

REQUEST FOR PROPOSAL (RFP)

ENGAGING AN AGENCY

FOR

Implementation and Commissioning of Class-M Project

“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in

Andhra Pradesh”

RFP NO. EdCIL-NI/IS-Class-M/2015

DATE OF ISSUE	:	20th May, 2015
LAST DATE & TIME OF RECEIPT OF SEALED PROPOSAL :		5th June, 2015 (BY 1500 HRS.)
Date and VENUE FOR OPENING OF SEALED PROPOSAL:		5th June, 2015; 1600 HRS. EdCIL (India) Limited 18-A, Sector-16A Noida - 201301

Issued by:

EdCIL (India) Limited

(A Government of India Enterprise)

Under Ministry of Human Resource

Development

Plot- 18-A, Sector-16-A, NOIDA – 201301

Uttar Pradesh, INDIA

Tel: 0120-2512001 to 006 (EPABX)

Fax: 0120-2515372

Website: www.edciliindia.co.in



REQUEST FOR PROPOSAL (RFP)

ENGAGING AN AGENCY

FOR

Implementation and Commissioning of Class-M Project “Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

INDEX

Sr. No.	Clause No.	Description	Page No.
1.	1.0	About EOI	3
2.	2.0 to 2.3	About EdCIL & its activities	3-4
3.	3.0 to 3.4	Scope of Work for Agency	4-6
4.	4.0 to 4.2	Conditions for Class M Project	7
5.		Special Conditions	8
6.	5.0	Infrastructure Requirements	8-9
7.	6.0	Validity	9
8.	7.0	EMD & Performance Security	9-10
9.	8.0	Work-Order/ Contract Clauses	10
10.	9.0	Liquidity Damages	11
11.	10.0 to 14.0	Termination of Contract, Governing Laws/Arbitration, Force-Majeure and Severability	11-12
12.	15.0 to 15.7	Proposal Preparation & Submission	12-13
13.	16.0 to 16.2	Payment Terms	13
14.	17.0 to 17.4	Eligibility Criteria	13-14
15.	18.0 to 18.1	Terms & Conditions	14
16.		Acceptance	15
17.		Annexure-I	16-18
18.	-	Tech. Form- I	19-20
19.	-	Tech. Form- II	21
20.	-	Tech. Form - III & IV	22-23
21.	-	Financials	24-27



**EdCIL (India) Limited
(A Government of India Enterprise)**

Ref.No. EdCIL-NI/IS-Class-M/2015

Dated: 20.05.2015

Sub: Request for Proposal (RFP) for Engaging an Agency for Implementation and Commissioning of Class-M Project “Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

1.0 EdCIL (India) Limited, an Enterprise of Government of India invites sealed proposals from eligible agencies for Implementation and Commissioning of Class-M Project “Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh” as per details given in para 3.0 of this RFP. The details regarding the requirement, eligibility criteria etc. are given in this RFP. Only those agencies having required technical capabilities with handholding technical support, sound financial background, and have sufficient experience of setting-Up of Green Labs will be considered for award of work.

2.0 ABOUT EDCIL AND ITS ACTIVITIES

2.1 EdCIL (India) Limited is a Government of India Enterprise under the administrative control of Ministry of Human Resource Development having its registered office at Vijaya Building, 5th floor, 17-Barakhamba Road, New Delhi – 110001 and Corporate Office at EdCIL House, Plot No 18-A, Sector 16-A, Noida-201301. EdCIL is an ISO 9001-2008, 14001-2004 certified company. It provides consultancy services in the field of education to various departments under Government of India, state governments, educational institutions and international bodies.

2.2 ACTIVITIES OF EDCIL

The details of the activities being undertaken by EdCIL are available on EdCIL's website: www.edciliindia.co.in . The following Divisions exist for carrying out the activities of EdCIL:

- (a) Technical Assistance Division
- (b) Civil & Procurement Division (C&P)
- (c) Placement & Secondment Division (P&S)
- (d) Recruitment Services Division
- (e) Technical Support Groups for SSA, RMSA, MDM & NLMA
- (f) New Initiative (NI) Division

2.3 EdCIL (India) Limited re-invites the bids for selection of OEM/ Business Associate/ Agency regarding implementation and commissioning of Class-M Project “Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”, who will be required to undertake the integration and delivery of entire project.

