OFFICE OF THE CHIEF ENGINEER
LOCAL SELF GOVERNMENT DEPARTMENT
3RD FLOOR, REVENUE COMPLEX
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No. DB4/7579/2014/CE/LSGD   **Dated : 16.03.2015**

CIRCULAR

It is proposed to construct virtual classrooms in 28 block panchayaths under RGPSA. The field study have already been done and locations identified (Annexure I). Assistant Executive Engineers of the respective block panchayaths are directed to prepare the estimates and report the estimate amount to this office by 19.03.2015.

1) The room should be enclosed properly and made sound proof and dust proof. Suitable flooring should be provided. Walls should be putty finished. White / light colour paints should be used.

2) A/C should be provided.

3) Seats shall be arranged in a curved pattern in steps, so that the camera can capture all the participants.

4) Camera will be placed in front of the class room. Horizontal angle of view of the camera is around 80^0

5) Electrification should be included in the estimate and executed as per GO(Rt)No. 3033/2014/LSGD, dated 21.11.2014.

6) Chairs with writing pad should be provided. Tables can also be provided if space permits.

7) All electronic equipments will be arranged through Kerala State IT Mission.

Further details are given in Annexure II.

Funds are to be fixed as per estimate amount. Hence Secretary to Govt. has directed to prepare the estimate as three different types.
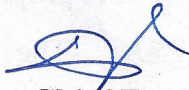
a) Highly sophisticated with all facilities without any restriction of the amount.

b) Medium-incorporating the necessary items

c) Incorporating only the very essential items.

This concept has to be followed while preparing the estimate for virtual class room.

For enquiries

1) Sri. Muraleekrishnan (Kerala State IT Mission) - 99957 55177

2) Smt. V.M. Fathima (Asst. Exe. Engineer, O/o the Chief Engineer, LSGD, Thiruvananthapuram) – 9447856881

Chief Engineer

PVR/-

LIST OF BLOCK PANCHAYATS SELECTED FOR SMART CLASS ROOM (TRAINEE NODES)

DISTRICT	SLNo	BLOCK	DIMENSION OF THE HALL
Thiruvananthapuram	1	Vamanapuram	8.7 X 6.2
	2	Athiyanoor	8.5X5.5
kollam	1	Mukhathala	11.4 X 6.4
	2	Oachira	10.4 X 12.6
Pathanamthitta	1	Elanthoor	7.7 X 5.8
	2	Pandalam	13.7 X 7.2
Alappuzha	1	Kangikuzhy	6.8 X 6.25
	2	Chengannur	6 X 7.55
Kottayam	1	Erattupettah	11.5 X 7.4
	2	Uzhavoor	11.0 X 7.0
Idukki	1	Idukki	10.6 X 3.42
	2	Azhutha	10.1 X 5.1
Ernakulam	1	Alangadu	9.8 X 8.1
	2	Pambakuda	9.45 X 5.2
Thrissur	1	Thalikkulam	18.0 X 6.45
	2	Mala	7.5X9.6
Palakkad	1	Mannarkkadu	12.60 X 4.50
	2	Aalathoor	4.54 X 9.54
Malappuram	1	Vandoor	13.5X6.5
	2	Vengara	14.25X6.2
Kozhikode	1	Kunnamangalam	5.4X10.2
	2	Kunnummel	9.6X6.3
Wayanadu	1	Mananthavadi	12.0X5.0
	2	Sulthan Batheri	16.3X7.6
Kannur	1	Koothuparambu	
	2	Payyannur	15.0X4.5
Kasargode	1	Kasargode	5.9X12.0
	2	Kanhangadu	14.25X10.7

LOCATIONS OF STATE/TRAINER NODES

SLNo	LOCATION
1	Swaraj Bhawan, Thiruvananthapuram
2	SIRD, Kottarakkara
3	Kaduthuruthy Block Office, Kottayam
4	KILA, Thrissur
5	ETC, Thaliparamba, Kannur

VC room design:

Assumption is that there is not hands-on training sessions otherwise, individual desktops or laptops to be provided. *Suggestion is to setup one trainer location with all infra and one remote location for finalizing design and placement of VC equipment as demo to understand pros & cons at each location*

1. Proper lighting. Room should not be dark

2. Sound proof room. External noise should not be heard inside the room

3. Light focus should not be directly towards camera but only towards participants

4. Wall fixed displays.

5. Camera to be placed above display placed at locations where displays are provided

6. Camera at trainer location to be placed strategically where trainer and content is clearly visible remotely. Hence, placement of trainer and lighting around him would be essential

7. Seating arrangement to ensure that each participant is able to view display without hindrance

8. No. of participants in each row to be fixed based on size of rooms. This is necessary for fixing the distance for camera placement as it would affect the camera coverage. Suggestion is to have 10 participants in 4 curved format rows.

9. Light paints to be used in rooms

10. Each room should have a location board name on the wall opposite to camera for location identification

Requirements for VC equipment setup:

1. Room size

2. Projection size to be determined at remote location so that all 40 participants from any corner of seat is able to read the content without difficulty

3. Decision on which side of wall will the display/ projector's projection and camera be fixed and which side participants to be seated. This is required for VC provider to install the equipment once delivered

4. Seating arrangement design, distance and height for camera focus to be fixed. Ideally, for a participant size of 30-40, camera should be placed at least 5-8 ft away from the 1st row of participants.

5. Placement of mics at remote locations and its nos. 1 mic for 2 rows covering 20 participants.

Content sharing:

1. Each content to be shared across locations should be softcopy

2. MCU has the feature to share content across all locations

3. If a remote location wants to share a content, the same should be provided as softcopy to moderator or official managing MCU

Sample designs: