



केन्द्रीय माध्यमिक शिक्षा बोर्ड

(शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation Under the Ministry of Education, Govt. of India)



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संख्या: के.मा.शि.बो./प्रशिक्षण एकक/2024

दिनांक: 11.06.2024

परिपत्र संख्या : TRG-30/2024

के.मा.शि.बो. से सम्बद्ध सभी विद्यालयों/संस्थानों के प्रधानाचार्य/प्रमुख.

विषय : पीएम ईविद्या 200 डीटीएच टीवी चैनलों का लाभ उठाने के लिए डीडी फ्री डिश स्थापित करने हेतु विद्यालयों में तकनीकी ढांचे की व्यवस्था से संबंधित.

माननीय केंद्रीय शिक्षा मंत्री द्वारा 9 मार्च 2024 को पीएम ईविद्या 200 डीटीएच टीवी चैनलों का लोकार्पण इस उद्देश्य के साथ किया गया कि विद्यालयों/शिक्षा बोर्डों के सभी हितधारकों को विभिन्न विषयों एवं शिक्षण अधिगम संबंधी सामग्री अधिकाधिक भाषाओं में प्रदान की जा सके.

इन चैनलों का अधिकतम उपयोग सुनिश्चित करने के लिए, विद्यालयों सहित सभी हितधारकों, संस्थानों/संगठनों की इन चैनलों तक सुगम पहुंच की आवश्यकता है. अतः सभी हितधारकों से अनुरोध है कि वे इन चैनलों तक पहुंच के लिए आवश्यक व्यवस्थाएं स्थापित करें. इस संबंध में, 200 पीएम ईविद्या डीटीएच टीवी चैनलों तक पहुंचने की प्रक्रिया एवं उपकरणों की खरीद की जानकारी (अनुलग्नक I) एवं इन डीटीएच टीवी चैनलों तक पहुंचने के लिए चरण-दर-चरण प्रक्रिया (अनुलग्नक II) का विवरण परिपत्र के साथ संलग्न है.

इस संदर्भ में उल्लेखनीय है कि के.मा.शि.बो. द्वारा पीएम ईविद्या सीबीएसई 15 टीवी चैनल द्वारा वीडियो पर आधारित प्रशिक्षण सत्रों का प्रसारण अनवरत चल रहा है और इसका उद्देश्य शिक्षण पद्धतियों, मूल्यांकन तकनीकों, कक्षा प्रबंधन एवं प्रौद्योगिकी एकीकरण आदि में शिक्षकों को अपने कौशल संवर्धन के लिए मूल्यवान संसाधन उपलब्ध कराना है. इन संसाधनों के व्यापक प्रसार के लिए के.मा.शि.बो. टीवी चैनल नामक एक समर्पित यूट्यूब चैनल भी आरंभ किया गया है.

यूट्यूब चैनल का लिंक - https://www.youtube.com/@CBSE_TV_Channel

उपग्रह की कक्षीय स्थिति, माँड्यूलेशन आदि मानदंडों की विस्तृत जानकारी के.मा.शि.बो. के परिपत्र संख्या TRG-98/2023 दिनांक 6 अक्टूबर, 2023 (परिपत्र लिंक- https://cbseit.in/cbse/2022/ET/assets1/pdf/98_Circular_2023.pdf) के माध्यम से प्राप्त की जा सकती है.

केन्द्रीय माध्यमिक शिक्षा बोर्ड से संबद्ध सभी विद्यालयों के प्रधानाचार्यों/प्रमुखों से अनुरोध है कि वे इन डीटीएच टीवी चैनलों के प्रसारण के लिए उपर्युक्त जानकारी का अवलोकन करें तथा अपने विद्यालयों में आवश्यक बुनियादी संसाधनों की स्थापना सुनिश्चित करें, ताकि चैनल पर उपलब्ध मूल्यवान संसाधनों तक हितधारकों को पहुंच मिल सके.

(डॉ. राम शंकर)
निदेशक (प्रशिक्षण)



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फ़ोन/Telephone: 011- 22043634 वेबसाइट/Website: <https://cbseit.in/cbse/2022/ET/frmListing> ई-मेल/e-mail: drtrgcbse@gmail.com.