EdCIL floated a RFP vide Ref. no. EdCIL-NI/IS-Class –M/2015 dated 16th March, 2015 for which advertisement was released in newspaper as well as EdCIL’s website and Central Procurement Portal for the same. However, due to technical and administrative reasons, EdCIL decided to re-invite the bids for selection of Agency with some new scope of work, addition of items & some obligations on the part of selected agencies. The agencies who have applied earlier needs to be submit again their fresh bid as per present requirement. Unopened bids submitted by the agencies will be returned to them at their given addresses.

GREEN LAB SOLUTION CONSTITUTES

- School System Management
- E-learning and online testing
- Stand alone Hybrid Renewable Energy generation systems
- Energy Efficient systems with customized configuration and accessories
- State of Art SMART HYBRID CONTROLLER

3.0 SCOPE OF WORK FOR AGENCY

PROJECT SCOPE

- 3.01 Under Class-M Project - Green Labs would set up the computer labs equipped with Energy Efficient Smart Computers and lighting completely powered by Renewable Energy Systems with wind turbines and or solar panels.
- 3.02 As per advice of Non-conventional Energy Development Corporation of Andhra Pradesh (NEDCAP), this project fits in the category of claiming 30% subsidy on the solar equipment from NEDCAP. It will be the responsibility of the selected agency to take all action in advance to organize to tap 30% subsidy from NEDCAP, applicable for solar equipment. The selected agency will facilitate in passing this subsidy is the client.
- 3.03 The systems are configured to meet the requirements of the students and in the process cost savings have been considered without any compromise.
- 3.04 Smart Hybrid Controller which facilitates charging the battery bank from both solar and with conventional power during extreme weather conditions completes the whole solution. Adequate battery bank sufficient to power the lab for two working days of eight hours each will ensure uninterrupted functioning of the lab.

The system also facilitates real time information about the generation and consumption factors through the web.

Details of task/specification/scope of the work for various components

For this project, the details on Installed Capacity is as under: Renewable Energy power generation solution adequate to power the Computer Lab for two consecutive working days of 8 hours each for a total of 16 hrs

S.No.	Standard Features of Green Labs's items	Qty. required
1	Solar Power Generation: 1.0 KV Grade A category solar panels (250Watt capacity/each) depending on site location. The Solar Panels are fixed on the roof top or suspended to the tower or placed on the ground depending on the site conditions. The modules being offered are IEC 61216, IEC 61730 and CE certified. (Specifications as per Annexure-1)	4 No of 250WATT panel
2	Battery Bank: The systems includes adequate battery bank depending on the requirements from site to site to support the systems. Standard configuration offers a battery backup of 16 hours usage. Battery's being offered are from MNRE approved models. (Specifications as per Annexure-1)	4 No. of 12V tubular lead acid battery with 180 AH capacity
3	Hybrid Controller: Hybrid Controlling Unit can power the computer and charge battery bank as per availability of renewable resources like Sun along with backup option through regular power.	1
4	Smart and Energy efficient Computers : 18.5 inch All-IN-ONE computers (Specifications as per Annexure-1)	20
5	Smart and Energy efficient tube lights : 4 Feet LED tube lights with frame (Specifications as per Annexure-1)	6
6	Smart and Energy efficient Ceiling Fans : 56 inch ceiling Fan with remote control (Specifications as per Annexure-1)	3
7	Wireless Network Router : Wireless network router for WIFI connection to	1

	computers. Specifications as per standard/latest compatible with solar equipments	
8	Assessment and School Management software system : Online e-education content and assessment and complete school management information systems.	Per school
9	Cabling : Required cabling to configure GREENLAB	As per actual
10	User Training : Training on usage and standard maintenance of equipment and software.	As per actual
11	Furniture : Computer table with Keyboard tray and Chair with wheels . (Specifications as per Annexure-1)	Set of 20 table and chair per school

4.0 CONDITIONS FOR CLASS-M PROJECT

4.1 The Setting-Up of Green Labs in 4 Ekalavya Schools (Gurukulam) in 4 Districts of Andhra Pradesh 1) G.K. Veedhi (B), Visakhapatnam, 2) Y. Ramavaram (G), East Godavari, 3) Dornala (G), Prakasam, 4) Kodavaluru (G), Nellore, are to be Commissioned and Implementation in all respect within a period of 6 Weeks after award of work. It is general assumption that the services / implementation and integration shall be spread over a agreed time period in phased manner as identified in service level agreement (SLA) /work contract and provisioning of technical support for required period to the said solution implementation, training and other support services including but not limited to fixing technical glitches and bug fixing.

