

STREAMING SOLUTION FOR MULTICASTING

INDIA'S LEADING
LIVE FHD STREAMING
SOLUTION PROVIDER | METAVERSE
SOLUTION | STREAMING ENGINE



ABOUT US

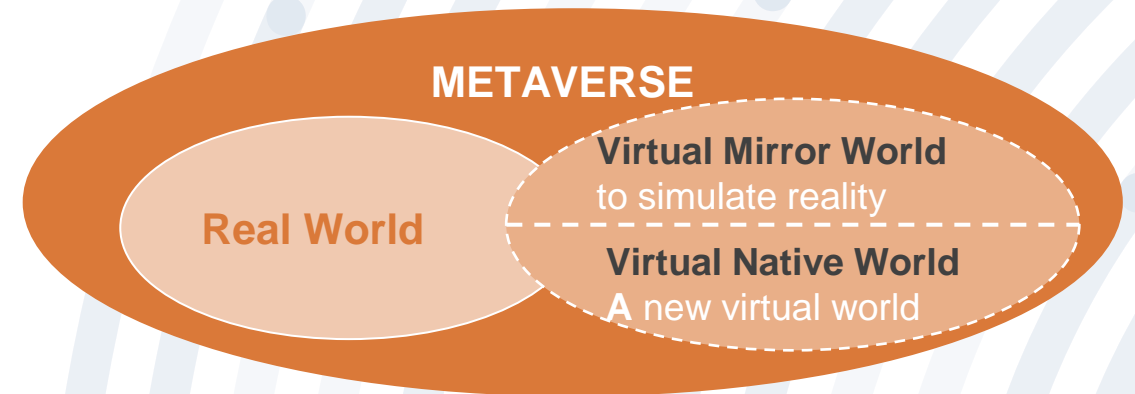


VMukti is AN ISO 9001:2015 AND ISO 27001:2013 CERTIFIED COMPANY and SMERA Ratings Ltd has accredited with its Rating as SMERA MSE 3 having D U N S No.65-094-3389.

Bandwidth aggregation and patented video compression technology, we are able to stream the video live at bandwidth as low as 100kbps. VMukti is a provider of one of the world's first interactive Video Communication offerings for masses providing high quality video at low bandwidth with over 15+ years of innovations.

Our all-in-one streaming platform is designed to provide seamless streaming capabilities to all government department ff all sizes.

With our **state-of-the-art technology**, you can multicast your content, create stunning **virtual experiences** using our **metaverse capabilities**, and **stream your content across** a wide range of devices.



ISO



CE



FCC



RoHS



D-U-N-S



BIS



NIC/NICSI/MSME



SOLUTION FEATURES

- **Real-time analytics:** Incorporate real-time analytics that can provide data on the number of viewers, viewer engagement, and other metrics to help identify any issues and make data-driven decisions.
- **Multi-platform support:** Ensure that the VMS can be accessed from a range of devices and platforms, including desktops, laptops, tablets, and smartphones, to ensure wider accessibility.
- **Advanced search capabilities:** Implement advanced search capabilities that enable users to quickly and easily search for specific Event, Videos, dates and times.
- **User management:** Enable user management capabilities that allow for the creation of different user accounts with varying levels of access and permissions.

- **Alert and notification system:** Integrate an alert and notification system that can notify designated users or authorities in the event of any suspicious activities or issues.
- **Cloud storage:** Provide cloud storage for the recorded Video to ensure that it is easily accessible and can be retrieved as and when required.
- **Customizable user interface:** Enable a customizable user interface that allows users to customize the look and feel of the interface to suit their preferences.
- **Live streaming:** Incorporate live streaming capabilities to enable users to view live webcasts of all polling booths in real-time.
- **Historical playback:** Enable historical playback of recorded footage, so that users can review past events and make informed decisions

WHY WEBCAST?

webcasting is an important tool for Government departments to reach and engage with a vast audience in real-time. It promotes transparency, accountability, and trust, while also saving time and reducing costs. By adopting webcasting technology, Government departments can enhance their communication with the public and demonstrate their commitment to open and transparent governance

- **Real-time engagement:** Webcasting allows Government departments to engage with the public in real-time, providing a platform for feedback, questions, and concerns. This engagement promotes transparency, trust, and accountability, and also helps to keep the public informed and up-to-date on the latest developments.
- **Time-saving:** Webcasting saves time by enabling Government departments to broadcast information and updates in real-time, reducing the need for lengthy reports, meetings, and other forms of communication.
- **Record-keeping:** Webcasting enables Government departments to keep a record of their meetings, events, and other activities. This record-keeping can be useful for future reference and for demonstrating transparency and accountability.

WHY WEBCAST?

- **Accessibility:** Webcasting makes it easy to reach a vast and diverse audience in real-time, regardless of their location. This accessibility is particularly important for Government departments as it ensures that important information and updates can be accessed by anyone, regardless of their geographic location or mobility restrictions.
- **Transparency:** Webcasting promotes transparency by enabling government departments to share their activities and operations with the public. By broadcasting live, departments can show their actions and decisions to the public, thereby enhancing trust and accountability.
- **Cost-effective:** Webcasting can be a cost-effective way for Government departments to communicate and engage with the public. Instead of in-person meetings and events, which can be costly and time-consuming, webcasting enables departments to reach a large audience with minimal resources.

