



ABSTRACT

Technical Education – Announcement during the Budget Speech 2021-22 – Provision of One Smart Class Room in 50 Government Polytechnic Colleges and Procurement of Education Video Modules / Simulation Software for the office of the Directorate of Technical Education– Administrative and Financial sanction – Orders – Issued.

Higher Education (B1) Department

G.O. (Ms). No.237

Dated: 26.11.2021

பிலவ வருடம், கார்த்திகை 10
திருவள்ளூர் ஆண்டு 2052

Read :-

1. Announcement made by the Hon'ble Minister for Finance and Human Resources Management in the Floor of the Legislative Assembly during the Budget Speech on 13.08.2021.
2. From the Director of Technical Education Letter No. 38883 / H3 / 2021, dated : 04-10-2021 and 27.10.2021.

ORDER :

During the Budget Speech 2021-22, among others, the Hon'ble Minister for Finance and Human Resources Management has made the following Announcement in the Tamil Nadu Legislative Assembly on 13.08.2021:

“Smart class rooms will be provided in 25 Government Polytechnic Colleges at a cost of Rs.10 crore”.

2. For implementing the above Announcement, in the letters second read above, the Director of Technical Education has stated that there are 51 Government Polytechnic Colleges are functioning in Tamil Nadu under the control of Directorate of Technical Education. Out of which, smart class rooms have already been established in 17 Government Polytechnic Colleges at Chennai (3), Coimbatore(2), Madurai (2), Trichy, Vellore, Karaikudi, Nagercoil, Nilgiris, Pudukottai, Thouthukudi (2), Nagapattinam and Krishnagiri.

3. The Director of Technical Education has also stated that in order to apply classroom learning to real life situations and also to make it easy for all the students studying in the Government Polytechnic Colleges to apply Knowledge in contexts that vary from those typically found in textbooks, it is decided to provide smart class rooms

in 50 Government polytechnic Colleges functioning in Tamil Nadu. She has further stated that, according to the cost of equipments, the total cost of erecting one smart classroom is Rs.19.50 lakh and the total cost of expenditure for provision of the Smart Class Room for 50 Government Polytechnic colleges is as follows:-

Description	Amount (Rs. In Lakh)	
Estimated cost for the provision of Smart Class Room in one Polytechnic College	19.50	
Amount required for the provision of Smart Class Rooms in 50 Government Polytechnic Colleges (One Smart Class Room per College)		975.00
Procurement of Education Video Modules / Simulation Software		25.00
TOTAL		1000.00
Total (Rupees in Crore)	Rs.10.00 Crore	

Hence, she has requested the Government to accord necessary Administrative and Financial sanction for a sum of Rs.10.00 crore (Rs.975.00 lakh+ Rs.25.00 lakh) towards the Provision of Smart Class Rooms in 50 Government Polytechnic Colleges (One Smart Class room per College) mentioned the Polytechnic Colleges in Annexure I, as per the specifications in the Annexure II and Procurement of Education Video Modules / Simulation Software for the office of the Directorate of Technical Education, so as to be shared to all the proposed Smart Class Rooms respectively.

4. The Government after careful examination of the proposal of the Director of Technical Education, have decided to accept it and accord administrative and financial sanction for a sum of Rs.10.00 crore (i.e) Rs.975.00 lakh towards the Provision of Smart Class Rooms in 50 Government Polytechnic Colleges (One Smart Class Room per college@ 19.50 lakhs per college) as mentioned in the Annexure I, as per the specifications in the Annexure II and Rs. 25.00 lakh towards Procurement of Education Video Modules / Simulation Software for the office of the Directorate of Technical Education, so as to be shared to all the proposed Smart Class Rooms, respectively.

5. The expenditure sanctioned in para 4 above shall be debited under the following Head of Account:-

2203 00 – Technical Education – 001 Direction and Administration – State's Expenditure - AF Establishment of Smart Class Room in Government Polytechnic Colleges – 309 Grants-in-Aid – 03 Grants for specific scheme (IFHRMS DPC 2203 00 001 AF 30903).