4.2 The general Terms and Conditions for the Setting-Up of Green Labs are given below for information of agencies. The selected Agency will be provided the specific terms and conditions in the Work Order based on these conditions which is to be strictly adhered to by the selected agency:

- a) RFP document is available on EdCIL's website www.edcilandia.co.in and can be downloaded. EdCIL (India) Limited will not be responsible for any delay/ difficulties in downloading facility from internet for any reason whatsoever. In case of any discrepancy between the tender documents downloaded from Internet and the approved master copy available in this office, the later shall prevail and will be binding on the AGENCY(s). No claim on this account will be entertained. RFP documents are non-transferable.
- b) The contract as and when awarded cannot be transferred or sub-contracted to any other Implementation agency. Subcontracting of any activity / process in any manner is strictly forbidden and can only be permitted upon explicit written consent / permission of EdCIL.
- c) A bid determined as not substantially responsive will be rejected by EdCIL without any further notice to the applicant Firm / Agency.
- d) EdCIL (India) Ltd. reserves its right to accept/ reject any or all bids.
- e) The award of the work shall be subject to Scope of Work as finalized and defined by the Agreement between Client of EdCIL awarding the said job/ order/ Project.
- f) EdCIL (India) Limited may or may not award the job/ order/ Project to any agency entirely at its discretion.

A. SPECIAL CONDITIONS

a) **Service Level Agreement(SLA's):** SLA will be required to be sign by Implementation firm / agency after issuance of Work Order and on the basis of terms & condition mentioned in the SLA approved by the client for executing the project as requirement and deliverables at client site of the product to be provide /Implemented by Implementation firm / agency. The terms and conditions stipulated will be acceptable to the Implementation firm / agency without any request of change.

b) **Evaluation Of Bids For Selection**

The evaluation of bids for selection will be done based on the QCBS (quality cost based selection) method as per purchase procedure i.e 70% technical weightage and 30% Commercial weightage.

Technical criteria	Max. Points	Supporting Document
Proposed Solution Methodology	50	Certificate from AGENCY
Proposed Services / Product quality	25	Affidavit on related services / product
Experience in relevant project	25	Copies of work orders and completion certificates
TOTAL MARKS	100	

5.0 INFRASTRUCTURE REQUIRED AT GREEN LAB's SITE

A Smart Hybrid Controller is required to facilitate effective Green Solution. This State of Art Smart Hybrid Controller traps power from Solar Panels and charges the battery bank and provides controlled power to various devices like computers, lights and fans.

a. The controller is equipped with a LIFE LINE which shall charge the battery bank in exceptional weather conditions, when solar energy is not generated. This LIFE LINE shall draw power from the grid power supply source, where available when renewable energy is not generated. This is an optional feature.

- b.** The Smart Controller is equipped with data log in features. Complete data relating to generation from each source and complete information about consumption is recorded continually. The data so generated is mapped to each of the devices.
- c.** The Data so recorded is transmitted on real time basis through GSM/GPRS and can be retrieved remotely.
- d.** The data so received from Smart Hybrid controller is stored on centrally located and controlled servers and can be accessed on the internet from anywhere for complete analysis. Information about functionality of each device can be established, which includes data of generation and consumption which will also indicate the functioning or non functioning of different systems. The facility helps the administration not only to access the functioning of the renewable energy generation, but also throws light on unit wise consumption, indirectly pointing out unused systems from time to time.

The whole equipment / system can also be remotely addressed / operated for trouble shooting and regular maintenance

6.0 VALIDITY

6.1 The Proposal (Technical & Financial) will be valid for 90 days from the last date of receipt of Proposal.

7.0 EMD & PERFORMANCE GUARANTEE

7.1 EARNEST MONEY DEPOSIT (EMD)

An EMD of Rs.1,60,000/- (Rupees One Lakh and sixty thousand only) in the form of Demand Draft drawn in favour “EdCIL (India) Limited” and payable at New Delhi must be submitted alongwith the Proposal.

