

**INVITATION FOR QUOTATIONS (RFQ) FOR CONSTRUCTION OF
CIVIL WORKS UNDER SHOPPING PROCEDURES**

To

Dear Sirs,

Sub : INVITATION FOR QUOTATIONS FOR **Modernisation of classroom to smart classroom at Madras Veterinary College – 1 No.** (IN-TANVAS CHENNAI-177944-CW-RFQ).

1. You are invited to submit your most competitive quotation for the following works:-

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion
Modernisation of classroom to smart classroom at Madras Veterinary College – 1 No	Rs. 20,00,000/- (Rs. Twenty Lakhs only)	60 days after signing the contract

2. Government of India has received a financing from the International Bank of Reconstruction and Development (IBRD) towards the cost of the National Agricultural Higher Education Project (NAHEP) and intends to apply part of the proceeds of this Loan to eligible payments under the contract for which this invitation for quotations is issued.
- 3¹. The NAHEP Project is being implemented by Indian Council of Agricultural Research (ICAR), which is an autonomous society registered under the Societies Registration Act.
4. To assist you in the preparation of your quotation, we are enclosing the following :
- i. Layout Drawings of the works; - Not applicable
 - ii. Structural Details; - Not applicable
 - iii. Detailed Bill of Quantities, with estimated rates and prices; Provided
 - iv. Technical Specifications; Provided
 - v. Instructions to Bidders (in two sections). Provided
 - vi. Draft Contract Agreement format, which will be used for finalizing the agreement for this Contract. Provided
 - vii. Labor Management Plan with two annexures - Provided
5. You are requested to provide your offer latest by 03:30 PM hrs. on 14/09/2020.

¹ Delete if inapplicable

6. Quotations will be opened in the presence of Bidders or their representatives who choose to attend at 04:00 PM on 14/09/2020 in the office of IDP Coordinator, Madras Veterinary College, Chennai - 7.
7. We look forward to receiving your quotations and thank you for your interest in this project.

Professor & Head and IDP Coordinator

Name: J. John Kirubaharan

Address: Professor & Head, IDP Coordinator
Department of Vet. Microbiology
Madras Veterinary College
Chennai – 600 007

Tel. No: 91-44-25304000 Ext 2054

Fax No. 91-44-2362787

E mail : idp@tanuvas.org.in

Instructions to Bidders

SECTION - A

1. Scope of Works

The Professor & Head and IDP Coordinator invites quotations for the construction of works as detailed in the table given below

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion
Modernisation of classroom to smart classroom at Madras Veterinary College – 1 No	Rs. 20,00,000/- (Rs. Twenty Lakhs only)	60 days after signing the contract

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder : The bidder shall provide qualification information which shall include :-

- (a) total monetary value of construction works performed for each year of the last 3 years :
- (b) Income tax clearance certificate from the concerned IT circle;
- (c) Report on his financial standing; and
- (d) 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 contract the bidder:-

- (a) should have satisfactorily completed as a prime contractor at least one similar work of value not less than Rs. 500,000 in the last three years;
- (b) should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);
- (c) should possess required valid license for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);

4. Bid Price

- a) The contract shall be for the whole works as described in the Bill of quantities, drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.
- c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- d) The rates should be quoted in Indian Rupees only.

5. Submission of Quotations

- 5.1 The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the quotation.
- 5.2 Each bidder shall submit only one quotation. Conditional quotations are not accepted.
- 5.3 The quotation submitted by the bidder shall comprise the following :-
 - (a) Quotation in the format given in Section B.
 - (b) Signed Bill of Quantities
 - (c) Filled up and signed Technical specification and Schedule
 - (d) Qualification information form given in Section B duly completed
 - (e) Signed Labor Management Plan
- 5.4 The bidder shall seal the quotation in an envelope addressed to the **Professor & Head and IDP Coordinator, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 600 007**. The envelope will also bear the following identification :-
 - Quotation for **Modernisation of classroom to smart classroom at Madras Veterinary College – 1 No**
 - Do not open before **14/09/2020 4:00PM**
- 5.5 Quotations must be received in the office of the **Professor & Head and IDP Coordinator, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 600 007** not later than the time and date given in the letter of invitation . If the specified date is declared a holiday, quotations shall be received upto the appointed time on the next working day.

5.6 Any quotation received by the **Professor & Head and IDP Coordinator, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 600 007** after the deadline for submission of quotations will be rejected and returned unopened to the bidder.

6. Validity of Quotation

Quotation shall remain valid for a period not less than 45 days after the deadline date specified for submission.

7. Opening of Quotations

Quotations will be opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in the letter of invitation.

8. Information relating to evaluation of quotations and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

9. Evaluation of Quotations

The Employer will evaluate and compare the quotations determined to be substantially responsive i.e. which

- (a) meet the qualification criteria specified in clause 3 above;
- (b) are properly signed ; and
- (c) conform to the terms and conditions, specifications and drawings without material deviations.

10. Award of contract

The Employer will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price and who meets the specified qualification criteria.

10.1 Notwithstanding the above, the Employer reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

10.2 The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the quotation validity period.

11. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to the **Professor & Head and IDP Coordinator, Department of Veterinary Microbiology, Madras Veterinary College, Chennai – 600 007** the performance security (either a bank guarantee or a bank draft in favour of the Employer) for an amount equivalent of 3 % of the contract price. The Performance Security shall be valid till the expiry of the period of maintenance of the work, specified in clause 12.

12. Period of Maintenance :

The “Period of Maintenance” for the work is six months from the date of taking over possession or one full monsoon season whichever occurs later. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

13. Purchase of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

14. Questions should be addressed only to the email address – idp@tanuvas.org.in.

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SECTION - B

- 1. Format for Qualification Information.**
- 2. Format for Submission of Quotation.**

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

Power of attorney of signatory of Quotation.
[Attach copy]

1.2 Total value of Civil Engineering 20____ _____
 construction work performed in the last 20____ _____
 three years (in Rs. Lakhs) 20____ _____

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last three years.

