

GUIDELINES FOR IMPLEMENTATION OF ADHUNIK PATHSHALA YOJANA

Para 52 Page 23 of Budget Speech Document 2018-19 by HMF reads as under: -

- “(i) **The Chief Minister’s Adhunik Shiksha Yojana has seen the installation of smart classroom program in over 717 classrooms in the state and has seen an enthusiastic response of students and teachers. This year we propose to allocate a sum of Rs. 35 crore for expansion of this scheme to cover another 800 classrooms. This would include select classrooms of VKV schools and Ramakrishna Institutions.**
- (ii) **This scheme will be expanded further this year and one model residential school will be established in each district by upgrading the facility of existing secondary/higher secondary school. It will include provision of a high tech computer laboratory with laptops and free Wi-Fi. The Divisional Commissioner and the Deputy Commissioners would be personally responsible for monitoring the outcomes of these schools. Admission to these schools shall be through District Level Entrance Exams and the best teachers of the district shall be deployed there. A special grant will be provided for running hostel facilities and I am proposing to earmark an additional allocation of Rs. 25 crore for this purpose.”**

PART – (i) of Budget Speech

IMPLEMENTATION OF CM’S ADHUNIK PATHSALA YOJNA (SMART CLASSROOM)

1. Introduction:

Digital India Program focuses on all sectors including Education. Many states in the country have adopted improved methods of teaching through IT and modern approach. Smart classroom is one of such methods. The State of Arunachal Pradesh is lagging behind in this matter. The state needs to catch up with rest of the country in adopting modern approach towards teaching and learning process.

The State Education Department has therefore proposed to take up the modernization of teaching through new IT method during 2017-18.

Under ‘Chief Minister’s Adhunik Shiksha Yojana’ in 1st phase during 2017-18, earmarked fund amounting to Rs. 30.00 crore was placed in the IT Department. Department of IT has re-allocated Rs. 13,14,28,000/- as 50% payment being the 1st installment to Director of Elementary Education and the same was paid to EdCIL (India) Limited as per MoU in the month of September, 2017. Directorate of Elementary Education has already written to Director IT&C for re-allocation of balance fund of Rs. 16,85,72,000/- for implementation of Smart Classrooms to clear the outstanding expenditure relating to Smart Classrooms. The same has not been received from the IT Department during FY 2017-18. Now, we have to clear the outstanding expenditure in FY 2018-19, keep the balance amount of Rs. 16,85,72,000/- in the Budget Provision of SADA, 2018-19. **Committed liabilities of Rs. 16,85,72,000/- will be settled out of Rs 35.00 Crore allotted during 2018-19 and the left amount will be utilized for rest of the schools. Therefore balance amount will be implemented for this stage and accordingly**

the no of schools for remaining amount will be adjusted. VKVs and RK Mission schools are already getting GIA. Hence they are not entitled for this scheme.

2. The 1st phase implementation of Smart classrooms:-

The 1st Phase of smart classrooms has been introduced in the following Govt. Schools of Arunachal Pradesh in 2017-18.

Govt Higher Secondary Schools	- 100
Govt Secondary Schools	- 182
Govt Upper Primary Schools	- 178
Govt Primary Schools	- 253
Total	- 713 schools.

3. The 2nd phase implementation of Smart Classrooms:

3.1 During the budget speech of 2018-19, Hon'ble Deputy CM, who is in charge of Finance, announced amounting to Rs. 35 cr. for implementing the program under 'Chief Minister's Adhunik Shiksha Yojana' in 800 schools as 2nd phase.

3.2 The program is proposed to be in phase wise manner. The 2nd phase is proposed to be introduced in 463 nos. of Govt. Upper Primary Schools.

3.3 Provision of Power Supply:-

3.3.1 The schools with regular power supply but have not covered during the 1st phase implementation of Smart classrooms will be taken up in the 2nd phase during 2018-19. The Deputy Commissioner and DDSE of districts will select such schools and forward the list to Directorate of Elementary Education.