Proposal not accompanied by EMD shall be rejected as non-responsive. The Agencies who had applied in response to earlier RFP are being returned to them as unopened. These agencies need to give new proposal as well as fresh EMD of the requisite amount.

No interest shall be payable for the sum deposited as EMD.

Exemption from EMD shall be applicable as per instant rules of Government of India to agencies registered with MSME, NSIC etc. for which the Agency will submit proof for the same. In case an agency claims for EMD Exemption but is not found eligible for the same as per rules of Government of India or no proof is attached in this regard, the bid of such agency shall be treated as non-responsive and will be rejected.

The EMD of the unsuccessful bidders would be returned back within one month of the signing of the Contract with successful agency. EMD of selected agency will also be refunded after signing of Contract or will be adjusted towards Performance Security.

7.2 The EMD shall be forfeited by EdCIL in the following events:

- (i) If Proposal is withdrawn by any agency during the validity period or any extension thereof, as agreed by the agency.
- (ii) If the Proposal is varied or modified by agency in a manner not acceptable to EdCIL after opening of Proposal during the validity period or any extension thereof as agreed by the Agency.
- (iii) If the Agency tries to influence the evaluation process of the RFP.

7.3 PERFORMANCE SECURITY

The equipment and computer hardware will have a warranty period of two years from the date of installation and commissioning. The selected agency immediately on Award of the work, will be required to submit a Performance Security in the form of a Bank Guarantee from a Nationalized Bank equivalent to 5% of the Contract Value in favour of EdCIL (India) Limited. On receipt of Performance Security, the EMD will be returned to selected Agency.

7.4 The Performance Bank Guarantee will have the validity till completion including of the project warranty. The PBG will be returned after warranty of two years period plus two months.

8.0 WORK ORDER/ CONTRACT CLAUSES

The work order/ contract will contain the following clauses:

- (i) The order of award of work with details of Green Lab's components;
- (ii) Value of work to be carried out and work site 4 locations;
- (iii) Period of completion of Class-M Project;
- (iv) Terms and conditions and tasks to be performed before start of project, during the installation and after the Commissioning ;
- (v) Adherence to the time-schedule and penalty/liquidity damages for delay in completion of Training;
- (vi) Terms of Payment;
- (vii) Force Majeure;
- (viii) Arbitration.

9.0 LIQUIDITY DAMAGES

The Implementation of Class-M Project awarded to selected agency are to be completed within the time period mentioned in Service Level Agreement. If the implementation is not completed within the given time-period, except in the case of the force majeure conditions, agency shall be liable to pay the Liquidity Damages due to delay taken place for executing the Project within the given time frame. The period of delay will be counted after the last date of completion of the Training Programme. Deduction will be made at the rate of 1% of the total contract value for every week (or part thereof) of delay subject to a maximum of 5% of the total contract value.

10.0 TERMINATION OF CONTRACT

- 10.1 The Contract signed with the selected agency will be treated as terminated on the happening of any of the events mentioned below:
 - (i) If either Agency or EdCIL commits breach of any provisions of the Contract and the party who is alleged to have committed breach is served with a notice by the other party, prior to the intended date of termination by the other party and the former has failed to amend the breach within the given time period.
 - (ii) If any event happens which will make the performance of the Contract impossible, including any Force Majeure event.
 - (iii) If both the parties mutually agree to terminate the Contract.

11.0 GOVERNING LAWS / ARBITRATION

- 11.1 The Contract shall be governed by law applicable in India.
- 11.2 All disputes and differences between the selected Agency and EdCIL, pertaining to the Contract shall be resolved through mutual discussions. In case the same still remains unresolved, dispute and differences shall be resolved through Arbitration. The dispute and differences shall be referred to sole arbitrator appointed by C&MD, EdCIL (India) Ltd. These arbitration proceedings shall be conducted in accordance with provisions of Indian Arbitration and Conciliation Act, 1996. The venue of arbitration shall be in Delhi/NCR.
 - The language of the arbitration proceedings shall be English
 - The Place of arbitration proceedings shall be Delhi/NCR

12.0 FORCE MAJEURE

12.1 Neither the selected Agency nor EdCIL shall be responsible for delay or default in the performance of its obligations due to contingencies beyond its control such as fire, flood, civil commotion, earthquake, war, strikes or government action. If such event prevents either of the parties from performing its obligations under the Contract, the concerned party would promptly notify the other in writing. Notwithstanding this clause, the parties shall ensure that they comply with the terms of the Contract to the maximum extent possible.

