



डॉ. संजय शर्मा
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संस्थागत विकास योजना
राष्ट्रीय कृषि उच्च शिक्षा परियोजना(राकृउशिप)
INSTITUTIONAL DEVELOPMENT PLAN
NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT(NAHEP)

राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय
राजा पंचम सिंह मार्ग, ग्वालियर-४७४००२ (म.प्र.)


Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya

Raja Pancham Singh Marg, Gwalior-474002 (M. P.)

Quotation Detail

Sealed quotations are invited from authorized civil contractors for renovation/repair/refurbishment/ Extension of labs of the College of Agriculture Sehore.

The last date for submission of the quotation is 25.10.2022 and the quotation will be open on 26.10.2022. For more details, you can contact to office of the PI, IDP-NAHEP, RVSKVV, Gwalior.


Principal Investigator

W-5

**PROCUREMENT OF CIVIL WORKS
UNDER
NATIONAL SHOPPING
PROCEDURES**

(For Works valued up to US\$ 1,00,000 each)

**INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF
CIVIL WORKS UNDER SHOPPING PROCEDURES**

To,

.....
.....

Dear Sir,

Sub: INVITATION FOR QUOTATIONS FOR CONSTRUCTION OF
Renovation/repair/refurbishment/ Extension of labs
College of Agriculture, RVSKVV, Sehore

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
1. Renovation/repair/refurbishment/ Extension of labs	1369306/-	28 February 2023

The government of India has received a credit from the International Development Association (IDA) in various currencies equivalent to US\$_____towards the cost of the _____Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. The IDP-NAHEP Project in Madhya Pradesh state is being implemented by _____, 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:
- Layout Drawings of the works;
 - Structural Details;
 - Detailed Bill of Quantities, with estimated rates and prices;
 - Technical Specifications;
 - Instructions to Bidders (in two sections).
 - Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.
5. You are requested to provide your offer latest by **17.00 hrs. on 25.10.2022 only through speed post.**
6. Quotations will be opened in the presence of Bidders or their representatives who choose to attend at **3.00 PM** PM 26.10.2022 in the office of PI, IDP-NAHEP, RVSKVV, Gwalior, MP.
7. We look forward to receiving your quotations and thank you for your interest in this project.



Dr. S. K. Sharma
PI, IDP-NAHEP
Address: Office of the DFA, RVSKVV,
Raja pancham Singh marg, Gwalior, MP
Tel. No:0751-2970507

Instructions to Bidders

SECTION - A

1. Scope of Works

The PI, IDP-NAHEP 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
Renovation/repair/refurbishment / Extension of labs	1369306/-	28 February 2023

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) The 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 party's concern, and the disputed amount in each case.

3. To qualify for the 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 a valid electrical license for executing building electrification works (in the event of the works being subcontracted, the sub-contractor should have the necessary license);
- (c) should possess the 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

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.

Each bidder shall submit only one quotation.

The quotation submitted by the bidder shall comprise the following: -

- (a) Quotation in the format given in Section B.
- (b) Signed Bill of Quantities; and
- (c) Qualification information form given in Section B duly completed.

The bidder shall seal the quotation in an envelope addressed to the PI, IDP-NAHEP, RVSKVV, Gwalior. The envelope will also bear the following identification: -

- Quotation for renovation, repair, refurbishment of labs & Modernization of classroom
- Do not open before 25.10.2022 before 3.00 PM

Quotations must be received in the office of the PI, IDP-NAHEP 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 up to the appointed time on the next working day.

Any quotation received by the **PI, IDP-NAHEP, RVSKVV, and Gwalior** after the deadline for submission of quotations will be rejected and returned unopened to the bidder.

6. Validity of Quotation

A 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 the evaluation of quotations and recommendations for the award of the 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.

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

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

11. Performance Security

Within 15 days of receiving a letter of acceptance, the successful bidder shall deliver it to the **PI. IDP-NAHEP** the performance security (either a bank guarantee or a bank draft in favor of the Employer) for an amount equivalent to **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.

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SECTION - B

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

QUALIFICATION INFORMATION

1 For Individual Bidders

Principal place of business: _____

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

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

20	_____
20	_____
20	_____

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>Descrip-tion of work</u>	<u>Contract No.</u>	<u>Value of contract (Rs. Lakhs)</u>	<u>Date of issue of work order</u>	<u>The stipulated period of completion- on</u>	<u>The actual date of comple-tion</u>	<u>Remarks explaining reasons for delay and work completed</u>
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Existing commitments and ongoing works:

<u>Description of Work</u>	<u>Place & State</u>	<u>Contract No. & Date</u>	<u>Value of Contract (Rs. Lakh)</u>	<u>The 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 the Engineer concerned.

Proposed subcontracts and firms involved.

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

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.

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

Information on litigation history in which the Bidder is involved.

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

QUOTATION

*

Description of the Works:

To:

Subject: Construction of
.....