<u>Project Name</u>	<u>Name of Employer</u>	<u>Description of work</u>	<u>Contract No.</u>	<u>Value of contract (Rs.Lakhs)</u>	<u>Date of issue of work order</u>	<u>Stipulated period of completion</u>	<u>Actual date of completion</u>	<u>Remarks explaining reasons for delay and work completed</u>

Existing commitments and on-going works:

<u>Description of Work</u>	<u>Place & State</u>	<u>Contract No. & Date</u>	<u>Value of Contract (Rs. Lakh)</u>	<u>Stipulated period of completion</u>	<u>Value of works* remaining to be completed (Rs. Lakhs)</u>	<u>Anticipated date of completion</u>
(1)	(2)	(3)	(4)	(5)	(6)	(7)

* Enclose a certificate from Engineer concerned.

1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work
*	*	*	*
*	*	*	*
*	*	*	*

1.5 Evidence of access to financial resources to meet the requirements of working capital : cash in hand, lines of credit, etc. List them below and attach copies of support documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status

QUOTATION

*Description of the Works : **Modernisation of classroom to smart classroom at Madras Veterinary College – 1 No**

To:

Subject : Construction of
.....

Reference : Letter No.....dated.....from.....

Sir,

We offer to execute the Works described in your letter referred to above in accordance with the Conditions of Contract enclosed therewith at percentage above / below the estimated rates, i.e., for a total Contract Price of -

Rs. ** _____ [in figures]

Rs. _____ [in words].

This quotation and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any quotation you receive.

We hereby confirm that this quotation is valid for 45 days as required in Clause 6 of the Instructions to Bidders.

Yours faithfully,

Authorized Signature : _____ Date: _____

Name & Title of Signatory : _____

Name of Bidder : _____

Address : _____

* To be filled in by the Employer before issue of the Letter of Invitation.

** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

**LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK**

(LETTERHEAD OF THE EMPLOYER)

Dated : _____

To : _____ [Name and address of the Contractor]

Dear Sirs,

This is to notify you that your Quotation dated _____ for execution of the _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of Rs. _____ (equivalent to 3% of the contract price) within 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of(Employer) shall be valid till the expiry of the period of maintenance i.e. upto _____. Failure to furnish the Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security, contract for the above said work stands concluded.

Yours faithfully,

**Authorized Signature
Name and title of Signatory**

Draft Agreement form for Construction through National Shopping

ARTICLES OF AGREEMENT

This deed of agreement is made in the form of agreement on _____ day _____ month _____ 199 __, between the _____ (Employer) or his authorized representative (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. Cost of the Contract

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

3.1 Payments under its contract:

Payments to the second party for the construction work will be released by the first party in the following manner :-

On signing of agreement	:	25% of total cost
On arrival of materials at site	:	25% of the total cost
On completion of 75% of work as certified by the Engineer	:	25% of the total cost
Full completion or work as certified by the Engineer	:	25% of the total cost

3.2 Payments at each stage will be made by the first party :

- (a) on the second party submitting an invoice for an equivalent amount ;
- (b) on certification of the invoice (except for the first installment) by the engineer nominated by the first party with respect to quality of works in the format in Annexure - 2; and
- (c) upon proper and justified utilization of at least 50 % of the previous installment and 100 % of any prior installment.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, issue a notice to the first party or the Engineer nominated by the first party (who is responsible for supervising the contractor, administering the contract, certifying the payments due to the contractor, issuing and valuing variations to the contract, awarding extensions of time etc.), to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in _____ (months/weeks/days) from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period :

- a) The first party does not give access to the site or a part thereof by the agreed period.
- b) The first party orders a delay or does not issue completed drawings, 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 acceptance and from information provided to second party or from visual inspection of the site.
- d) Payments due to the second party are delayed without reason.
- e) Certification for stage completion of the work is delayed unreasonably.

7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. * _____ per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2 % of the contract amount.

(Note : The amount of liquidated damages per day should be determined at 0.05 % of the contract value of the works and indicated here).

8. Duties and responsibilities of the first party

8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will

include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.

- 8.2** The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.
- 8.3** Possession of the site will be handed over to the second party within 10 days of signing of the agreement.
- 8.4** The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.
- 8.5** The Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and 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 first party as well as the engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

9. Duties and responsibilities of the second party

- 9.1** The second party shall :
 - a) take up the works and arrange for its completion within the time period stipulated in clause 5;
 - b) employ suitable skilled persons to carry out the works ;
 - c) regularly supervise and monitor the progress of work ;
 - d) abide by the technical suggestions / direction of supervisory personnel including engineers etc. regarding building construction ;
 - e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification ;
 - f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation ;
 - g) keep the first party informed about the progress of work ;
 - h) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party ; and

- i) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims.
- f) Pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law).

10. Variations / Extra Items

The works shall be carried out by the second party in accordance with the approved drawings and specifications. However, if, on account of site conditions or any other factors, variations are considered necessary, the following procedure shall be followed:-

- a) The second party shall provide the Engineer with a quotation for carrying out the Variation when requested to do so by the Engineer. The Engineer shall assess the quotation, which shall be given within seven days of the request before the Variation is ordered.
- b) If the quotation given by the second party is unreasonable, the Engineer may order the Variation and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the Variation on the Contractor's costs.
- c) The second party shall not be entitled to additional payment for costs which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

- 12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 12.2 Fundamental breaches of Contract include, but shall not be limited to the following:
 - (a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;
 - (b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
 - (c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;

(d) the Contractor does not maintain a security which is required;

12.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

12.4 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination

13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.

