the engineer/ consultant shall issue a certificate for the value of the work done less advance payment given up to the date of the issue of the certificate, less than other recoveries due in terms of the contract, less taxes due to deducted at sources as per applicable law.

14.2 If the contract is terminated at the Employer's convenience, the engineer / consultant shall issue a certificate for the value of the work done, the responsible cost of removal of equipment, repatriation of the contractor's personal employed solely on the works & the contractor's costs of protecting & securing the work & less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract & less taxes due to be deducted at source as per applicable law.

15. Dispute settlement

If the Bidder is not satisfied by the decision of the Engineer –in –Charge regarding the interpretation of the conditions of contract or of the specifications or rates payable for variations in quantities of items/resources/manpower/spears/materials to be Serviced/operated/maintained/repaired or any other commercial / financial claim, Bidder can refer the disputes to the Statutory Gujarat Public Work Disputes Arbitration Tribunal, as per the provisions of the Gujarat Public Work Disputes Arbitration Act of 1996.

16. Additional conditions

- a) Electricity and water for the Work shall be supplied by the Owner at one point, to the bidder working on Site. The cost of all electricity and water consumed by the Bidder shall be refunded to the Owner according charges made by the Landlord or related Authorities.
- b) After the bids have been received as per terms and conditions, the bids, which do not contain prescribed amount of EMD or/and tender fees, their tender papers shall be returned back unopened for which no objection shall be entertained. Those bids, which fulfill the criteria, shall only be opened.
- c) Pre bid Queries and Meeting
 - i. A prospective bidder requiring any clarification of the bidding documents may notify iNDEXTb in writing at iNDEXTb's address indicated in this Bid. iNDEXTb will respond to any request for clarification which he receives prior to holding of Pre-Bid Meeting. Copies of iNDEXTb's response will be forwarded to all recipients of the Bid documents, including a description of the enquiry but without identifying its source.
 - ii. Any modification of the bid document, which may become necessary as a result of the pre-bid meeting, will be made by iNDEXTb exclusively through the issue of an Addendum / Corrigendum pursuant to relevant clause.
 - iii. The Addendum / Corrigendum will be published on the website(s) where the original tender is uploaded and made available for reference to prospective bidders. No separate communication to bidding agencies having participated in the pre-bid meeting or any advertisement in the publications would be made. Prospective bidders will have to visit the websites for addendum / corrigendum.

- iv. The amendment/addendum shall be part of the Bidding Documents pursuant to relevant Clause and shall be sent by iNDEXTb in writing by mail or by fax followed by copies by mail to all bidders who have received the Bidding Documents, and shall be binding on them. Prospective bidders shall promptly acknowledge receipt thereof to iNDEXTb by Fax.
- v. The bidders shall duly sign and return the amendments/addenda along with their Bids, which shall form part of their Bids and there after shall become an integral part of the contract.

d) Priorities of Documents

In the event of any discrepancy in the several documents forming the contract or in any one documents, the following order of precedence should apply:

(a) Dimension and quantities : (i) Drawings (ii) Price bid of the Tender (iii) Technical specifications.

On drawings, figure dimensions, unless obviously incorrect, will be followed in preference to scaled dimensions.

(b) Description : (i) Price bid of the Tender (ii) Drawings (iii) Technical specifications.

e) Opening of Price proposals

The contractors' names, the bid Prices, the total amount of each bid, and discounts and such other details as the Employer may consider appropriate, will be announced and recorded by the Employer at the opening. The bidder's representatives will be required to sign this record.

f) The tender is likely to be rejected if on opening it is found that:

- The bidder has not strictly followed the procedure laid down for submission of tender.
- Any page or pasted slips are missing
- The bidder has not signed the forms and documents.
- The bidders have not attached the addendum to the main tender form as stated in tender conditions.
- In case the technical proposal of bidder who has quoted lowest price and who has satisfied other criteria is not conforming to the stipulations made, the bidder without revising the cost shall modify the same to conform to the stipulations. If the bidder refuses to modify this then the tender shall be treated as non-responsive and rejected.
- The bidder has quoted financial offer anywhere other than specified in Financial Bid.

g) Force Majeure

Force Majeure is herein defined as any cause which is beyond the control of iNDEXTb or work contractor, as the case may be, which they could not foresee or with a reasonable

amount of diligence could not have foreseen and which substantially affects the performance of the Contract, such as:

- Natural phenomena, including but not limited to floods, droughts, earthquakes and epidemics;
- Acts of any Government, domestic or foreign, including but not limited to war, declared or undeclared, priorities, quarantines, and embargoes.