13.0 SEVERABILITY

If any provision of the Contract is found by either party i.e. selected Agency or EdCIL to be invalid, void or unenforceable, the remaining provisions of the Contract shall remain in full force and effect.

14.0 This RFP contains the following documents:

- (i) Details of RFP/Letter dated 20.05.2015 – **entire document to be signed and enclosed with the Proposal as a mark of acceptance of all the Terms and Conditions.**
- (ii) TECH-I to TECH-IV.
- (iii) FIN-I with detailed information and Proforma for bid.

The text of this RFP is available on EdCIL's website; www.edcilandia.co.in & on the Central Public Procurement Portal (CPPP-NIC).

14.1 For any dispute relating to this RFP, the jurisdiction of court will be Delhi/New Delhi.

15.0 PROPOSAL PREPARATION & SUBMISSION

15.1 The Proposal is to be prepared as per Proforma for Technical and Financial Proposal given in this RFP. The Notice of RFP containing all terms and conditions is also to be enclosed duly signed as a token of acceptance of the Terms and Conditions.

15.2 A forwarding letter must accompany the Proposal. The EMD is to be enclosed with this forwarding letter.

15.3 All the documents are to be attached. An Index may be prepared showing position/placement of the document in serial order. Each page of the Proposal should be signed and stamped between each of the section. Separators may be placed in between various sections.

15.4 There should not be any over-writing/cutting/erasing on any page of the financial bid.

15.5 Every information, as asked for, must be provided.

15.6 The Technical Bid which will include the Covering Letter, Annexures, copy of proof and Proforma Tech-I, EMD and other relevant documents are to be kept in one inner envelope which should be properly sealed. On this envelope please write "**Technical Bid for CLASS-M Project in Andhra Pradesh**". Second inner envelope is to be prepared for financial Bid. The duly filled in Performa of FIN-I is to be kept in this envelope and to be sealed super scribed with "**Financial Bid for Class -M Project in AP**"- **to be opened after technical evaluation is over**". Both these envelopes are to be kept in another envelop duly sealed **with the superscription "RFP for Implementation of CLASS-M Project in Andhra Pradesh"** is to be sent to EdCIL in such a manner that it reaches EdCIL by 1500 hrs. of 05.06.2015.

15.7 Proposals must be sent by the last date and time of receiving the bid. The Proposals received late will not be considered. EdCIL will not be responsible for any postal delay in this regard.

16.0 PAYMENT TERMS

16.1 The payment terms will be indicated in the work order to be issued to selected Agency. However, broadly the Payment Terms will be as under:

(a) 50% of the payment will be released by EdCIL to the selected agency, subject to receipt of funds from client, after completion of all activities related to supply and installation of Green Lab Components and submission of all the documents to EdCIL evidencing that the activities have been completed in the form of certification from client.

(b) 30% of the payment as second installment, subject to receipt of funds from client, after completion of Training and handholding technical support to School staff based on certification from client.

(c) Balance 20% after completion of project in all respect and on receipt of satisfactory Completion Certificate from Client.

TDS will be deducted from the above payment as per appropriate section of IT Act.

16.2 These are the broad terms of payment. However, the final Payment Terms may change slightly as per requirement of client which will be mentioned in the work order.

17.0 ELIGIBILITY CRITERIA

17.1 The main eligibility criteria of this RFP for selection of an Agency are:

(a) The agency must have an Annual Turnover of Rs. 200 lakhs every year during the last two years i.e. 2012-13 & 2013-14.

(b) The applicant should have an experience of more than one year in the activities related to the work mentioned in the advertisement.