13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Superintending Engineer, PWD to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

BILL OF QUANTITIES

Sl.No	Description of work	Qty	Unit	Estimate Cost		Amount
				In figure	Words	
A	CIVIL WORKS					
1	Providing post construction anti termite treatment and creating a chemical barrier to the building by drilling holes at wall junctions at a space of 30cm and 25mm dia holes and injecting chemical emulsion of required concentration under flooring all-round the building excavating the trenches 0.4m x 0.4m and drilling holes. The chemical to be used as insecticide for the treatment shall be biflex TC, TC stands for termicide centrate (Bifentrin etc., complete)	170.00	M2	150.00	Rupees one hundred and fifty only	25,500.00
2	Labour charges for removal of existing damaged plywood partition and clearing the debries from the site etc., complete. As per the engineer incharge direction	15.00	M2	100.00	Rupees one hundred only	1,500.00
3	Removal of existing flush door shutter and refixing the same after making view panels by using 4mm thick plain glass to a size of 0.30m x 0.6m with 12mm teak wood beading in correct position and alignment etc., complete. The rate including the cost of all materials, rails etc., complete	10.00	M2	580.85	Rupees five hundred and eighty and eighty five paise only	5,808.50
4	Removing the existing aluminium window including removal of frames, hinges and fastening and handed over to the department stores etc, complete.	13.00	M2	104.70	Rupees one hundred and four and seventy paise only	1,361.10
5	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125 GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the	13.00	M2	6363.00	Rupees six thousand three hundred and sixty three only	82,719.00

Sl.No	Description of work	Qty	Unit	Estimate Cost		Amount
				In figure	Words	
	frames. The window should be got approved from the Executive Engineer before use on work					
6	Supply and fixing of Roller blinds of required size with proper alignment and fixing on the wall by using proper mounting brackets. The rate includes labour charges, bidirectional warp spring clutch, plastic steel ball chain, roller tubes, fabric adhesive strip, cassette mounting brackets etc. The shade fabrics should be got approved by the departmental Engineer i/c. complete complying with standard specification	23.00	M2	1600.00	Rupees one thousand six hundred only	36,800.00
7	Supplying and fixing of Acoustic Float on ceiling/ techno float ceiling of size 1200mm dia circular board of thick ness 30mm made from nonwoven polester fiber material. The rate includes the cost of the acoustic float, necessary fittings, hanging materials etc with all necessary fittings complete.	3.00	Nos	8750.00	Rupees eighty thousand seven hundred and fifty only	26,250.00
8	Provide wall panelling Techno Acoustic PET 0.75" Acoustic board, NRC for the products ranges between 0.85 - 0.9 as tested by ARAI in standard conditions over the fiber fill 500 grains 50+mm Thermal bonded (Damping 500 hz - 2 khz) filled / inserted between PET boards and wall gap by using mounted frame work (Polimer coated Brazalian pine wood reapers dimensions 50mmX25mm or 2.00" x 1.00") as an damping structure for lower fequences 25 hz - 300 hz (Non chattering) in correct position and alignment with neat finally etc. The rate including the cost for all materials and labour for installation hardware items, transportation charges, lead and lift etc., complete.	177.00	M2	2486.00	Rupees two thousand four hundred and eighty six only	4,40,022.00
9	Painting two coats of Interior emulsion paint over one coat of exterior primer using best quality and approved colour of paint, brushes, scaffolding charges etc. complete complying with standard specification. Paint, primer and colour have to be got approved by department Engineers.	205.00	M2	207.48	Rupees two hundred and seven and forty eight paise only	42,532.58
10	Painting the old wood work two coats of enamel paint of approved quality and colour over one coat of primer, etc. complete complying with standard specification. (The paint to be used on work should be got approved by the Engineer-in-charge before use on work) to be used on work should begot approve dby the Engineer-in-charge).	25.00	M2	200.13	Rupees two hundred and thirteen paise only	5,003.35
11	Provision for wood ramp of required slope of size 1.20mX 1.80m. The side of the ramp to be provided with handrails for physically challenged person usage. The top of the ramp must be anti skid in nature. The ramp shall be made of 19mm thick chequered type plywood. For support handrails made of 50mm dia 304 stainless steel pipe shall be	1.00	No.	20000.00	Rupees twenty thousand only	20,000.00

Sl.No	Description of work	Qty	Unit	Estimate Cost		Amount
				In figure	Words	
	used for verticals to be placed at 90cm c/c. The rate includes cost of materials, conveyance and fixing in the floor by drilling holes and finishing the same after works etc., complete					
12	supplying of digital podium with audio facilities. The provision includes Compact, versatile and easy-to-assemble wireless Lectern Amplifier with built in 40W amplifier. Contains a built-in speaker system consisting of 3nos. 6.5" (165mm) coated dual cone speakers. Provision given for connecting external speaker, if required. Supplied with a detachable gooseneck condenser microphone and a reading light for the podium top. Contains a built-in VHF wireless diversity receiver. High quality VHF handheld wireless transmitter supplied. (Available in different frequencies). Provision for connecting a wired microphone through a 6.3mm phone jack or a line source through an XLR connector. Handheld wireless transmitter & gooseneck podium microphone have voice priority over all other inputs. This feature can be switched ON or OFF through a slide switch. Built in digital recorder cum MP3 player, which can record on USB pen drives or SD cards. Facility for connecting a stereo auxiliary source through L&R RCA plug. It accepts four different sensitivities of auxiliary signal which are selectable through a slide switch. Separate output connectors for LINE OUT & REC OUT through mini male XLR & 6.3mm phone socket respectively, allowing the lectern system to be connected to external amplifiers for further amplification, if required. Tonal adjustment can be done through cut-boost type Bass & Treble controls. Rugged & stable floor standing base. Can be fixed to the floor with brackets (provided), if required. Operates on 240V 50Hz mains supply. Some assembly by the customer required. RECEIVER AMPLIFIER: Input Channels Sensitivity: Mic-1: 3.0mV, Mic-2: 1.8mV, Line: 100mV, Aux Position-1: 100mV, Aux Position-2: 180mV, Aux Position-3: 300mV, Aux Position-4: 700mV. REC. Output: 1V (nominal). Handheld wireless Transmitter: Microphone: Dynamic Unidirectional, Frequency Stability: ±0.005%, Spurious Emissions: 45dB (max.), RF Output Power: 15mW (max.), Dynamic Range: 100dB, Battery: 9V, Dimensions: Ø55 × L244 mm as per the engineer instruction etc., complete	1.00	No.	50000.00	Rupees fifty thousand only	50,000.00
13	Supply and erection of interactive digital board of model IPFDD86B with following features like built in android system to support mini PC for windows, Shall be compatible with microsoft human interface device protocol, shall be with touch function without driver installation, LED backlight, with multi touch based on advanced infrared sensor	1.00	No.	450000.00	Rupees four lakhs	4,50,000.00