Provided either party shall within fifteen (15) days from the occurrence of such a cause notify the other in writing of such causes.

Work contractor or iNDEXTb shall not be liable for delays in performing their respective obligations resulting from any Force Majeure cause as referred to/ defined above.

- h) The bidder must keep the site clean, tidy and dry at all times and free from rodent or other infestation. Rubbish and debris shall be removed by the bidder on a daily basis and will not be permitted to accumulate either on site or in any other area within the base building except areas as agreed with iNDEXTb.
- i) Payment at Reduced rates

The rates for items of works shall be valid only when the items concerned is accepted as having been completed fully in accordance with the sectional specifications, In cases where the items of work are accepted as not so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in preparation of final or on account bill.

16. SPECIAL CONDITIONS OF CONTRACT

1. Technical data / detail & specifications if not tally, the same are to be clarified with the Consultants.
2. The owner reserves the option to allot the work partly or totally to single or different Contractors. The owner also reserves the right to supply some of the material. The scope of work for such items will be limited to erection only.
3. The owner / Consultants reserve the right to call explanations from any bidder regarding the calculations / clarifications on any details. They may also visit the office of the bidder / various works carried out by him. The necessary cooperation in this regard is envisaged from the bidder.
4. The bill of quantities indicated, are approximate & are liable to change at the discretion of the owner / consultants or as per site conditions. Payment will be released as per actual measured quantities irrespective of percentage increase or reduction with BOQ, amendment in PO will not be required for such payment.
5. The Contractor is responsible for the due & proper execution of all the works, terms & conditions stipulated under this Contract. He must explain the designs & satisfy himself of the feasibility. The contractor will be completely responsible for all kind of safety, security at site & structural stability of the work executed as well as under execution. The responsibility of guarantying the inside conditions lies with the Contractor.
6. The bidders shall make no changes in the form or in the specifications & schedule. The bidders may however submit alternative proposals, in separate enclosures, indicating any variation

Contractor's seal & signature

- whichever they feel is beneficial for the project. Calculations, salient features, advantages, economics, layout shall back the same. Acceptance of the alternate proposal & rests will be the exclusive right of the client & Consultants.
7. The Consultant / their representatives shall have access to the workshop /Manufacturing facilities of the successful bidder so as to assure themselves of the quality of the material & workmanship.
 8. The successful Contractor shall submit a detailed bar chart within 7 days of award of work.
 9. The measurement given in drawing is subject to verification at site. In case of any discrepancy, the same shall be brought to the notice of both, the engineer in charge & Consultants for the decision.
 10. The paneling will be measured for payment as finished paneling only. Frame work taken up to ceiling or wall for supports will not be measured & will not be paid.
 11. The mock up :
 - a) The contractor shall erect mock up of each type of paneling or repetitive item & proceed with final work after getting approval in writing from the Consultants.
 - b) The disapproved mock up unit shall be removed by contractor, immediately.
 - c) No extra cost will be paid to the contractor for erection of any such mock up, modification of it or for removal of mock up.
 12. In order to complete the work, within the time limit, the contractor may have to work in more than one shift.
 13. The contractor shall make their own arrangements for security of their materials / tools etc.
 14. In case of not availability of specified materials in the market, the contractor may substitute by equivalent materials of same quality & technical properties, after duly approved by the Consultant.
 15. Client / Consultants reserve the right to split the items and scope of work before awarding the contract without assigning any reason thereof.
 16. In case of any controversy, the decision of the Owner /Consultants shall be final & binding on contractor.
 17. Verbal instructions given by the Consultant, if any, will be confirmed in writing by the contractor within 7 days & before execution thereof.
 18. At least one engineer, of the contractor, capable of understanding all the technical points & act accordingly, should be available on site all the time.
 19. The contractor along with his technical staff should be present at site at the time of site-visit of the Consultants & whenever needed.
 20. The Client may require this hall for few days in between for some important program, contractor should secure the hall for such program, remove all his material and scaffolding outside of the hall, no additional payment or time will be given for this.

17 TECHNICAL SPECIFICATIONS

1. All the materials to be used shall be as specified in the tender, of the best quality confirming to relevant I. S. code & approved by the Consultants.
2. All the timber used shall be of as per sample approved, with moisture contain as per I.S. standards & well-seasoned, free from knots, cracks, warps, and other defects and shall be treated against white ants with Aldrex – Aldrin or equivalent chemicals, as per specifications of the manufacturers (minimum 2 coats).
3. Rate of all items include the cost of finishing timber with synthetic enamel paint / spirit / wax polish /melamine as specified to match with surrounding surface. The decision of the Consultants on the nature of finishing shall be final and binding on the contractor without any extra cost.