6. The expenditure sanctioned in para 4 above shall constitutes an item of "New Service". The approval of the Legislature will be obtained in due course. Pending approval of the Legislature, the expenditure may be initially met by drawal of an advance from the Contingency Fund. The Director of Technical Education is directed to calculate the actual amount required for the period upto next Supplementary Estimates and apply for sanction of the same as advance from the Contingency Fund to Finance (BG-I) Department directly in Form "A" appended to the Tamil Nadu Contingency Fund Rules, 1963 along with a copy of this order. Orders for sanction of advance from the Contingency Fund will be issued from Finance (BG-I) Department. She is also requested to send necessary explanatory notes for inclusion of the above expenditure in the Supplementary Estimates 2021-22 to Finance (BG-I/Edn-I) Department at an appropriate time without fail.

7. The Director of Technical Education is the Estimating, Reconciling and Controlling authority for the above said new head of account.

8. The Pay and Accounts Officer / Treasury Officer concerned are directed to open the above new head of account in their books.

9. This order issues with the concurrence of Finance Department vide its U.O.No.51849/Edn-1/2021,dated 26.11.2021 and ASL No.950 (Nine hundred and fifty)

(BY ORDER OF THE GOVERNOR)

D. KARTHIKEYAN
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Director of Technical Education,Chennai-25.

The Principal, Government Polytechnic Colleges concerned.

(through the Director of Technical Education, Chennai-25)

The Accountant General, Chennai-18.

The Pay and Accounts Officer (South),Chennai-01/ 35.

The Treasury Officers concerned.

Copy to:

The Hon'ble Chief Minister's Office,Chennai-9.

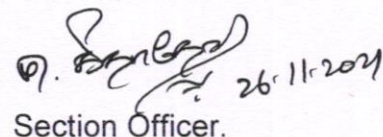
The Special Personal Assistant to Hon'ble Minister (Higher Education), Chennai-9.

The Private Secretary to Principal Secretary to Government,
Higher Education Department, Chennai-9.

The Finance (Edn-I/BG-I/BG-II/WM-I) Department, Chennai-9.

Sf/sc.

//Forwarded by order//


26/11/21
Section Officer.

26/11/21

Higher Education (B1) Department

**Annexure - I to G.O.(Ms).No. 237, Higher Education (B1) Department, dated
26.11.2021**

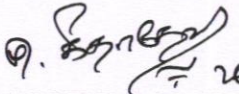
Sl. No.	Name of the Colleges
1	Government Polytechnic College, Ariyalur, Ariyalur District – 621 707.
2	Government Polytechnic College, Dr. Radhakrishnan Nagar, Chennai
3	Government Polytechnic College, Boomandahalli Village, Boomandahalli Post, Palacode Taluk, Dharmapuri District - 635 205.
4	Government Polytechnic College, Bosinayakanahalli, Maniyambadi Post, Kadathur, Dharmapuri District - 635 303.
5	Government Polytechnic College, Perundurai, Erode District - 638 052.
6	Government Polytechnic College, Kanniyalampatti Post, Karur District - 621 301
7	Government Polytechnic College, Uthangarai, Krishnagiri District
8	Government Polytechnic College, Bodinachipalli Village, Kelamangalam, Utthirampalli (Post), Denkanikottai Taluk, Kirshnagiri - 635 113.
9	Government Polytechnic College, Ambalakaranpatty Village, Melur Taluk, Madurai - 625 109.
10	Government Polytechnic College, Uthappanaickanur, Usilampatti, Madurai District - 625 537.
11	Government Polytechnic College, Chekkanurani, Thirumangalam, Madurai District - 625 514.
12	Government Polytechnic College, Kilakanavoi Village, Velur Post, Perambalur District - 621 104.
13	Government Polytechnic College, Gandharvakottai, Pudukottai District - 613 301.
14	Government Polytechnic College, Mettur Taluk, Vanavasi Village, Salem District
15	Government Polytechnic College, Ragunathapuram, Papanasam, Thanjavur District - 614 205
16	Government Polytechnic College, Kottur Village, Theni Taluk, Periakulam, Theni District - 625 534.