3.3.2 The schools where there is no regular power supply, Solar UPS or Solar Inverter of 1.5 KVA has to be managed by DC or DDSE concerned district.

4. Selection of Devices

There are different types of smart classroom devices available in the market. Some of the types are:

4.1 Fixed devices with separate monitor, Speaker, laptop, projector etc

4.2 Portable Integrated device with all in built components together.

Preference will be given to Para 4.2, which is portable and easy to carry from one class room to another.

5. Selection of service provider and Procurement of Devices

5.1 The Service provider will be the same as last year, i.e., EdCIL, PSU working under MHRD, GoI for easy implementation.

6 Operational Training

6.1 Training of teachers will constitute important component of the program. The Service Provider will arrange for imparting the required training for Master trainers at State level and then teacher training in the selected schools. This will be followed by teacher training in the selected schools on quarterly basis for one and half year. Thereafter, refresher training will be organized in every six months. Training report

along with attendance sheet and copies of feed back of the teacher trainees will be submitted to the Director of Elementary Education after every training programme.

7. Preventive maintenance

7.1 Technical support and maintenance will be another important component for sustaining the program. The Service Provider will have to deploy engineers to attend any technical problems of the devices in short notice within 3 to 5 days.

7.2 The service Provider should preferably engage local unemployed qualified youths.

7.3 The service provider should have zonal technical supports team for each of the five Zones as identified by the department at **para No.16.4.2**

8. Mode of Delivery of Devices

8.1 The stocks will be delivered by the Service Provider up to school door step. The devices will be delivered first in the Directorate of Elementary Education office. The same will be verified at the State level with the help of technical persons from the IT&C Department, Govt. of Arunachal Pradesh.

8.2 Thereafter, the devices will be dispatched to the DDSE's in the district. Before dispatching, to the selected schools, DDSE will arrange physical verification and technical specification of the devices under the chairpersonship of respective Deputy Commissioner along with technical persons from NIC in the Districts.

9. Programme Management

9.1 State Level

The overall responsibility of the programme at the State level shall rest with Directorate of Elementary Education. A cell, headed by a Nodal officer, not below the rank of Sr. Group "A" officer having sufficient experience in the sector assisted by an officer having minimum rank of Group "B" officer of school level experience will manage the programme implementation.

9.2 District Level

A cell headed by DDSE along with a BEO (Academic) Cum Programme Coordinator assisted by Master Trainer will oversee the implementation of the programme in all selected Govt. Schools of the district. The cell would monitor the programme and also to maintain all records including physical reports on monthly basis to be sent to the State for further necessary action.

9.3 School Level:

The Head of the School assisted by the computer teacher would be responsible for the school-level implementation. The School Management Committee, the Parents Teacher Association and the local bodies would be fully involved. All efforts would be made to make the school an information hub for the local community.

10. Monitoring & Evaluation:

10.1 For proper and smooth implementation of the project, the Monitoring & Evaluation mechanism will be evolved strong and effective as under:-

10.1.1 External Monitoring will be conducted by the Department of IT&C, GoAP. The External Monitoring Institution will have to monitor at least 10 nos. of ICT selected schools in each district from all 23 districts including Capital Complex every quarter. The report along with corrective suggestion of the same to be submitted to the Education Department annually for period of 3 years, w.e.f. 2018-19 to 2020-21.