- (c) The applicant should provide proof of company registration under any national/international Company's Act/Registration Act.
- (d) The applicant should provide Service Tax details, Pan no. Details, Bank A/c details with a copy of these documents.
- (e) The applicant should provide an undertaking for not being a blacklisted company.
- (f) The Agency shall have a good organizational set-up, must have been established following all government procedures and have the requisite documents as per TECH-I of this RFP. Photocopies of all the documents are to be attached.

18.0 TERMS & CONDITIONS

- 18.1 The Proposals are to be submitted only in the given formats available in this RFP for Technical & Financial bids. The Proposals received other than the formats will not be considered.
- 18.2 Clarifications, if any, can be sought from EdCIL on the telephone nos. provided in this RFP.
- 18.3 EdCIL reserves the right to cancel any/all the proposals due to technical, administrative and other reasons or as per requirement of the client. The decision of EdCIL will be final in this regard.
- 18.4 The Proposals are to be placed in serial orders as per Proforma attached with covering letter of the agency. The outer envelope should be properly sealed superscribed "**RFP for Implementation of CLASS-M Project in Andhra Pradesh**". Name of agency should be mentioned on the bottom of envelope.
- 18.5 The Proposals are to be addressed to "Chief General Manager (Projects), 'EdCIL House', Plot 18-A, Sector 16-A, Noida – 201301 (U.P.). The last date & time of receiving the sealed Proposal will be by 1500 hrs. of 05.06.2015. The Proposal received after the last date & time will not be accepted.

For EdCIL (India) Limited

Chief General Manager (Projects)

ACCEPTANCE

I/We, _____ authorized signatory of M/s. _____ have read the Terms & Conditions of this RFP from clause no. 1.0 to 18.0 including the responsibility to organize to tap 30% subsidy from NEDCAP, applicable for solar equipment and the subsidy will be passed on to the client and hereby give our acceptance for agreeing to these Terms & Conditions.

Signature: _____

Name : _____
(Authorized signatory)

Designation: _____

Address of Agency: _____
(With Rubber Stamp)

Dated : _____

TECHNICAL SPECIFICATIONS

SMART AND ENERGY EFFICIENT ALL IN ONE COMPUTER

CPU	:	Intel(R) Atom(TM) 1.80GHz Processor
Ram	:	2GB DDR3
HDD	:	320 GB Sata
Screen	:	18.5" LED Screen
USB Ports	:	4
Head Phone Port	:	1
Lan	:	1 100 Mbps Port
Wifi	:	Yes
HDMI Display	:	Yes
DC Power Connector	:	1
External Speakers	:	Yes
DVD Writer	:	Yes
Operating System	:	Dual Boot Windows 7 Starter / Edubuntu (Linux)
Keyboard and Mouse	:	Yes
Webcam	:	Yes
Weight	:	5 Kgs
Power	:	25 W
Warranty	:	2 yrs on site

DC CEILING FAN SPECIFICATIONS

Size	:	56"
Speed	:	5 Airflow Speed
RPM	:	360 RPM Max.
Motor	:	100% Copper Brushless Motor
Power	:	25W
Remote Control	:	Yes

LED TUBE LIGHT SPECIFICATIONS

Light Model	:	T8
Size	:	4 Ft.
Light Source	:	2835 SMD LED
Luminous	:	Around 1750lm
Diameter	:	26mm x 28mm
Color	:	Cool White
Power	:	18W

BATTERY SPECIFICATIONS

Type	:	Lead Acid Battery
Voltage	:	12 volts
Capacity	:	180 Ah
Dry Weight	:	44 Kgs
Filled Weight	:	64 Kgs
Dimensions	:	505mm x 190mm x 410mm
Warranty	:	1 yrs on site

SOLAR PANEL SPECIFICATIONS

Peak Power (Pmax.W)	:	250
Max Power Voltage (Vmp)	:	30.69
Max Power Current (Imp)	:	8.15
Open Circuit Voltage (Voc)	:	37.98
Short Circuit Current (Isc)	:	8.67
Module Efficiency (%)	:	15.21
Physical Parameters		
No. of Cells	:	60
Module Dimensions (mm)	:	1660 x 990
Module Thickness (mm)	:	42
Approx Weight (Kgs)	:	20