CBSE Training Unit www.youtube.com/@cbseTraining0729 CBSE TV Channel www.youtube.com/@CBSE_TV_Channel



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No.: CBSE/Training Unit/2024

Date: 11.06.2024
Circular No. TRG- 30/2024

All the Principals/Heads of Schools/Institutions affiliated to CBSE.

Subject: Arrangement cum setting-up of technical infrastructure in schools for installing DD Free Dish to enable access to 200 PM eVidya DTH TV Channels - reg.

PM eVidya 200 DTH TV Channels' initiative has been launched on 9th March 2024 by the Hon'ble Union Minister of Education in order to enable all the Schools/Education Boards to provide supplementary education, teachers training modules and subject enrichment material to all the stakeholders in multiple languages.

In order to ensure the optimal utilization of these channels, all the stakeholder institutions/organisations including schools need to have smooth access to these channels. Therefore, all the stakeholders are hereby requested to set-up necessary arrangements to access these channels

For further assistance in this regard, a detailed note on how to access 200 PM eVidya DTH TV Channels including the information for procurement of equipment (Annexure I) along with a note on Step-by-Step process to access such DTH TV Channels (Annexure II) are enclosed herewith.

It is pertinent to mention here that CBSE has started PM eVidya CBSE 15, a dedicated TV Channel with video based training sessions for providing teachers with valuable resources to enhance their skills in teaching methodologies, assessment techniques, classroom management and technology integration etc. A dedicated YouTube channel named CBSE TV Channel is also provided for wider dissemination of these resources

Link of the YouTube channel – https://www.youtube.com/@CBSE_TV_Channel

The detailed information on receiving parameters like satellite orbital position, modulation etc. can be accessed through the circular no. TRG-98/2023 dated 6th October, 2023 (Circular Link- https://cbseit.in/cbse/2022/ET/assets1/pdf/98_Circular_2023.pdf).

All the Principals/Heads of schools affiliated to CBSE are requested to go through the information given above for the broadcast of these DTH TV Channels and ensure the establishment of necessary infrastructure in their respective schools for enabling teachers to have access to valuable resources available on the channel.

(Dr. Ram Shankar)
Director (Training)



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Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18, Institutional Area, Shaheed Jeet Singh Marg, Delhi – 110016.
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida – 201309.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi -110054.
4. The Secretary, Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India.
5. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh -160017.
6. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737101.
7. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791111.
8. The Director of Education, Govt. of Andaman & Nicobar Islands, Port Blair – 744101.
9. Director, School Education, Ladakh, Council Secretariat Kurbathang, Kargil, Ladakh.
10. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini.
11. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi-110001.
12. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi -110001.
13. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, ShankarVihar (Near APS), Delhi Cantt – 110010.
14. The Chairperson, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik SchoolNayapalli, Bhubaneswar, Odisha-751005.
15. Director, School Education, Vijayawada, Andhra Pradesh.
16. The Deputy Secretary to Chairperson, CBSE - for kind information of the Chairperson, CBSE.
17. All the Heads of Department of the Board.
18. Director, (Media & Public Relations), CBSE with a request for proper publicity.
19. All the Regional Directors/Regional Officers/Head-COEs, ACCPD- Rae Bareli, CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance.
20. Prof. Amarendra P. Behera, Joint Director, CIET, NCERT, Delhi for kind information.



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फ़ोन/Telephone: 011- 22043634 वेबसाइट/Website : <https://cbseit.in/cbse/2022/ET/frmListing> ई-मेल/e-mail: drtrgcbse@gmail.com.

CBSE Training Unit www.youtube.com/@cbseTraining0729 CBSE TV Channel www.youtube.com/@CBSE_TV_Channel

How to Access 200 PM eVidya DTH TV Channel

What is 200 PM eVidya DTH TV Channels?

200 PM eVidya DTH Channels is an initiative of the Department of School Education and Literacy (DoSE&L), Ministry of Education (MoE), Government of India aimed at extensive use of Free-to-Air (FTA) and DTH (Direct to Home) Satellite Television for wider dissemination of education across the country.

Where are these 200 PM eVidya DTH TV Channels?