10.1.2 Internal Monitoring will be conducted by the Education Department. The monitoring & action taken reports of Districts and Blocks to be submitted to the Director of Elementary Education in every month for onward submission to the Govt. A system of monitoring from State level to Block level will be constituted as under:

10.1.2.1 State Level Monitoring Committee:

- | | | |
|------|--|------------|
| i) | Secretary (Education)/ Special Secretary (Education) | - Chairman |
| ii) | Director Elementary Education | - Member |
| iii) | Director Secondary Education | - Member |
| iv) | Nodal officer (Elementary) | - Member |
| v) | Nodal officer (Secondary) | - Member |

10.1.2.2 In the district level, the following officers and officials are the member of the monitoring committee:

- | | | |
|------|--|------------|
| i) | Deputy Commissioner | - Chairman |
| ii) | DDSE | - Member |
| iii) | Principal (1 from any Hr. Sec. school) | - Member |

10.1.2.3 In Block level, the following officers and officials are the member of the member of the monitoring committee:

- | | | |
|------|--|------------|
| i) | Administrative officer/ADC/EAC/CO | - Chairman |
| ii) | Block Education officer (BEO) | - Member |
| iii) | Head master/Head mistress (1 from any Sec. school) | - member |
| iv) | Cluster Resource Center Coordinator (CRCC) | - Member |

10.2 The impact assessment of the smart classroom project will be done by the Directorate of Elementary Education to judge the effectiveness of the system.

10.3 The 1st assessment will be done sometime in the month of October – November 2018. Remedial steps will be suggested to further improve the system and method of teaching.

10.4 The Department will appraise the implementation of the project to the Chief Secretary from time to time.

11. Component wise detail of Management Cost

11.1 Fund amounting to Rs. 1,06,14,336/- to be proposed to keep for Management cost of the ICT Project. Component wise detail is below:-

Slno.	Components	Nos. of beneficiaries	Amount
1	Training expenses at schools level	463 Nos. of schools X @ Rs 500 X 9 phases training at each school during 3 years	Rs. 20,83,500/-
2	Internal Monitoring and Evaluation/T.E	Officers/officials engage from State, District and Block levels.	Rs.10,00,836/-
	External Monitoring and Evaluation/T.E	From IT&C. Department, GoAP or other Institutes @ Rs. 35,000/-per dist. annually.(35,000 x 23 =8,05,000) 8,05,000 x 3 years = 24,15,000/-	Rs.24,15,000/-
3	Review meetings	Officers/officials from State, Districts and Block level. Community & SMC	Rs.5,00,000/-
4	Maintenance of electrification	463 x @ Rs.5000/-1 time payment	Rs.23,15,000/-
5	Office expenses, other incidental expenses, etc.	State, Districts, Blocks and Schools level	Rs.23,00,000/-
Total			Rs.1,06,14,336/-

11.2 Rest of the fund to be utilized in procuring the ICT equipments and services.

12. Payment Terms:

The payment will be released by Department of Elementary Education, govt. of AP.

12.1 50% payment shall be released on delivery of all the ICT Items as per work order

12.2 20% payment shall be released on Installation & Commissioning of the ICT items.

12.3 20% payment shall be released on completion of 2nd Phase of training.

12.4 10% Payment shall be released on completion of 2nd Year of the contract.

13. Re-allocation of Fund:

13.1 This ICT Project is an ongoing programme for the period of 3 years from 2018-19 to 2020-2021. The earmarked fund amounting to Rs. 35 cr. against the project will be made payment as mentioned at para no. 11 & 12.4 of Guideline after successful completion of work/ fulfillment of term & condition of Guideline.

13.2 So, lapsed / unspent fund if any to be re-allocated in the next Financial Year of 2019 – 2020 and 2020 – 2021 respectively.

14. Validity of the contract:

14.1 The Contract shall be normally valid for a period of Three years from the date of acceptance of the Work Order.

14.2 The Contract shall be subject to review at all times during the contract period for the Satisfactory compliance and implementation of all aspects of the ICT programme. The performance appraisals conducted by or on behalf of the State.

14.3 The Contractor shall hand over the IT infrastructure to the Department at the end of the contract period, in proper working conditions. All software components shall be up to date and upgraded. Licenses if any shall be handed over to the Department. A certificate of handing over along with a checklist of all components supplied as per the initial Work Order and a certificate of satisfactory condition of the infrastructure will form a part of the final settlement of the contract period.