Operating Conditions

Ambient Temperature (oC)	:	-40 to +90
Maximum System Voltage (VDC)	:	600 (US), 1000 (EU)
Hail (23mm Ø) Impact Velocity (M/Sec)	:	23
Snow load factor (Pa)	:	5400
Cell temperature Coefficients		
Open Circuit Voltage	:	-0.36 % / oC
Short Circuit Current	:	+0.06 % / oC
Nominal Power	:	-0.43 % / oC
Cable	:	No. 12 AWG, 4 mm ²
Frame	:	Silver Anodized Aluminum Alloy
Junction Box	:	IP65 Junction Box with Four Terminals
Glass	:	3.2mm thick low Iron tempered
Warranty	:	2 yrs on site

FURNITURE SPECIFICATIONS

Computer table: Computer table of the size 4'x2'x2.5' having one key board drawer and two shelves for UPS and CPU based on steel pipe 1"x1" square, frame of 16 gauge, top and shelve made of both side laminated board .

Computer chair Revolving Chair Upholstry/Frame: One piece ply in seat & back with foam & polyfill and leatherite upholstery Seat & back size : 520 mm (w) x 500 mm (D) , 520 mm (w) x 800 mm (H) Arms: Wooden arms with melamine polish with five wheels

HYBRID CONTROLLER SPECIFICATIONS

The controller should be equipped with a such technology which shall charge the battery bank in exceptional weather conditions, when solar energy is not generated. This controller shall draw power from the grid power supply source, where available when renewable energy is not generated. The Smart Controller should be equipped with data log in features. Complete data relating to generation from each source and complete information about consumption is recorded continually. The data so generated is mapped to each of the devices.

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”
PART – A

ORGANISATIONAL DETAILS

1. Name of the Agency : _____
2. Regd. Office Address of Agency with details: _____

3. Corporate/Branch Office address with details : _____

4. Year of Registration/Establishment of Agency (Please attach proof) : _____
5. Corporate Identity No., if any (attach proof) : _____
6. Service Tax Registration No. (with copy as proof) : _____
7. (a) Sales Tax Registration No. (with proof) : _____
(b) Service Tax Code No. (with proof) : _____
8. PAN No. (with proof) : _____

9. TAN No. : _____
(with proof)

10. Copy of Article of Association & MOU, : _____
if applicable

11. ISO Certification : _____
(if available with copy)

12. Bank Account details with Branch Name : _____
& Address _____

13. List of offices in various states & infrastructure available:

Sl. No.	City	Office Address with Tele./Fax No.	Details of Manpower available	Details of Infrastructure available

Please add more columns if required.

14. Brief note on the organization & its various activities including Green Lab's projects
(Please attach as Appendix, as per need)

15. List of Clients

16. Details of nodal officer to be associated with this project

17. Any other relevant details related to organization:

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

PART – B

DETAILS OF EXPERIENCE “ORDERS EXECUTED/ ON-GOING”

1. Details of Experience – About the similar Green Lab project Conducted/Closed and/or on-going. **Please give details as per Format and attach proof for the experience.**

S. No.	Name of organization awarded the work	Order Reference No. and Date.	Value of Order (Rs.)	Date of Commenc -ment of work	Date of Compl etion of work	Remarks
1	2	3	4	5	6	7

Date : _____

Signature & Seal of the Agency

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

PART – C

FINANCIAL CAPABILITY

The agency must have an Annual Turnover of Rs. 200 lakhs every year during the last two years i.e. 2012-13 & 2013-14. The details are to be given as under:

S.No.	Financial Year	Total Income/Turnover (Rs.)
1	2012-13	
2	2013-14	
3	2014-15 (unaudited for current year for reference only & optional)	

The above statement should be supported by relevant proof such as:

- (a) Certified or original copy of Balance Sheet and Profit & Loss A/c duly audited by C.A.
- (b) ITR copies, Auditor's Report.

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

(Agency sending Proposal should also enclose a certificate on Letter Head of Agency as per following format)

Proposal for Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

CERTIFICATE

I, _____ working as _____ in this organization and is authorized to issue this certificate certify that:

- (a) We have read all the terms and conditions of this RFP and certify that we fulfill all the eligibility criteria of this RFP.
- (b) All relevant documents are enclosed.
- (c) The details and contents given in this Proposal are based on factual position & the information given is correct. Nothing has been concealed.
- (d) We have not been black listed by any Govt. Department.
- (e) We have understood that in case it is found that our agency is not fulfilling any of the laid down criteria, or relevant details supporting documents are not found to be enclosed, we will not be given any opportunity by EdCIL for any clarifications and our Proposal will be evaluated based on available documents attached with our Proposal.
- (f) We also understand that in case any of the information given in this Proposal is found to be incorrect/false during the course of verification or otherwise, our Proposal will not be considered any further and will be rejected.