The 200 PM eVidya DTH Channels are co-branded under DD Free Dish which is India's first and one and only Free-to-Air (FTA) Direct-To-Home (DTH) Service from Prasar Bharati. DD Free Dish is a unique Free-to-Air (FTA) DTH platform in which the subscriber is not charged any activation and monthly subscription charges.

How to access these 200 PM eVidya DTH TV Channels?

In order to view the 200 PM eVidya DTH TV channels of DD Free Dish platform, one has to buy a DD Free Dish Set Top Box and dish with accessories which can be got from open market. The complete set may be approx. Rs. 2000/- to Rs. 3,500 depending on the type of Set-Top-Box. The complete DD Free Dish Receive System consists of a Set-Top-Box, small sized Dish Antenna LNBC, RF cable and other accessories.

What equipment is needed to access these 200 PM eVidya DTH TV Channels?

Following equipment/accessories are needed to access these 200 PM eVidya DTH TV Channels:

- (i) A Television Set with AV/HDMI ports in working condition
- (ii) Dish Antenna
- (iii) Set-Top-Box (STB) with remote (**supporting supports MPEG-4 or HEVC**) *
- (iv) RF Cable (to connect Set-Top-Box and Dish Antenna)

** Do not buy MPEG-2 as MPEG-2 based channels are being phased out from DD Free Dish. If you have one (i.e., MPEG-2 Set-Top-Box), you need to replace it with MPEG-4 otherwise you won't be able to access any of the 200 PM eVidya DTH TV Channels.*

One unit of equipment comprising the antenna, STB and cable can be used for one television only. For each TV, a separate STB along with other equipment will be required.

Where to get the equipment from?

As per the information shared by the Public Service Broadcaster Prasar Bharti that owns and operates DD FreeDish (accessible at <https://prasarbharati.gov.in/free-dish-4/>), the equipment can be got from open market. The complete set may be approx. Rs. 2000/- to Rs. 3,500 depending on the type of Set-Top-Box. It may however vary with the make of equipment and will also depend upon the local taxes/prevailing custom duty, etc.

Further, Prasar Bharti has also given the details of DD FreeDish Dealers on its portal where one can find the details pertaining to their nearby dealers by giving city/address/pin code etc. To locate the dealers, please visit: <https://prasarbharati.org/pb/admin1/dth/>

It is worthwhile to mention that Prasar Bharati does not market any DD Free Dish STB directly. DD Free Dish STB and associated equipment is readily available in any local open market. These are also available on all the major online e- market platforms.

How to install the equipment?

Detailed procedure for installation is given under [Frequently asked questions on DD Free Dish](#) in the Prasar Bharti website. **However, it is advisable to take the help of a skilled technical person for the installation of the system. Typically, such help can be sought from the supplier of the equipment.**

How to access the 200 PM eVidya DTH TV Channels after installation?

A detailed instructional video has been prepared to assist viewers to access the 200 PM eVidya DTH TV Channels on their television. One can watch this video on the following link:

<https://drive.google.com/file/d/1vxminGTGIIfsoD1-pJ4XB9Kpf1VeEVP/view?usp=sharing>

What are the parameters to access the 200 PM eVidya DTH TV Channels?

The detailed parameters to access the 200 PM eVidya DTH TV Channels are given in the following table:

DD PM eVIDYA Channel 1-40	
Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2
Rx Frequency	10970 MHz
Polarization	Vertical
Symbol Rate	29500 KSPS
FEC	3/4

DD PM eVIDYA Channel 41-80	
Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2
Rx Frequency	11010 MHz
Polarization	Vertical
Symbol Rate	29500 KSPS
FEC	3/4

DD PM eVIDYA Channel 81-120	
Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2
Rx Frequency	11130 MHz
Polarization	Vertical
Symbol Rate	29500 KSPS
FEC	3/4

DD PM eVIDYA Channel 121-160	
Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2
Rx Frequency	11590 MHz
Polarization	Vertical
Symbol Rate	29500 KSPS
FEC	3/4



DD PM eVIDYA Channel 161-200	
Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2
Rx Frequency	11670 MHz
Polarization	Vertical
Symbol Rate	29500 KSPS
FEC	3/4

Who to contact for any inquiry or further help?