Sl.No	Description of work	Qty	Unit	Estimate Cost		Amount
				In figure	Words	
	technology 10 point touch to entrance the productivity etc complete . Technical Specification: Model IFPD868, with LED back light, IPS panel technology, 86 inch screen size, with audio input and output, two number 20w speaker, media file supporting MPEG1,MPEG2,MPEG4, H264, Rm, RMVB, MOV, MPEG, VCI, DIVX, FLV, Audio:WMA, MP3, M4A(AAc). It shall have Anti glare toughned glass with IR touch screen sensor.					
					Sub total	11,87,496.53
B	ELECTRICAL WORKS					
1	Supply and clamping of 3 ½ x 50 sq.mm. PVC LTUG cable on post or on wall with MS clamp with earth connection complete.(Make: ISI approved cable only)	25.00	Mtrs	570.00	Rupees five hundred and seventy	14,250.00
2	Supply and fixing of bress cable for 3 ½ C x 50 Sq.mm. PVC armoured LTUG cable with earth with connection complete.	2.00	Mtrs	353.00	Rupees three hundred and fifty three only	706.00
3	Supply and providing cable end termination of 3 ½ x 50 sqmm PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc. with electrical connection complete.	2.00	Mtrs	286.00	Rupees two hundred and sixty eight only	572.00
4	Supply and fixing of horizontal type 4 way triple pole and MCB distribution board sheet steel enclosure with 100Amps 4 pole MCB 1 No. incoming and 6Amps to 32A SPMCB-12 Nos. as outgoing in flush with wall and good of the concealed portion with earth connection complete. (Make: MDS box and legrand/ Hagger L&T MCB's)	1.00	Nos	9353.00	Rupees nine thousand three hundred and fifty three only	9,353.00
5	Supply and fixing of Split Air conditioner unit 2 Ton (3 Star rated) with all accessories including 5KVA stabilizers with mounting angle stand with connection omplete. (Make:Bluestar/Carrier/Voltas/Equivalent)	6.00	Nos	48605.00	Rupees fourty eight thousand six hundred and five only	2,91,630.00
6	Supply and run of copper tube for suction indoor unit to outdoor unit for new Split Air conditioners with proper connection complete. (Make: ISI only)	12.00	Mtrs	930.00	Rupees nine hundred and thirty only	11,160.00
7	Supply and run of drain water ¾ " PVC pipe. indoor unit to ground level provide for proper laying and clamping with connection complete.(Make:ISI only)	125.00	Mtrs	66.00	Rupees sixty six only	8,250.00
8	Supply and fixing of 6A/16A 3 pin combined flush type wall socket with 16A type switch on suitable MS box with connection complete.(Make: ISI only)	4.00	Nos	609.00	Rupees six hundred and nine only	2,436.00
9	Supply and fixing of 3 Nos. 6Amps (3 pin and 2 pin) combined flush Modular type wall socket with control switches concealed in suitable MS box covered with Hylem sheet in flush with wall concealed with earth connection (For computer plug socket) (Make: ISI only)	3.00	Nos	847.00	Rupees eight hundred and fourty seven only	2,541.00

Sl.No	Description of work	Qty	Unit	Estimate Cost		Amount
				In figure	Words	
10	Supply and fixing of 20 Amps DB plug and socket in sheet enclosure with 20 A DP MCB in flush with wall with earth connection (For AC plug point) (Make: Legrand(MDS) with ISI)	7.00	Nos	1830.00	Rupees one thousand eight hundred and thirty only	12,810.00
11	Supply and run of 2 of 2.5 sq.mm. PVC open insulated unsheathed Sc.cu conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.(Make: ISI cable only)	75.00	Mtrs	141.00	Rupees one hundred and forty one only	10,575.00
12	Supply and run of 2 of 4 sq.mm. PVC open insulated unsheathed Sc.cu conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.(Make: ISI cable only)	200.00	Mtrs	172.00	Rupees one hundred and seventy two only	34,400.00
13	Supply and run of mic cable 2C X 1.5 sq.mm., speaker cable with connection complete.(Make: ISI cable only)	150.00	Mtrs	94.00	Rupees ninety four only	14,100.00
14	Supply and fixing of wall mounting type 8 ohms 15W loud speakers, at smart class room with suitable connections complete.(Make: AHUJA / PHILIPS / Studio Master / Equivalent)	12.00	Nos	8744.00	Rupees eight thousand seven hundred forty four only	1,04,928.00
15	Supply and fixing of 2 Zone PA amplifier capable of delivering 240=240W output, built in MP3 player with USB, SD and MMC cardreader, features 6 mics, 2 Aux inputs and RCA jacks at rear for CD/DVD players. LCD display to monitor track played. (Quotation enclosed)(Make: AHUJA TZA-4000DPM/Equivalent)	1.00	Nos	25807.00	Rupees twenty five thousand eight hundred and seven only	25,807.00
16	Supply and fixing of 20W 4 feet LED fitting with LED with T.W. round blocks with connection complete.(Make: ISI fittings)	20.00	Nos	778.00	Rupees seven hundred and seventy eight only	15,560.00
17	Supply and run of 1 of No.8 SWG copper conductor for earth connection.	25.00	Mtrs	79.00	Rupees seventy nine only	1,975.00
18	Earthing as per the ISI specification with an earth electrode of 2.1 mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry.	1.00	Nos	2337.00	Rupees two thousand three hundred and thirty seven only	2,337.00
19	Supply and fixing of exiting switch board for replacing new MS box with moduler type 6A switches -12 Nos., electronic fan regulator- 3Nos. with cover, plate with connection complete.	3.00	Nos	2988.00	Rupees two thousand nine hundred and eighty eight only	8,964.00
					Sub total	5,72,354.00
					GROSS TOTAL COST (without GST)	17,59,850.53