15. Performance Security:

15.1 The service provider will be required to furnish a performance security deposit of 10% of the contract value after receiving work order in the form of Bank Guarantee from any Nationalized Bank duly pledged in the name of the “Directorate of Elementary Education, Department of Education” which shall be kept valid for the entire contract period. The security deposit can be forfeited in the event of any breach or negligence of any condition of the contract.

15.2 The performance security will be discharged after completion of contractors performance obligations (including warranty/ Guarantee period) under the contract.

16. Responsibility of Service Provider / Contractor:

16.1 Delivery of ICT :

The sole responsibility will be on the service provider to deliver the ICT devices to the selected Schools and submitted the delivery challan with proper seal & sign of the School authority, after obtaining counter sign from the DDSE,s of the concern district to the Department.

16.2 Installation & Commissioning:

The installation and commissioning of the device will be done within 10 days from the date of delivery. Report of the same to be submitted with proper seal & sign of the School authority, after obtaining counter sign from the DDSE of the district concerned to the Department. .

16.3 Teachers’ training:

16.3.1 Training : The training programme will be continued as per para no. 6.1 of Guideline.

16.3.2 Refresher Training: Refresher trainings in use of ICT in teaching should be provided to all teachers of the selected schools in every six months.

16.4 Maintenance of the ICT Infrastructure:

16.4.1 A maintenance and repair arrangement should be put in place to ensure regular up keeping of the ICT infrastructure. The teacher attached to the school should be trained and undertake day to day troubleshooting, repairs and maintenance of hardware, updation and upgradation of software and ensure that provider through telephonic or online support mechanism in this task.

16.4.2 At the next level, a trained maintenance support team should be available at each 5 zones of **Pasighat** (cover West Siang, East Siang, Siang, Lower Siang and Upper Siang), **Namsai** (cover Lohit, Dibang Valley, Lower Dibang Valley, Namsai, Longding, Changlang, and Tirap), **Bomdila** (cover Tawang, East Kameng and west Kameng), **Ziro** (Lower Subansiri, Kamle, Upper Subansiri, Kra Daadi and Kurung Kumey) and **Itanagar** (Capital Complex and Papum Pare) with a mechanism to receive, analyse and redress complaints promptly.

16.4.3 Availability of spares, replacements where needed should be ensured at these stations. A monitoring, supervision and help desk mechanism should be set up for the overall project. This team should coordinate all complaints, maintain records and periodically communicate the same to the Department of Education.

16.5 Insurance of ICT Devices

16.5.1 The service provider have to made sure that the ICT devices are insured for the period of 3 years, so that in case of any theft or damage caused by natural calamities a new device can be given to the effected schools which will help in ensuring the smooth running of the ICT classes provided the evidence of the same from the Govt. Authority.

16.5.2 The additional fund for insurance of devices may be made available every year

16.6 After Sales Service:

16.6.1 Comprehensive warranty: The service provider will / shall provide comprehensive on-site warranty (including labour and spares) for 3 years (36 months) from the date of installation. The warranty shall cover all the hardware items and software of the ICT devices.

16.6.2 Preventive Maintenance: The service provider will conduct preventive maintenance of the ICT equipments at least thrice in a year and submit the report to the Department.

16.7 Annual Maintenance Contract (AMC):

After warranty period of 3 years the service provider will have to enter into AMC with the Department with the price agreed upon. These charges should include all items, which need repair / replacement excluding consumables. The cost of AMC after warranty period of 3 years shall be done on the basis of value of the items when required. The

period of AMC will be minimum of 3 years. The cost of AMC for per device say 5% of the cost equipment may be made available after successfully completion of the contractual period of 3 years in 2021.

16.8. Multimedia base Curriculum as per State Syllabus mapped with NCERT.

16.8.1 The content should be as per CBSE mapped with NCERT curriculum. The multimedia interactive content will be from classes I to XII .

16.8.2 The multimedia learning units should cover the subjects like English, Math, Science, Geography, Hindi and Social Science for class 1 to class X.

16.8.3 And for class XI to XII the subject like English, Hindi, Education, Political Science, Accountancy, History, Geography, Math, Physics, Chemistry and Biology or as suggested by the Education Department after scrutiny by the Subject experts from SCERT.

16.9 Content Modules: The multimedia learning modules should includes a variety of 2D & 3D animation and good quality of audio-video based modules on concepts across multiple subjects in order to enhance interest levels of the students. The modules should also help to bring real-world examples into the classroom, thus greatly enhancing conceptual understanding.

16.10 Educational Videos: Educational videos will be there to explain difficult concepts in a very simplistic, short and contextual manner. These videos should use easily available elements to explain any given concept, thereby encouraging the student to explore new concepts with ease and confidence.

16.11 Assessment: There should be provision of taking assessment at the end of every chapter of the subjects.

16.12 Work Sheet: This will help the teacher to take test in the classes.

PART – (ii) of Budget Speech**IMPLEMENTATION OF CM's ADHUNIK PATHSALA YOJNA (RESIDENTIAL MODEL SCHOOL)****1. Development of Infrastructure**

Under the CM's Adhunik Pathsala Yojna, the State Govt. has taken up the project of establishment of Residential Model Schools in all the 23 districts of the State. Accordingly, the Department of Planning has already taken up for establishment of 10 Model Schools in the boarder district of the State under BADP for which a sum of Rs. 99.72 Lakh each has been sanctioned to the concerned districts as shown below: -

Sl. No.	Name of the Boarder Block	Name of School	Fund released (Amount in Rs.)
1	Tawang	C/o Model School at Govt. Sec. School under Tawang CD Block	99,72,000/-
2	West Kameng	C/o Model School at Govt. Sec. School Ramacamp under Dirang CD Block	99,72,000/-
3	East Kameng	C/o Model School at Govt. Sec. School, New Bameng under Bameng CD Block	99,72,000/-
4	Kurung Kumey	C/o Model School at Govt. Sec. School, Damin under Damin CD Block	99,72,000/-
5	Upper Subansiri	C/o Model School at Govt. Sec. School, Siyum under Siyum CD Block	99,72,000/-
6	West Siang	C/o Model School at Govt. Sec. School, Monigong under Monigong-Pidi CD Block	99,72,000/-
7	Dibang Valley	C/o Model School at Govt. Sec. School, Etalin under Etalin-Malinye CD Block	99,72,000/-
8	Changlang	C/o Model School at Govt. Sec. School, Laktong under Khimyang CD Block	99,72,000/-
9	Tirap	C/o Model School at Govt. Sec. School, Khonsa under Khonsa CD Block	99,72,000/-
10	Longding	C/o Model School at Govt. Sec. School, Pongchau under Pongchau CD Block	99,72,000/-
		Total: -	9,97,20,000/-

In addition to above, with an additional allocation of Rs. 25.00 Crore under CM's Adhunik Pathsala Yojna. The Department of Education has identified the schools in the remaining 13 districts for establishment Residential Model Schools under CM's Adhunik Pathsala Yojna for which a sum of Rs. 13.00 Crore will be utilized @ Rs. 1.00 Crore to each district as given below. It will include provision of Hi-Tech computer laboratory with laptops and free Wi-Fi facilities, etc.: -

Sl. No.	Name of the Boarder Block	Name of School recommended by DC	Fund proposed (Amount in Lakh)
1	Papumpare	Upgradation to Model School at Govt. Sec. School, Mani under Doimukh CD Block	100.00
2	Capital Complex	Upgradation to Model School at Govt. Sec. School, Chimpu under Borum CD Block	100.00
3	Lower Subansiri	Upgradation to Model School at Govt. Sec. School, Pistana under Yazali CD Block	100.00