17	Government Polytechnic College, Tekkampatti Village, Andipatti, Theni District - 625 517.
18	Government Polytechnic College, Agraharam Village, Jollarpet Block, Vellore District - 635 651.
19	Government Polytechnic College, Cheyyar - Arcot Road, Painkinar Village, Cheyyar, Tiruvannamalai District - 604 407.
20	Government Polytechnic College, No.50, Korukkai Village, Thiruthuraipoondi Taluk, Tiruvarur - 614 713.
21	Government Polytechnic College, Kumbakonam-Mannarkudi Road, Valangaiman Taluk, Thozhuvur, Thiruvarur District - 612 804
22	Government Polytechnic College, Nagapadi Village, Pudhupalayam Post, Chengam Taluk, Tiruvannamalai District - 606 705.
23	Government Polytechnic College, S-Kollur Village, Arakandanallur, Tirukoilur Taluk, Villupuram District - 605 757.
24	Government Polytechnic College, Kattu Vannanjur Village, Poi Kunnam Road, Sankarapuram Taluk, Villupuram District - 606 401.
25	Institute of Printing Technology, Tharamani, Chennai – 600 113.
26	Institute of Chemical Technology, Tharamani, Chennai – 600 113.
27	Institute of Leather Technology, Tharamani, Chennai – 600 113.
28	Institute of Textile Technology, Tharamani, Chennai – 600 113.
29	State Institute of Commerce Education, Tharamani, Chennai – 600 113.
30	Government Polytechnic College, Dharmapuri District Cooperative Sugar Mills Campus, Palacode Taluk, Dharmapuri District - 636 808.
31	Government Polytechnic College, Sethurapatti Village, Srirangam - 620 012, Tiruchirappalli District.
32	Government Polytechnic College, Salem Co-operative Sugar Mills Campus, No.5/42, Panamarathuppatti, Pettaipalayam Post, Mohanur – 637 015. Namakkal District.
33	Government Polytechnic College, Kooduveli, Cuddalore District

34	Government Polytechnic College, Sevwapet, Thiruvallur District
35	Central Polytechnic College, Tharamani, Chennai - 600113
36	Government Polytechnic College for Women, Coimbatore 641044
37	Tamil Nadu Polytechnic College, Madurai -625011
38	Government Polytechnic College, Thuvakudimalai, Tiruchirappalli 620022
39	Government Polytechnic College, Avinashi Road, Civil Aerodrome (Po) Coimbatore - 641 014.
40	Alagappa Government Polytechnic College, Karaikudi, Sivagangai District - 630 004.
41	Government Polytechnic College, Konam, Nagercoil, Kanyakumari District - 629 004
42	Dr. Dharmambal Government Polytechnic College for Women, Rajiv Gandhi Salai, Tharamani, Chennai - 600 113.
43	Government Polytechnic College for Women, TPK Road, Madurai - 625 011
44	Government Polytechnic College, Finger Post, Kakathopu, Udagamandalam, The Nilgiris - 643 006.
45	Government Polytechnic College, Avudaiyar Kovil Road, Aranthangi, Pudukkottai District - 614 616.
46	Government Polytechnic College, Palayamcottai Road, Thoothukudi - 628 008.
47	Government Polytechnic College, Nammalwarpet, Purasawalkam, Chennai - 600 012.
48	Bharathiyar Centenary Memorial Government Polytechnic College for Women, Ettayapuram, Thoothukudi - 628 902.
49	Srinivasa Subbaraya Government Polytechnic College, Puttur, Sirkali (Tk) Nagapattinam District - 609 108
50	Government Polytechnic College, Chennai Main Road, Krishnagiri - 635 001.