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

Sir,

We offer to execute the Works described in your letter referred to above following the Conditions of Contract enclosed therewith at.....a 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 the 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 a Bank guarantee or a Bank draft in favor of (Employer) shall be valid till the expiry of the period of maintenance i.e. up to. Failure to furnish the Performance Security will entail cancellation of the award of the 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, the 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 _____ the
day
_____ month _____ 199 ____, between the
_____ (Employer) or his authorized representative (hereinafter
referred to as the first party) and _____ (Name of the Contractor), S/O
_____ A 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.

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 the agreement	:	25% of the total cost
On reaching the plinth level (first stage)	:	25% of the total cost
On reaching lintel level (second stage)	:	25% of the total cost
On reaching roof level (third stage)	:	15% of the total cost
Plastering and completion of the whole work (fourth stage)	:	10% of the total cost

*(The above has been drafted for the construction of school buildings; modify this suitably for other
works)*

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 concerning the 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, issues 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 the issue of the 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 period stated in this clause may be extended in writing by mutual consent of both parties.

6. If any of the compensation events mentioned below would prevent the work from 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 the execution of the work on time.
- c) Ground conditions are substantially more adverse than could reasonably have been assumed before the issuing of the letter of acceptance and from information provided to the 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 exceed 2 % of the contract amount.

(Note: The number 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

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 visits of the authorized personnel of the first party, for checking the quality of material and construction to ensure that it is as per the norms.

The first party shall supply 3 sets of drawings, specifications, and guidelines to the second party for the proposed works.

Possession of the site will be handed over to the second party within 10 days of the signing of the agreement.

The Engineer or such other person as may be authorized by the first party shall hold a meeting once a month where the second party or his representative at the 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.

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

The second party shall:

- a) take up the works and arrange for its completion within the time stipulated in clause 5;
- b) employ suitably 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 by 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 the 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 (The 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 by 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 the Engineer's 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 that could have been avoided by giving an 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

The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

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 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 determined by the Engineer;
- (d) the Contractor does not maintain the security that is required;

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

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

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 fewer advance payments received up to the date of the issue of the certificate, fewer other recoveries due in terms of the contract, fewer taxes due to be deducted at source as per applicable law.

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 fewer 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 an 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 by the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both parties.

BILL OF QUANTITIES

Sl.No.	Description of Work	Qty.	Unit	Estimated Cost		Amount
				In figure (Rs.)	In Words	

Gross Total Cost: Rs.....

We agree to execute the works by 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

Format of certificate

Certified that the works up to -----the level in respect of construction of at have been executed by the approved drawing and technical specifications.

Signature
Name & Designation
(Official address)

Place:
Date:

Office seal

**Detail Estimate of Auditorium Hall False Ceiling Work
R. A. K. College of Agriculture Sehore**

S.No.	Particulars of items	Quantity	Rate	Amount
1.	<p>Dismantling cement asbestos or other hard board ceiling or partition walls including staking of serviceable materials and disposal of unserviceable materials within 50 meters lead. (SOR Page 455, Item No. 15.38)</p> <p>1 X 3.20 X 19.50 = 62.40 M² 1 X 8.50 X 15.20 = 129.20 M² = 191.60 M²</p>	191.60 M ²	13.00	2490.00
2.	<p>12.53 Providing and fixing tired false ceiling of approved materials of size 595x595 mm into horizontal level suspended on interlocking metal grid of hot dipped galvanized steel section galvanized@120 gram/sqm both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24 x 38 mm made from 0.30 mm thick (minimum) sheet spaced it 1200 mm centre to centre and cross "T" of size 24 x 25 mm made of of 0.30 mm thick (minimum) sheet 1200 mm long spaced between main "T" at 600 mm centre to centre to from a grid of 1200 x 600 mm and secondary cross T of length 600mm and size 24 x 25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200 x 600 mm panel to from grid of 600 x 600 mm and wall angle of size 24 x 24 x 0.3 mm and laying false ceiling tiles of approved texture in the grid including required cutting/making opening of services like diffusers, Grills, light fitting, fixtures, smoke detectors etc. main T runners to be suspended from selling using GI slotted off size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm diameter and 50 mm long dash fasters, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm is placed at 1200 mm centre to centre along main the bottom exposed width of 24mm of all T-section shall be painted with polyester paint, all complete for all heights as per specification driving and as directed by engineer in charge (SOR Page 229, Item No. 12.53)</p> <p>12.53.1 8mm thick fully perforated calcium silicate board made with calcareous and siliceous material reinforced with cellulose fiber manufactured through autoclave process to give stable crystalline structure with minimum compressive strength 225 kg per square centimeter bending strength 100 kg per square centimeter of size 595 x 595 mm, having formation area 18% with non woven tissue on the back side having at NRC coefficient of 0.85, with 50mm thick Rockwool of 48 kg per cubic meter baking. (SOR Page 365/367, Item No. 12.58.3)</p> <p>1 X 3.20 X 19.50 = 62.40 M² 1 X 8.50 X 15.20 = 129.20 M² 1 X 3.90 X 3.00 = 11.70 M² 1 X 4.00 X 3.00 = 12.00 M² 1 X 6.10 X 3.00 = 18.20 M² =233.50. M²</p>	233.50. M ²	1150.0 0	2,68,525.00
	Total			2,71,015.00
	18% GST Add			48,782.70
	Grand Total			3,19,797.70