4	Kra Daadi	Upgradation to Model School at Govt. Sec. School, Lumba at Palin CD Block	100.00
5	Upper Siang	Upgradation to Model School at Govt. Town Sec. School, Yingkiong under Yingkiong CD Block	100.00
6	Siang	Upgradation to Model School at Govt. Sec. School, Kebang under Kebang CD Block	100.00
7	East Siang	Upgradation to Model School at Govt. Gandhi Sec. School, Pasighat under Pasighat CD Block	100.00
8	Lower Dibandang Valley	Upgradation to Model School at Govt. Sec. School, Mayu under Roing CD Block	100.00
9	Anjaw	Upgradation to Model School at Govt. Middle School, Khupa under Hayuliang CD Block	100.00
10	Lohit	Upgradation to Model School at Govt. Sec. School, Tezu under Tezu CD Block	100.00
11	Namsai	Upgradation to Model School at Govt. Sec. School, Namsai under Namsai CD Block	100.00
12	Lower Siang	Upgradation to Model School (Proposal awaited from District)	100.00
13	Kamle	Upgradation to Model School (Proposal awaited from District)	100.00
		Total: -	1300.00

The balance Rs. 12.00 Crore out of the additional allocated fund of Rs. 25.00 Crore under the Yojna will be utilized for strengthening of all the 23 Residential Model Schools of the State @ Rs. 52.17 Lakh to each Residential Model School.

2. Execution of the Scheme

At the district level, A District Level Executive Committee will be formed comprising of the following members:

- | | | | |
|------|------------------|---|----------------------------------|
| i. | Chairperson | : | Deputy Commissioner |
| ii. | Member Secretary | : | Deputy Director School Education |
| iii. | Member | : | Superintendent of Police |
| iv. | Member | : | Principal / Headmaster |
| v. | Member | : | Block Education Officer |

3. Functioning of Residential model School

The proposed Model Schools both through BADP and State Govt. will function as per the following stipulations to bring results as desired by the Govt :

- The Co-Ed Residential Model School being upgraded will be assumed to be adopted by the DC and DDSE concerned.
- Deputy Commissioner should ensure residential facility in these Co-Ed schools from this year 2018-19 session itself.

- (iii) For this year session 2018-19, students' admission and teacher posting will be done at District level. From next year, overall direction for selection of students & teachers will be issued centrally from Head-quarters i.e., Department of Education.
- (iv) The School is to start functioning from **1st Aug** 2018 positively.
- (v) Enough publication regarding functioning of the school and selection procedure is to be done both at District and State Level by way of public notice in Newspaper.
- (vi) Interested and competent Govt. in-service Principal and 05 (Five) subject specific TGTs with merit will be posted in these schools through an Interview Board headed by DC concerned in person (and not to be substituted by any subordinate staff) **by July** end.
- (vii) The performance of Principal and teachers will be judged through their respective result and performance.
- (viii) The Principal and specific teachers for the model school will have to stay in campus or nearby places. It being a pre-condition.
- (ix) There will be 2 entry levels this year i.e., Class VI (for Class V Passed) and Class IX (for Class VIII Passed) students.
- (x) Admission is restricted to only one section of 30 meritorious Students (Boys and Girls) for class VI and IX on the basis of merit in the result of their specific entrance test.
- (xi) Entrance test will be open for all categories of students (Govt. / Govt. aided / Private / KV / JNV / KGBV etc) for sieving / hunting best academic students to ensure merit. Candidate applying for admission must have scored at least 60% marks in the preceding classes.
- (xii) District level examination for admission to these schools would be conducted by July end under overall supervision of DC concerned, assisted by DDSE. Schedule of entire examination must be notified during the month of June. The question paper should be of moderate and above level of difficulty.
- (xiii) The other students already admitted in these schools will continue their studies as usual. However, the specific teachers posted will put special emphasis on the selected students of class VI and IX.
- (xiv) The Superintendent of Police should also be a member of the SMC of these schools to take care of the security related aspects in a befitting manner.
- (xv) The scheme will be kept dynamic for coming years so as to further develop the concept of these schools to bring them up as "Centres of Excellence" on the basis of outcomes noticed every year.