

## **Project Title: Establishment of Intelligent Educational Infrastructure at EMRSs**

### **A. About Project:**

In year 2021, Ministry of Electronics and Information Technology (MeitY) had approved the project “Establishment of Intelligent Educational Infrastructure (Smart) in Eklavya Model Residential Schools (EMRSs)”. The project was funded jointly by MeitY (90% contribution) and Ministry of Tribal Affairs (MoTA) (10% contribution). The project covers 290 EMRS in three phases, Viz. Phase-1: 48 schools, Phase-2: 126 schools and Phase-3: 116 schools. The Phase-1, Phase-2 and Phase-3 of the project have been completed. Under the project, there are eight (8) digital smart classes in each EMRS by delivering following ICT infrastructure:

- Digital Interactive Boards (65 inches): 8 Nos
- 1KVA UPS: 8 Nos;
- Wi-Fi Access Point (WAP): 4 Nos;
- Internet Leased Line Link of 10Mbps;
- Training to the teachers for handholding & usages of supplied items;

### **B. Guidelines for Usage of Smart Classes:**

1. All the items supplied and installed under the project at your school are from Grant-in-Aid of MeitY and MoTA. Thus, please include the assets at the book value in your accounts. However, the items would be the property of Govt. of India and ownership of the items will continue to vest with MeitY and MoTA. The item supplied under the project shall not be disposed of by EMRS without obtaining prior approval of Ministry of Electronics and Information Technology (Meity) through ERNET India.
2. The school shall maintain good earthing and its proper connection for all supplied items under the project.
3. The school should provide power supply to the Internet Modem/Router equipment from UPS system.
4. The school shall ensure safety and security of all supplied and installed items under the project.
5. The school should make their own policy on secure usage of Internet.
6. Internet connectivity is provided with one year of subscription charges. However, it can be continued after one year period by paying its annual subscription charges to BSNL by EMRS/ NESTS/ MoTA.
7. Please use the smart classes’ setup under the project to improve learning/teaching outcomes of students/teachers.
8. In case of any problem/ defect / non-functioning of any item during the warranty period or any problem in the Internet link during its one-year subscription period, its complaint can be lodged to ERNET India.

9. The items supplied under the project are under warranty for a period of one year with ERNET India subject to the following conditions:

- (i) There should not be any physical damage, misuse and neglect of the items.
- (ii) The supplied item should not be opened or tampered by anyone other than authorized engineer/official of ERNET India.
- (iii) The supplied equipment should not be shifted by anyone other than authorized engineer/official of ERNET India.
- (iv) Any loss and theft of the item is not covered under warranty.
- (v) Damage to the item due to any force majeure conditions like earthquakes, fire, floods, storms, tsunami, lightning, etc. is not covered under warranty.
- (vi) Any damage due to improper earthing to the supplied and installed items.

ERNET India will not be responsible for the failure of the supplied items if it is due to above reasons. Therefore, EMR School shall take all above precautions for the proper working and maintenance of the items.

### **C. SoPs for Installation of Online Labs for School Lab (OLab) Experiments:**

The OLabs is an educational initiative pioneered by Amrita CREATE, the Amrita Center for Research in Analytics, Technologies & Education at Amrita Vishwa Vidyapeetham in partnership with CDAC, Mumbai. The OLabs contents can be downloaded on Smart Board (DIB) by using OLabs Android application installation file (.apk file). The procedure for installation of OLabs is given below:

1. To download the .apk file, click the given link.
  - Link: [https://drive.google.com/file/d/1Sejf9JUeTMrnKnCp\\_BovG50cUuuVHMvv/view?usp=sharing](https://drive.google.com/file/d/1Sejf9JUeTMrnKnCp_BovG50cUuuVHMvv/view?usp=sharing)
  - Short link for .apk file: <https://shorturl.at/wuyLp>
2. To install the OLabs Android application, follow the mentioned steps:
  - Click on the downloaded OlabsApp(Smartboard).apk file.
  - A pop-up window will appear, click on the INSTALL button given in the pop-up window
  - Installation will start. Wait for a few seconds until installation is in progress.
  - After installation is done, go to your home manager and open the Online Labs applications
3. To download the OLabs content for class 6th to 12th, the links are given in the attached OlabsApp-Installation-User-Manual.
4. Use the following link for ERNET OlabsApp Installation User Manual:  
[https://docs.google.com/document/d/1-JIa2KC\\_m2MB6RbkWv5MpAwYU3Nh6AUaLwgEN1b-XTM/edit?usp=sharing](https://docs.google.com/document/d/1-JIa2KC_m2MB6RbkWv5MpAwYU3Nh6AUaLwgEN1b-XTM/edit?usp=sharing)
5. Offline Installation from URL in Smart Board: Installation video manual:  
<https://drive.google.com/file/d/1DZIQbfIoGVPHQqiWT8pFc-3yoaecavpX/view?usp=sharing>

6. Once the OLabs App has been successfully installed, kindly refer to the instructional video titled “How to Use OLabs on a Smart Board” for the use of OLabs app on smart board. Link of Video:

[https://drive.google.com/file/d/1K6nSq3xxPC5x\\_B87GaXphb0d3xmrUHgT/view?usp=sharing](https://drive.google.com/file/d/1K6nSq3xxPC5x_B87GaXphb0d3xmrUHgT/view?usp=sharing)

**D. SoPs for DIKSHA Platform:** DIKSHA (Digital Infrastructure for Knowledge Sharing) is a national platform for school education, an initiative of National Council for Educational Research and Training (NCERT) under the aegis of the Ministry of Education (MoE), GoI and was launched in 2017 by Honorable Vice President of India. DIKSHA can be accessed by learners and teachers across the country and currently supports 126 Indian languages and 07 foreign languages. The DIKSHA web portal can be accessed as given below:

1. Type in the browser URL: <https://Diksha.gov.in>.
2. To explore content on DIKSHA Go to the Login Tab and make a profile on home page of the DIKSHA portal by filling credentials of the school.
3. Select the preferences such as Board, Medium, class subject, content type.
4. Explore the learning resources/content of your choice and click on it to start the lessons/content.

The manual for the above-mentioned process, along with pictorial illustrations, is available on the ERNET India website under the ongoing EMRS Project. The URL of manual is: <https://ernet.in/content/ongoing-projects>

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