One may contact the following for any inquiry or further help:

For DD FreeDish related issues: DD Free Dish Helpline 1800114554 (Toll Free)
011-25806200 (From 08:00 AM to 08:PM)

For Technical Help: Mayank Prajapati, Manager - Telecast, BISAG-N, MeitY, GoI
Email: bisag@dth.ac.in

For General Inquiry: Dr. Abhay Kumar, In-Charge, PM eVidya, CIET (NCERT)
Email: abhay.kumar@ciet.nic.in

One may also visit the following websites for more details relevant to 200 PM eVidya DTH TV Channels:

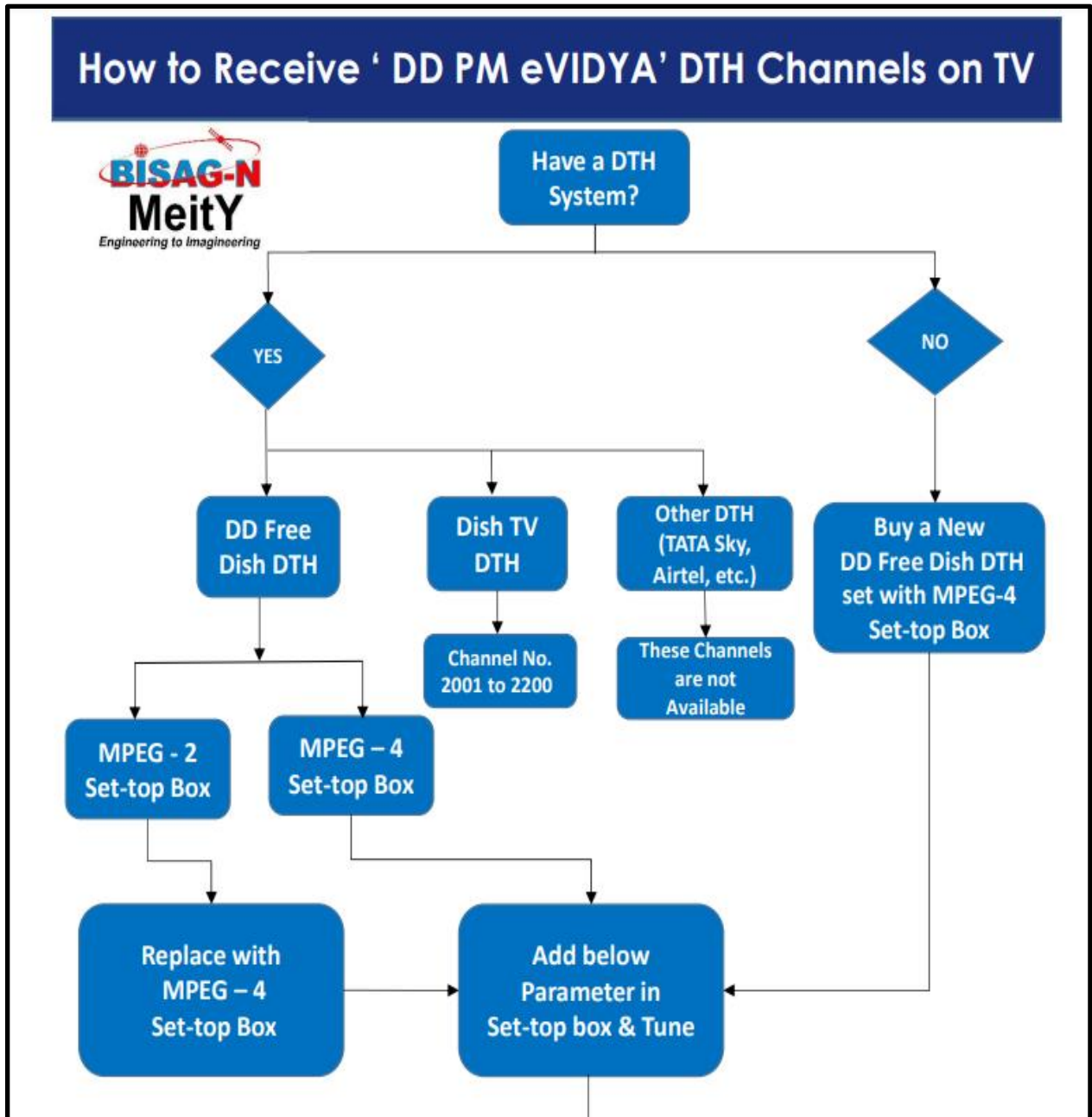
PM eVidya Webpage CIET NCERT
<https://ciet.ncert.gov.in/initiative/pmevidva>