We agree to execute the works in accordance with the approved drawings and technical specifications at percentage above/below the estimated rates, i.e., for a total contract price of Rs.(amount in figures) (Rs. amount in words).

Signature of Contractor

TECHNICAL SPECIFICATIONS AND SCHEDULE

Sl.No	Qty	Unit	Description of work	Unit Rate (INR)	Total Amount
A.			CIVIL WORKS		
1	170.00	M2	Providing post construction anti termite treatment and creating a chemical barrier to the building by drilling holes at wall junctions at a space of 30cm and 25mm dia holes and injecting chemical emulsion of required concentration under flooring all-round the building excavating the trenches 0.4m x 0.4m and drilling holes. The chemical to be used as insecticide for the treatment shall be biflex TC, TC stands for termicide centrate (Bifentrin etc., complete)		
2	15.00	M2	Labour charges for removal of existing damaged plywood partition and clearing the debries from the site etc., complete.		
3	10.00	M2	Removal of existing flush door shutter and refixing the same after making view panels by using 4mm thick plain glass to a size of 0.30m x 0.6m with 12mm teak wood beading in correct position and alignment etc., complete. The rate including the cost of all materials, rails etc., complete		
4	13.00	M2	Removing the existing aluminium windows including removal of frames, hinges and fastening and handed over to the department stores etc, complete.		
5	13.00	M2	Supplying and fixing UPVC (Un-Plasticized Polyvinyl Chloride) Windows of casement type (open) from the profile the size of outer frame 60mm x 58mm and shutter profile are reinforcement with GI/1mm 125 GSM and 100% corrosion free, the profiles are multi chambered sections with wall thick of 2mm. The EPDM rubber (black colour) covered with over all the edges of frame and shutter the shutter will be provided with Espag multi power point locks and also it operates as handle. The corners and joints should be welded and cleaned. Radiations free pin headed plain or brown colour glass 4mm thick should be provided to the shutter and it should not allow leakage of water even at most ranging storms and should have key lockable action, security protective hinges, strong locking systems and as per size for arresting noise and energy loss. The connecting mechanism between sash and outer frame that enables opening of the window. The window should be fixed to the wall with 100% packing with screws and silicon packing all round the frames. The window should be got approved from the Executive Engineer before use on work		
6	23.00	M2	Supply and fixing of Roller blinds of required size with proper alignment and fixing on the wall by		

Sl.No	Qty	Unit	Description of work	Unit Rate (INR)	Total Amount
			using proper mounting brackets. The rate includes labour charges, bidirectional warp spring clutch, plastic steel ball chain, roller tubes, fabric adhesive strip, cassette mounting brackets etc. The shade fabrics should be got approved by the departmental Engineer i/c. complete complying with standard specification		
7	3.00	Nos	Supplying and fixing of Acoustic Float on ceiling/ techno float ceiling of size 1200mm dia 23icrosof board of thick ness 30mm made from nonwoven polester fiber material. The rate includes the cost of the acoustic float, 23icrosoft fittings, hanging materials etc with all necessary fittings complete.		
8	177.00	M2	Provide wall panelling Techno Acoustic PET 0.75" Acoustic board, NRC for the products ranges between 0.85 – 0.9 as tested by ARAI in standard conditions over the fiber fill 500 grains 50+mm Thermal bonded (Damping 500 hz – 2 khz) filled / inserted between PET boards and wall gap by using mounted frame work (Polimer coated Brazalian pine wood reapers dimensions 2.00" x 1.00") as an damping structure for lower fequences 25 hz – 300 hz (Non chattering) in correct position and alignment with neat finally etc. The rate including the cost for all materials and labour for installation hardware items, transportation charges, lead and lift etc., complete.		
9	205.00	M2	Painting two coats of Interior emulsion paint over one coat of exterior primer using best quality and approved colour of paint, brushes, scaffolding charges etc. complete complying with standard specification. Paint, primer and colour have to be got approved by department Engineers.		
10	25.00	M2	Painting the old wood work two coats of enamel paint of approved quality and colour over one coat of primer, etc. complete complying with standard specification. (The paint to be used on work should be got approved by the Engineer-in-charge before use on work) to be used on work should begot approve dby the Engineer-in-charge).		
11	1.00	No.	Provision for wood ramp of required slope of size 1.20mX 1.80m. The side of the ramp to be provided with handrails for physically challanged person usage. The top of the ramp must be anti skid in nature. The ramp shall be made of 19mm thick stucco thype plywood. For support handrails made of 50mm dia 304 stainless steel piupe shall be used for verticals to be placed at 90cm c/c. The rate includes cost of materials, conveyance and fixing in the floor by drilling holes and finishing the same after works etc., complete		
12	1.00	No.	supplying of digital podium with audio facilities. The provision includes Compact, versatile and easy-to-assemble wireless Lectern Amplifier with built in 40W amplifier.Contains a built-in speaker system consisting of 3nos. 6.5" (165mm) coated dual cone speakers. Provision given for connecting external speaker, if required.Supplied with a detachable gooseneck condenser microphone and a reading light for the podium top.Contains a built-in VHF wireless diversity receiver. High quality VHF handheld wireless transmitter supplied. (Available in different frequencies).Provision for connecting a wired microphone through a 6.3mm phone jack or a line source through an XLR		

Sl.No	Qty	Unit	Description of work	Unit Rate (INR)	Total Amount
			connector.Handheld wireless transmitter & gooseneck podium microphone have voice priority over all other inputs. This feature can be switched ON or OFF through a slide switch.Built in digital recorder cum MP3 player, which can record on USB pen drives or SD cards.Facility for connecting a stereo auxiliary source through L&R RCA plug. It accepts four different sensitivities of auxiliary signal which are selectable through a slide switch.Separate output connectors for LINE OUT & REC OUT through mini male XLR & 6.3mm phone socket respectively, allowing the lectern system to be connected to external amplifiers for further amplification, if required.Tonal adjustment can be done through cut-boost type Bass & Treble controls.Rugged & stable floor standing base. Can be fixed to the floor with brackets (provided), if required.Operates on 240V 50Hz mains supply.Some assembly by the customer required.RECEIVER AMPLIFIER:Input Channels Sensitivity: Mic-1: 3.0Mv, Mic-2: 1.8Mv, Line: 100Mv, Aux Position-1: 100Mv, Aux Position-2: 180Mv, Aux Position-3: 300Mv, Aux Position-4: 700Mv.REC. Output: 1V (nominal).Handheld wireless Transmitter:Microphone: Dynamic Unidirectional,Frequency Stability: ±0.005%,Spurious Emissions: 45Db (max.),RF Output Power: 15Mw (max.),Dynamic Range: 100Db,Battery: 9V,Dimensions: Ø55 × L244 mm as per the engineer instruction etc., complete		
13	1.00	No.	Supply and erection of interactive digital board of model IPFDD86B with following features like built in android system to support mini PC for windows, Shall be 24icrosoft24 with 24icrosoft human interface device protocol, shall be with touch function without driver installation, LED backlight, with multi touch based on advanced infrared sensor technology 10 point touch to enhance the productivity etc complete . Technical Specification: Model IFPD868, with LED back light, IPS panel technology, 86 inch screen size, with audio input and output, two number 20w speaker, media file supporting MPEG1,MPEG2,MPEG4, H264, Rm, RMVB, MOV, MPEG, VCI, DIVX, FLV, Audio:WMA, MP3, M4A(Aac). It shall have Anti glare toughned glass with IR touch screen sensor.		
			Sub Total		
			GST %		
			Total 1		
B.			ELECTRICAL WORKS		
1	25.00	Mtr.	Supply and clamping of 3 ½ x 50 sq.mm. PVC LTUG cable on post or on wall with MS clamp with earth connection complete.(Make: ISI approved cable only)		
2	2.00	Mtr	Supply and fixing of bress cable for 3 ½ C x 50 Sq.mm. PVC armoured LTUG cable with earth with connection complete.		
3	2.00	Mtr	Supply and providing cable end termination of 3 ½ x 50 sqmm PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc. with electrical connection complete.		
4	1.00	Each	Supply and fixing of horizontal type 4 way triple pole and MCB distribution board sheet steel enclosure with 100Amps 4 pole MCB 1 No. incoming and 6Amps to 32A SPMCB-12 Nos. as outgoing		

Sl.No	Qty	Unit	Description of work	Unit Rate (INR)	Total Amount
			in flush with wall and good of the concealed portion with earth connection complete. (Make: MDS box and legrand/ Hagger L&T MCB's)		
5	6.00	Each	Supply and fixing of Split Air conditioner unit 2 Ton (3 Star rated) with all accessories including 5KVA stabilizers with mounting angle stand with connection complete. (Make:Bluestar/Carrier/Voltas/Equivalent)		
6	12.00	Mtr	Supply and run of copper tube for suction indoor unit to outdoor unit for new Split Air conditioners with proper connection complete. (Make: ISI only)		
7	125.00	Mtr	Supply and run of drain water ¾ " PVC pipe. indoor unit to ground level provide for proper laying and clamping with connection complete. (Make:ISI only)		
8	4.00	Each	Supply and fixing of 6A/16A 3 pin combined flush type wall socket with 16A type switch on suitable MS box with connection complete. (Make: ISI only)		
9	3.00	Each	Supply and fixing of 3 Nos. 6Amps (3 pin and 2 pin) combined flush Modular type wall socket with control switches concealed in suitable MS box covered with Hylem sheet in flush with wall concealed with earth connection (For computer plug socket)(Make: ISI only)		
10	7.00	Each	Supply and fixing of 20 Amps DB plug and socket in sheet enclosure with 20 A DP MCB in flush with wall with earth connection (For AC plug point)(Make: Legrand(MDS) with ISI)		
11	75.00	Mtr	Supply and run of 2 of 2.5 sq.mm. PVC open insulated unsheathed Sc.cu conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.(Make: ISI cable only)		
12	200.00	Mtr	Supply and run of 2 of 4 sq.mm. PVC open insulated unsheathed Sc.cu conductor of 1100 V grade in suitable PVC rigid pipe on wall and ceiling with continuous earth wire connection of 14 SWG TC wire with painting of suitable colour.(Make: ISI cable only)		
13	150.00	Mtr	Supply and run of mic cable 2C X 1.5 sq.mm., speaker cable with connection complete.(Make: ISI cable only)		
14	12.00	Each	Supply and fixing of wall mounting type 8 ohms 15W loud speakers, at smart class room with suitable connections complete. (Make: AHUJA / PHILIPS / Studio Master / Equivalent)		
15	1.00	Each	Supply and fixing of 2 Zone PA amplifier capable of delivering 240=240W output, built in MP3 player with USB, SD and MMC cardreader, features 6 mics, 2 Aux inputs and RCA jacks at rear for CD/DVD players. LCD display to monitor track played. (Quotation enclosed)(Make: AHUJA TZA-4000DPM/Equivalent)		
16	20.00	Each	Supply and fixing of 20W 4 feet LED fitting with LED with T.W. round blocks with connection complete.(Make: ISI fittings)		
17	25.00	Mtr	Supply and run of 1 of No.8 SWG copper conductor for earth connection.		
18	1.00	Each	Earthing as per the ISI specification with an earth electrode of 2.1 mt class 'B' GI pipe of dia not less		