D. KARTHIKEYAN
PRINCIPAL SECRETARY TO GOVERNMENT

//TRUE COPY//


26.11.2024
SECTION OFFICER

Dr.10
24/11/24

Higher Education (B1) Department

**Annexure – II to G.O.(Ms).No.237, Higher Education (B1) Department, dated
26.11.2021**

**Specification and Cost of Equipment for the provision of One Smart Class
Room**

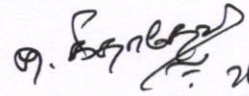
S.No	Type of Equipment	Description	Qty	Sub Total including Tax (In Rupees)
Display System				
1	Display	85" UHD Smart signage display - Inputs: HDMI X 2, DVI-D, Audio & USB / Quad Core Processor, Wifi, Inbuilt Memory, Slim	1	4,48,512
2	Bracket	Tiltable Wall Brackets for Display	1	11,800
3	Interactive Display	55" Ultra HD 4way Touch Interactive Display with Inbuilt Quad Core CA72 (1.7GHz) Processor, Wi-Fi & IWB Software / HDMI, VGA, USB, NFC, Acceleration sensor, Proximity Sensor Included: Passive Penx2	1	2,06,500
4	Tray	USB IN/OUT, Touch Out 3, HDMI IN & OUT. Screen Share & NFC Bottom	1	21,240
5	Bracket	Tiltable Wall Bracket for Touch Display	1	5,900
Camera for Presenter				
6	Camera	10x optical zoom, IR remote controllable, Pan tilt zoom, RS - 232 / VISCA to control the PTZ functions of the camera remotely, True HD 1080p @ 30 FPS, A wide field of view focal length to capture an even broader scope	1	77,880
7	Extn. Cable	CA-UAM/UAF-35 USB Active Extender Cable 35' 10.35m	1	10,620
8	All in One PC	Intel Core i3, 4GB RAM, Windows PC	1	70,800

Audio System				
9	Speaker	6.5-Inch, On-Wall 2-Way Powered Speakers	2	84,960
10	DSP	DSP With AEC Processing	1	76,700
11	Interface	BSS BLU-USB USB Audio to BLU link Interface	1	74,340
12	Microphone	Wireless Handheld Microphone System	2	46,964
13	Microphone	Wireless Presenter/Head Clip Microphone Set	1	25,960
14	Volume Controller	Wall-Mount Controller, 5-position source/preset select, level	1	24,780
ZOOM License				
15	License	20 License with Flexible plans for education, with no student licensing required	1	1,47,500
Head End System				
16	HDMI Cable	Std. HDMI (M) to HDMI (M) Cable 6' 1.80m 4Kx2K	2	5,900
17	HDMI Cable	Standard HDMI (M) to HDMI (M) Cable 10' 3m 4Kx2K	1	4,720
18	Wall Plate	HDMI Passive Wall Plate	1	11,682
19	Speaker Cable	Quality twisted pair cable designed for connecting speakers & amplifiers in commercial AV systems	60	8,992
20	Control / Mic Cable	Quality shielded pair cable designed for Control, routing balanced mono or unbalanced stereo mic or line level audio signals in commercial AV systems	31	4,646
21	Rack	Closed Equipment Rack with all accessories	1	17,700
22	Service	Programming Charges	1	17,700
23	Service	Installation, Testing & Commissioning Charges	1	59,000
24	Service	Transport and Documentation Charges	1	59,000
Electrical, Inverter, Wall Panelling, Painting, Civil & Branding				
25	Electrical	Complete Wiring with Sockets, Switch, Cables, Backbox, Face Plate, MCB, Pipes, Casing, and necessary accessories	1	35,400
26	Light	Ceiling Mount LED Lights with 15 - 20 Watts (Only for Presenter Area)	1	11,312

27	Inverter	Inverter for PC and Display Units	1	29,500
28	Wall Panelling	Complete Wall Panelling for Video Wall, Interactive Screen from Ceiling Level to Floor Level with Rack on Bottom for AV Gadgets, using Hi Grade Plywood, Laminates, and Necessary Materials	1	1,71,100
29	Painting	Complete Painting which includes Wall, Window, Doors & Window Frames	1	74,694
30	Civil	Renovating the existing Class Room	1	74,694
31	Branding	Branding Outside and Inside Class Room	1	29,505
GRAND TOTAL				19,50,000

D. KARTHIKEYAN
PRINCIPAL SECRETARY TO GOVERNMENT

//TRUE COPY//


 P. Srinivas
 26.11.2024
 SECTION OFFICER
 5/10
 26/11/24