Ministry of Education, GoI Webpage
<https://pmevidya.education.gov.in/>

PM eVidya Webpage Swayam Prabha
<https://swayamprabha.gov.in/schooledu>

Step-by-Step Process to Access PM eVidya DTH TV Channels

PM eVidya DTH Channels can be easily received by following the steps mentioned in the flowchart given below.



Detailed Procedure/Steps for receiving DD PM eVidya DTH channels on TV

PM eVidya DTH Channels can be received by following the steps mentioned in the flowchart given below.

Step 1: Procure DD Free Dish DTH Set

- a) **Cost:** The DD Free Dish DTH Set Costs ₹ 2000 (approximately) and can be purchased by a local Free Dish vendor/distributor. However, all 200 channels can be accessed free of cost on DD Free Dish.

- b) **DD Free Dish DTH Set:** It contains
 1. 60 cm Dish Antenna (01 no.)
 2. Free-to- Air MPEG-4 Set top Box (01 no.)
 3. Remote controller (01 no.)
 4. Universal Ku Band LNBF
 5. RF cables



DD Free Dish DTH Set

Step 2: Installation of Dish Antenna


The satellite /Orbital Position to install DD Free Dish Antenna is **GSAT-15/ 93.5°**. It can be easily installed with the help of a local Free Dish vendor/distributor.

Step 3: Setting up Frequency/Parameters for Receiving PM eVIDYA DTH Channel

Once the DD Free Dish Antenna is installed, set the frequency, symbol rate and polarity through the installation menu of the set top box. The channel wise details of these parameters are as follows:

DD PM eVIDYA Channel 1-40		DD PM eVIDYA Channel 41-80		DD PM eVIDYA Channel 81-120	
Receive Parameter	Value	Receive Parameter	Value	Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East	Satellite / Orbital Position	GSAT-15 / 93.5 ° East	Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2	Modulation	8 PSK / DVB-S2	Modulation	8 PSK / DVB-S2
Rx Frequency	10970 MHz	Rx Frequency	11010 MHz	Rx Frequency	11130 MHz
Polarization	Vertical	Polarization	Vertical	Polarization	Vertical
Symbol Rate	29500 KSPS	Symbol Rate	29500 KSPS	Symbol Rate	29500 KSPS
FEC	3/4	FEC	3/4	FEC	3/4

DD PM eVIDYA Channel 121-160		DD PM eVIDYA Channel 161-200	
Receive Parameter	Value	Receive Parameter	Value
Satellite / Orbital Position	GSAT-15 / 93.5 ° East	Satellite / Orbital Position	GSAT-15 / 93.5 ° East
Modulation	8 PSK / DVB-S2	Modulation	8 PSK / DVB-S2
Rx Frequency	11590 MHz	Rx Frequency	11670 MHz
Polarization	Vertical	Polarization	Vertical
Symbol Rate	29500 KSPS	Symbol Rate	29500 KSPS
FEC	3/4	FEC	3/4



200 'DD PM eVIDYA' DTH TV CHANNELS RECEIVING PARAMETERS

Step 4: Save the Parameter Settings: Once these channel wise parameters are set, save the settings.



By following the above-mentioned steps, 200 PM eVidya DTH Channels can be easily accessed free of cost on DD DD Free Dish.

Note:

- The complete procedure for receiving PM eVidya channels via DD Free Dish can be easily understood by clicking on the video link below.
<https://drive.google.com/file/d/1uhdVbD-aunu-WuCtC7EN277xDeKADaV9/view?usp=sharing>
- In case of any difficulty in setting up the above-mentioned parameters, the local DD Free Dish vendor/ distributor may be contacted.