Sl.No	Qty	Unit	Description of work	Unit Rate (INR)	Total Amount
			than 40mm, with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry.		
19	3.00	Each	Supply and fixing of exiting switch board for replacing new MS box with moduler type 6A switches - 12 Nos., electronic fan regulator- 3Nos. with cover, plate with connection complete.		
			Sub Total		
			GST %		
			Total 2		
			GROSS TOTAL VALUE		

NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT (NAHEP)

DRAFT LABOR MANAGEMENT PLAN (LMP)



PROJECT IMPLEMENTATION UNIT EDUCATION DIVISION

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Krishi Anusandhan Bhawan- II, Pusa Campus

New Delhi- 110012, India

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Abbreviations

AIDS	Acquired Immunodeficiency Syndrome
AU	Agricultural University
ESS	Environmental and Social Standard
HIV	Human Immunodeficiency Virus
ICAR	Indian Council of Agricultural Research
LMP	Labor Management Plan
NAHEP	National Agricultural Higher Education Project
PIU	Project Implementation Unit
OHSS	Occupational Health & Safety and Social
SMP	Social Management Plan

1 Overview

Introduction

1. The project is supporting minor civil works in terms of up gradation / refurbishment of existing infrastructure that typically include classrooms, laboratories, library buildings, toilets, ramps, etc. The safety of students, faculty and labor during the construction is of prime concern for the AU/ Institution. The Head of the institution along with the site engineer and the contractor / sub-contractor, will ensure and manage safety provisions through the implementation of a Labor Management Plan (LMP). The LMP will be a part of the bidding document, approved by the Head, AU¹, before start of any physical works. The LMP shall be implemented by the contractor and sub-contractor, irrespective of the contract size/price. The final and signed copies of the LMP along with a certificate duly signed by the Director / Principal/ Vice Chancellor confirming that the land used is free of enclosures/ squatters (sample copy is provided in **Annexure 1**) will be shared with ICAR/NAHEP for records.

Construction Activities Guideline

2. The Labor Management Plan outlines Environmental, Occupational Health & Safety and Social (OHSS) guideline, management system and governance controls on these issue for the implementation of NAHEP. Through this guideline and associated standard operating procedures, it has been intended to integrate the social, occupational health and safety principles of the National, and World Banks Social Standards guidelines with the working strategy of the project.
 3. The AUs/Institutions shall ensure safety and health of the workers, compliance to the existing labor laws with respect to daily working hours, payment of wages, welfare and compensation etc. during construction of the infrastructure proposed under the project. The AUs with the guidance of PIU, NAHEP shall monitor the compliance by the contractor. The guidelines will broadly cover the following:
 - Compliance with the provisions of the labor laws applicable to construction industry;
 - Ensuring prohibition of the engagement of child labor;
 - Location of labor camp, provision of sanitary facilities, drinking water etc.;
 - Health and safety programs for the workers;
 - Awareness on HIV/AIDS/ sexual health;
 - Prevent the use of all forms of forced labor and child labor (no child below the age of 18 will be allowed to work in hazardous circumstances).
-

¹The Dean, AU will also approve / sanction LMP for the associated colleges / institutions, part of NAHEP

- Avoid discrepancy in wages to male and female workers for similar nature of works and
 - Preference to the local laborers, women in construction works.
4. The health and safety related Acts and Rules applicable in the project activities have been summarized in the **Annexure 2** Elements of the LMP/ Guidelines on Managing Adverse Impact
5. The purpose of this LMP is to offer NAHEP's AUs the general and specific guidance for ensuring that all contractors / sub-contractors² will be able to protect the workers' rights, health, safety, and security during the project implementation period. LMP sets the norms and regulations that will have to be respected by all contractors, which will work for NAHEP project. In, all the contractor(s) / sub-contractor(s) shall meet national legislation (as stated above), but not restricted to the following:
- Ensure that all workers on site are provided with information on their terms and conditions, including hours, wages, breaks and holidays, discipline, and termination procedures in a language they understand.
 - The construction workforce has minimal impacts / no interface on the students and faculty by putting adequate barricading, signage boards, and other safety measures.
 - Provide guidance / training on the detrimental effects of the abuse of alcohol and drugs and other potentially harmful substances and the risk and concerns relating to HIV/AIDS and of other health risk-related activities to workers.
 - Provide training on gender-based violence to avoid sexual harassment of female students and faculty and other exploitative sexual relations.
 - Ensure that all workers on site understand how to access an easily accessible, confidential process for making complaints/ grievances³ about their employment:
 - This will require establishing a coherent and integrated grievance mechanism for all workers engaged in the NAHEP project
 - In addition, there should be adequate provision/mechanisms for reporting cases of sexual harassment and abuse, with a time frame within these are addressed and resolved. This can be tied to the internal complaints committee set up within the project
 - Provision of facilities to workers such as provision of sanitary (separate toilets for men and women), portable water, first aid and medical facilities. – rest shed
 - Development of workers accommodation plan that should consider aspects such as: i) the provision of minimum amounts of space required for each worker; ii) provision of sanitary (separate toilets for men and women), laundry and cooking facilities and potable water; iii) creche facility for small children of working women; iv) the location of accommodation in relation to the workplace; v) the provision of first aid and medical facilities.- Labor camp
-