Signature: _____

Name : _____
(Authorized signatory)

Designation: _____

Address of Agency: _____

(With Rubber Stamp)

Dated : _____

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

Financial Bid - Terms & Conditions

1. The agency should quote its Financial Proposal in this Proforma only.
2. The Financial Proposal given should include all the direct and indirect cost including the following cost for which no separate payment will be given by EdCIL:
 - (a) Cost of preparation of Proposal.
 - (b) Liaison work with the client and EdCIL, as is required for execution of project till final closure of the project.
 - (c) Cost for day to day expenses during execution / installation of Green Lab in all the respective districts allocated, **No extra payment will be given on any of the item except the cost agreed upon, as per contract, on lump-sum basis.**
 - (d) Any other activity not mentioned above but is an integral part of the implementation of the project.
3. The payment will be made on phase wise manner as per stage-payment indicated in the work order. This will be subject to receiving payment from the client by EdCIL & after deduction of TDS as per appropriate section of Income Tax Act. The agency selected will also be required to deposit the Performance Security Guarantee of a value of 5% of the work order which will be released after successful closure of the project.
4. To sum-up, the Financial Proposal given by agency will include all the cost including taxes, transportation, commissioning if any, required to be paid by agency on the quantum of payment released by EdCIL to agency.

CONSENT FROM AGENCY

We, M/s _____ have read the above clarifications and terms & conditions. We certify that the Financial Proposal being given by us vide this quotation covers all the direct & indirect expenses required to be incurred by our agency for execution of the project & that in the event of selection of our Agency for executing the work, we will not claim any extra amount, on any item except the cost quoted by us on lump-sum basis in this proposal.

Signature: _____

Name : _____
(Authorized signatory)

Designation: _____

Address of Agency: _____

(With Rubber Stamp)

Dated : _____

Implementation and Commissioning of Class-M Project
“Setting-Up of Green Labs in 4 Ekalavya Schools(Gurukulam) in Andhra Pradesh”

FINANCIAL BID
Performa for Financial Bid (Part – 2)

Item /Description	Unit/ Qty. per school	Details of Cost (Price in INR)	
		Unit Cost for all components	Total Cost for 4 school including all obligation
Part A:			
Solar Power Generation: 1.0 KV Grade A category solar panels	4 No of 12V tubular lead acid battery with 180 AH capacity		
Battery Bank: (upto battery backup of 16 hours usage. Battery's should MNRE approved models.			
Hybrid Controller: Hybrid Controlling Unit can power the computer and charge battery bank as per availability of renewable resources like Sun along with backup option through regular power.	1		
Smart and Energy efficient Computers : 18.5 inch All-IN-ONE computers	20		
Smart and Energy efficient tube lights : 4 Feet LED tube lights with frame	6		
Smart and Energy efficient Ceiling Fans : 56 inch ceiling Fan with remote control	3		
Wireless Network Router : Wireless network router for WIFI connection to computers	1		
School Management system : Online e-education content and assessment and complete school management information systems.	1		
Freight Charges (if any)			
Others (if any)			
Taxes (VAT/CST)	(@ _____)		
Total Turnkey Cost			

PART B			
Furniture: Standard Computer Tables for each School. (Specifications as per Annexure-I) for four schools, 80 tables are required	20		
Standard Computer chairs for each School. (Specifications as per Annexure-I), for four schools, 80 chairs are required	20		
Freight Charges (if any)			
Others (if any)			
Taxes (VAT/CST)	(@_____)		
Total			
Grand Total Part (A+B)			

I/ We hereby declare that details furnished above are true and correct to the best of our knowledge.

Rs. _____ **(In figures)**

(Rupees _____ **Only) In words**

Signature: _____

Name : _____
(Authorized signatory)

Designation: _____

Address of Agency: _____

(With Rubber Stamp)

Dated : _____