4. All particle boards / ply sheets both marine and veneered block boards (Phenol bonded) will be water proof quality with ISI mark ISO – 9001 of approved 1st class manufacturers like Indian Plywood, Green, Euroboard, Goyal, products / Anchor or equivalent. As per I.S. 710.
5. Glue shall be Fevicol / Vamicol or equivalent brand and approved product. All glue joints shall be pressed / till glue has dried thoroughly and confirming to IS 848.
6. The contractor shall obtain the approval regarding shade, quality, type & make of color in respect of paint and polish, fabric from the Consultants before purchasing. The contractor, if required, shall produce the reasonable number of samples and submit the same.
7. All unexposed surface of paneling / ceiling will have coat of primer and polish as specified or directed by the Consultants.
8. Laminates if any, to be used in paneling shall be of 1.5mm thick from ISI mark ISO – 9001 of approved 1st class manufacturers
9. The frame work for false ceiling / paneling etc. shall be laid in true line, level in both the directions, the wooden scantlings shall be straight and fixed rigidly with screws of appropriate size, at appropriate distance as directed at required level. The framework shall be painted with two coats anti – termite solution or Black Japan before the same is covered with ceiling / paneling boards etc.
10. The G. I. suspenders for false ceiling shall be straight and fixed rigidly to R.C.C. structures / slab / roof truss / purlin or wood support etc.
11. All the G.I. suspenders, ceiling sections, perimeter channels, intermediate channels, ceiling angles, connecting clips, soffit cleats etc. used for wall paneling & ceiling should be as specified by the manufacturers 'India Gypsum Ltd' (GS-MFSC-4.1) Or Anutone acoustics Ltd. & as per directions given by the Consultants.
12. The gypsum plain panels & gypsum fully perforated panels if any are installed as per OEM details, Fixing of these panels, filling joints, finishing & painting should be done as per the manufacturer's specifications & directions given by the Consultants. I.S. 2542 & 2095
13. The synthetic-wool insulation shall be of FR grade & made of fine, long fibers thermally bonded. The synthetic-wool make Mikron/ Anutone/ Conceptive or equivalent and confirming to relevant I.S. specifications will be of density specified in B.O.Q.
14. Agro-wood paneling, polishing, should be done as per the directions of the manufacturer Andaman Timber. Polish should be applied after cutting & to all the surfaces.
15. The fabric to be used should be of required acoustical grade & as per approved samples.
16. All the hardware to be used will have to be approved from the Consultants.
17. Hardware fittings shall be from approved manufacturers and shall be confirming to respective I.S.I. specifications.
18. Paint shall be Asian / ICI / Garware / Jenson & Nicolson or equivalent. The rates of items shall include the cost of primer, preparation of proper surface by sand papering, filling with required grade putty, two coats of paints and removing of stains on floors, walls, ceiling and other movable items.
19. Different types of paints may require for different surfaces & contractor should follow the specifications & directions given by the Consultants about this.
20. Melamine polish – preparation of surface – filling grain completely with putty made of whiting powder with required strainer and Acrypol N 83 (Pidilite Ind. Ltd.) Sand & Surface mildly with 120/150 Emery paper softer drying for 15 min. polishing – 1. Mix Acrypol SP 85 matt in equal proportions. Spray the mixture uniformly with a spray gun at a pressure of 30 psi. 2. Allow it to dry for 6 – 8 hrs. 3. Sand surface with 120 / 150 Emery paper. 4. Repeat 1, 2 and 3 for two more coats up to required surface or approved by the Consultants.
21. The rates quoted for various items shall be inclusive of the cost of necessary framework, scaffolding, lifting of materials etc. As the work is proposed to be executed at various heights, no extra claim shall be entertained on account of execution of work at various heights / floor. The measurement of items included in this work shall not be taken and paid separately for different floor levels and varying heights.

22. Supply of required power will be provided at main DP in control room by the client.
23. The work shall be carried out as per specifications. Any deviations from the Specifications, either on account of manufacturing or installation practices or for any other reasons, shall be clearly mentioned in the separate letter explaining in detail each and every departure the contractor proposes to make from the specifications. Unless specifically mentioned it will be considered that the bidders agrees to supply all materials as specified. All the deviations shall be subject to the approval of the consultants.
24. The contractor shall guarantee that all the work done shall be free of defects and performance and efficiencies shall not be less than the specified values.