**Detail Estimate of Examination Hall, NHEP Language Room False Ceiling Work
R. A. K. College of Agriculture Sehore**

S.No.	Particulars of items	Quantity	Rate	Amount
1.	<p>Dismantling cement asbestos or other hard board ceiling or partition walls including staking of serviceable materials and disposal of unserviceable materials within 50 meters lead. (SOR Page 455, Item No. 15.38)</p> <p>1 X 13.10 X 7.90 = 103.49 M² = 103.49 M²</p>	103.49 M ²	13.00	1345.37
2.	<p>12.53 Providing and fixing tired false ceiling of approved materials of size 595x595 mm into horizontal level suspended on interlocking metal grid of hot dipped galvanized steel section galvanized @120 gram/sqm both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24 x 38 mm made from 0.30 mm thick (minimum) sheet spaced it 1200 mm centre to centre and cross "T" of size 24 x 25 mm made of 0.30 mm thick (minimum) sheet 1200 mm long spaced between main "T" at 600 mm centre to centre to from a grid of 1200 x 600 mm and secondary cross T of length 600mm and size 24 x 25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200 x 600 mm panel to from grid of 600 x 600 mm and wall angle of size 24 x 24 x 0.3 mm and laying false ceiling tiles of approved texture in the grid including required cutting/making opening of services like diffusers, Grills, light fitting, fixtures, smoke detectors etc. main T runners to be suspended from selling using GI slotted off size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm diameter and 50 mm long dash fasters, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm is placed at 1200 mm centre to centre along main the bottom exposed width of 24mm of all T-section shall be painted with polyester paint, all complete for all heights as per specification driving and as directed by engineer in charge (SOR Page 229, Item No. 12.53)</p> <p>12.53.1 8mm thick fully perforated calcium silicate board made with calcareous and siliceous material reinforced with cellulose fiber manufactured through autoclave process to give stable crystalline structure with minimum compressive strength 225 kg per square centimeter bending strength 100 kg per square centimeter of size 595 x 595 mm, having formation area 18% with non woven tissue on the back side having at NRC coefficient of 0.85, with 50mm thick Rockwool of 48 kg per cubic meter baking. (SOR Page 365/367, Item No. 12.58.3)</p> <p>NHEP - 1 X 13.10 X 7.90 = 103.49 M² Examination Hall 1 X 36.70 X 8.20 = 300.94 M² Class room2 1 X 7.95 X 11.65 = 92.61 M² = 497.04 M²</p>	497.04 M ²	1150.00	5,71,596.00
	Total			5,72,941.00
	18% GST Add			1,02,887.28
	Grand Total			6,74,483.28

**Detail Estimate of Examination Hall, NHEP Language Room paint Work
R. A. K. College of Agriculture Sehore**

S. No.	Particulars of items	Quantity	Rate	Amount
1.	<p>13.41 Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, like birla white/ JK white or equivalent, over the plastered wall surface to prepare the surface even and smooth i/c all cost of material, labor and scaffold etc in all position complete. (SOR Page 248, Item No. 13.41)</p> <p>Examination hall Wall 2x36.80x3.05= 224.48 m² Wall 2x8.25 x3.05 = 50.32m² Nhep language room Wall 2x13.10x3.05= 79.91m² Wall 2x7.90x3.05= 48.19 m² Total = 402.90 m²</p>	402.90m ²	74	29814.00
2.	<p>13.56.1 Finishing wall with premium acrylic smooth exterior paint with silicone additives of required shade. New work (Two or more coats applied @1.43 ltr/10sqm. Over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) (SOR Page 250, Item No. 13.56.1)</p> <p>Examination hall Wall 2x36.80x3.05= 224.48 m² Wall 2x8.25 x3.05 = 50.32m² Nhep language room Wall 2x13.10x3.05= 79.91m² Wall 2x7.90x3.05= 48.19 m² Total = 402.90 m²</p>	402.90m ²	84	33843.00
	<p>31.25 supply and fixing of surface mounting type LED light fixture , LED of 1 to 3 W each assembled on single MCPCB having color temp 6500k and having 50000 burning hrs life with minimum @ L70 system lumen output should be minimum with efficiency > 80lm/w, LED drivers PF 0.95 and THD <20%. The color rendering index of LED light should be more than 70 housing made of CRCA with glare free diffused polycarbonate cover submission LM 80-80 form LED source manufacture mandatory i/c connection wire testing etc to complete the job 2 yrs guarantee certificate from manufacturer</p>			
	31.25.2 LED luminous 2 X 2; 36W 4-6.5 k	46 Nos	5496	2,52,816.00
Total				3,16,473.00
Add 18% GST refund to contractor				56,965.14
Grand Total				3,73,438.14