²The provisions of this LMP is also applicable to the sub-contractors

³Grievance Redressal Mechanism for workers to be provided by the contractor

- Maintaining discipline in the Camp. The contractor / sub-contractor will be responsible to ensure:
 - workers shall abide by camp rules which includes a disciplinary process. Contractor/sub-contractor shall ensure adherence to the code of conduct by the workers in the camp.
 - provide briefing to all migrated workers on camp rules, behavior between fellow workers and the students and faculty. The objective of this orientation will be to increase awareness about the institution, and cultural sensitivities.
- Emergency plans on health and fire safety are prepared for minimizing the accidental and intended critical situations, including a plan for fire safety, including training of workers, periodic testing and monitoring of fire safety equipment and periodic drills. Depending on the local context, additional emergency plans are prepared as needed to handle specific occurrences (earthquakes, floods, cyclones, etc.).
- Maintain a register on accidental incidents and actions taken to avoid similar situations.
- Each contractor/sub-contractor should develop a register for all their workers. This register should contain data such as: name, age, sex, hours worked, wages, payments (including overtime payments) made and any deductions made from their wages. The register should be in line with national requirements on registration of workers.
- Each contractor/sub-contractor should specify the minimum age for employment or engagement in connection with the project, which will be the age of 14.
 - A child over the minimum age (14) and under the age of 18 will not be employed or engaged in connection with the project in a manner that is likely to be hazardous or interfere with the child's education or be harmful to the child's health or physical, mental, spiritual, moral or social development.

2 Responsibility

6. The Nodal officer for Social / GRM in each AU/Institution will be responsible for ensuring implementation and monitoring the LMP.

Role	Responsibilities
Dean / Vice-Chancellor / Principal	Approves the Labor Management Plan
Nodal Officer, Social, AU / Institution	<ul style="list-style-type: none"> • Ensure implementation of LMP, including contractor implementation • Develop, monitor, and revise LMP, as and when required, in consultation with the ICAR/NAHEP and Bank • Periodical inspections / audits of contractors /sub-contractor's performance and • Take stock of all risks, lack of conformities and incidents to

Role	Responsibilities
	<p data-bbox="532 245 699 275">ICAR/NAHEP</p> <ul data-bbox="487 289 1421 443" style="list-style-type: none"><li data-bbox="487 289 1421 319">• Periodic verifications of accommodation conditions / laborcamps<li data-bbox="487 331 1421 443">• Quarterly report to ICAR/NAHEP on LMP implementation, including details about workers lives conditions and any incidents (especially regarding incidents of Gender Based Violence) and other grievances

Annexure 1: Certificate

AU's / Institute's Letter head

Date:-----

I, _____, is working as the Director / Principal/ Vice Chancellor of the _____(the name of institute/AU/Institute) hereby submits my undertaking on behalf of the AU/ Institutethat:

all the civil works will take place on the lands that are free of encroachers, squatters, and other claims or encumbrances.

shall ensure safety and health of the workers, compliance to the existing labour laws with respect to daily working hours, payment of wages, welfare and compensation etc. during construction of the infrastructure proposed under the project.

(Head of the AU/ Institute)

(Seal of the Institute/ATU)

Annexure 2:Acts/ Laws related to health and safety

Sl. No	Acts/ Lawsrelated to health and safety	Objectives	Applicability
1	Minimum wages Act, 1948	The Minimum Wages Act, 1948 safeguards the interests of workers by providing fixation of minimum wages mainly focusing, e.g., The employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act	In compliance with the Act, the wage to be paid to the laborers engaged in any civil work, supported under NAHEP shall not be less than the latest minimum wage fixed by the state.
2.	The Child Labor (Prohibition and Regulation Amendment Act, 2016	<ul style="list-style-type: none"> • Ban of employment of children below 14 years in specific occupation and processes. • Lay down the procedure to decide modifications to the schedule of banned occupation and processes. • Regulate the conditions of work of children in employments where they are not prohibited for working. 	Children below the age of 14 shall not be engaged in construction works as laborers, in hazardous works like handling pesticides, fertilizers etc. at participating institutions
3.	The Contract Labor (Regulation and Abolition) Act, 1070	To regulate the employment of contract laborers in certain establishments and to provide for its abolition in certain circumstances and for matters connected therewith.	The laborers hired by contractors for engaging in construction/up-gradation at institutions shall be provided with facilities like rest rooms, drinking water sanitary provisions, first aid box etc.
4.	Equal Remuneration Act, 1976	To provide for the payment of equal remuneration to men and women workers and for the prevention of discrimination, on the ground of sex, against women in the matter of employment and for matters connected therewith or incidental thereto.	Women engaged in the activities supported by the project should be paid at par with their male counterparts

5.	The Building and Other Construction Workers Related Laws(Amendment) Bill, 2013:	To regulate the employment and conditions of services of building and other construction workers and to provide their safety, health and welfare measures and for other matters connected therewith or incidental thereto	The Act shall be applicable to the contractors to be engaged for the construction/ expansion of buildings and other infrastructure
6	Workmen's Compensation Act, 1923 (Amended 2009)	Provides for compensation in case of injury by accident arising out of and during the course of employment	The Act shall be applicable to the contractors to be engaged for the construction/ expansion of buildings and other infrastructure
7.	The Bonded Labor (Abolition) Act 1976	An Act to provide for the abolition of bonded labor system with a view to preventing the economic and physical exploitation of the weaker sections of the people and for matters connected therewith or incidental thereto	Applicable to the contractors to be engaged under the project