VMUKTI EMPANELMENT



नेशनल इन्फोमेटिक्स सेंटर सर्विसिज् इन्कोर्पोरेटेड
National Informatics Centre Services Incorporated
(रा. सू. वि. के. के अन्तर्गत भारत सरकार का एक उद्यम)
(A Government of India Enterprise under NIC)
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय
Ministry of Electronics and Information Technology



जन जन को भाषा है हिंदी

No. 10(07)/2022-NICSI

Date: 15/02/2023

To,

M/s VMukti Solutions Private Limited
3, VMukti House, Shivalik Plaza,
Nr.Sahajanand College, IIM road,
Ambawadi, Gujarat -380015

Kind Attn: Mr. Sreejith G Nair, Mobile No. 91- 9510222699
E-Mail id: Projects@vmukti.com

Subject:- Empanelment of agency consequent upon finalization of NICSI Open Tender No. NICSI/Webcast and VC Services/2022/16 for Empanelment of Agencies to Provide Webcast and VC services.
(Category: Region-1, 3, 5 & 7)

Dear Sir,

With reference to your acceptance to match the L1 rates for Tender No. NICSI/Webcast and VC Services/2022/16 for Empanelment of Agencies to Provide Webcast and VC services and to inform you that the competent authority of NICSI has decided to empanel your firm on the **rates given in Annexure-1: 'Approved Rates'** and terms & conditions mentioned in this empanelment letter.

This Empanelment will be initially valid upto 08.02.2025, extendable for next one year solely at the discretion of NICSI on same terms and conditions or additional mutually agreeable conditions.

Part-I

OBJECTIVE AND SCOPE OF WORK

A. OBJECTIVE

- NICSI has been providing live webcasting and video conferencing services for various National and International events and 24x7 live webcast of Doordarshan News, CEC, UGC etc.
- NICSI's webcast service offers a turnkey solution for an event, bringing onsite production, hosting, and streaming to millions of online viewers. The streaming delivery infrastructure setup is already in place at NIC Headquarters (New Delhi) including Encoders/ Decoders and Servers.
 - Live Webcast:** The transmission of live or pre-recorded audio or video to personal computers and mobile devices over the Internet.

Prasanna Kumar
15/02/2023
New Delhi



No. 10(07)/2022-NICSI

National Informatics Centre Service Inc.

b. On-Demand Webcast: Pre-recorded clips are delivered, or streamed, to users upon request. A user who clicks a link to an on-demand clip watches the clip from the beginning.

- The scope of the project envisages all services related to webcasting including
 - Video and audio capturing
 - Mixing and webcasting
 - Video conferencing
- NICSI intends to empanel the vendor across multiple regions in India which are defined as follows:

S. No.	Region	States
1.	Region-1: North	Haryana, Himachal Pradesh, Uttarakhand, Union Territory of Jammu & Kashmir, Punjab, Rajasthan and Union Territory of Chandigarh;
2.	Region-2: North - East	Assam, Arunachal Pradesh, Manipur, Tripura, Mizoram, Meghalaya and Nagaland;
3.	Region-3: Central	Chhattisgarh, Uttrakhand, Uttar Pradesh and Madhya Pradesh
4.	Region-4: East	Bihar, Jharkhand, Odisha, Sikkim and West Bengal;
5.	Region-5: West	Goa, Gujarat, Maharashtra and the Union Territories of Daman & Diu and Dadra and Nagar Haveli
6.	Region-6: South	Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and Union Territory of Puducherry
7.	Region-7: Delhi-NCR	NCR National Capital Territory of Delhi

- The vendor in respective regions can be assigned work in any of the State/UT.
In case, a particular region is not having any vendor for the said services then user can avail the services with the help of other region's vendor rates.



VMUKTI EMPANELMENT



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National Informatics Centre Services Incorporated
(रा. सू. वि. के. के अन्तर्गत भारत सरकार का एक उद्यम)
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Ministry of Electronics and Information Technology



जन जन की भाषा है हिंदी

No. 10(07)/2022-NICSI

Date: 09/02/2023

To,

M/s VMukti Solutions Private Limited
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Nr.Sahajanand College, IIM road,
Ambawadi, Gujarat -380015

Kind Attn: Mr. Sreejith G Nair, Mobile No. 91- 9510222699
E-Mail id: Projects@vmukti.com

Subject:- Empanelment of agency consequent upon finalization of NICSI Open Tender No. NICSI/Webcast and VC Services/2022/16 for Empanelment of Agencies to Provide Webcast and VC services.
(Category: Region-2, 4 & 6)

Dear Sir,

I am directed to refer to your financial bid submitted in response to our Tender No. NICSI/Webcast and VC Services/2022/16 for Empanelment of Agencies to Provide Webcast and VC services and to inform you that the competent authority of NICSI has decided to empanel your firm on the rates given in Annexure-1: 'Approved Rates' and terms & conditions mentioned in this empanelment letter.

This Empanelment will be initially for a period of 02 (Two) years from the date of issue of this letter, extendable for next one year solely at the discretion of NICSI on same terms and conditions or additional mutually agreeable conditions.

Part-I

OBJECTIVE AND SCOPE OF WORK

A. OBJECTIVE

- NICSI has been providing live webcasting and video conferencing services for various National and International events and 24x7 live webcast of Doordarshan News, CEC, UGC etc.
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No. 10(07)/2022-NICSI

National Informatics Centre Service Inc.

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4.	Region-4: East	Bihar, Jharkhand, Odisha, Sikkim and West Bengal;
5.	Region-5: West	Goa, Gujarat, Maharashtra and the Union Territories of Daman & Diu and Dadra and Nagar Haveli
6.	Region-6: South	Andhra Pradesh, Telangana, Karnataka, Kerala, Tamil Nadu and Union Territory of Puducherry
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In case, a particular region is not having any vendor for the said services then user can avail the services with the help of other region's vendor rates.



USE CASES



Global Summit



Dept. Training & Seminar



Public Rally



International Conference

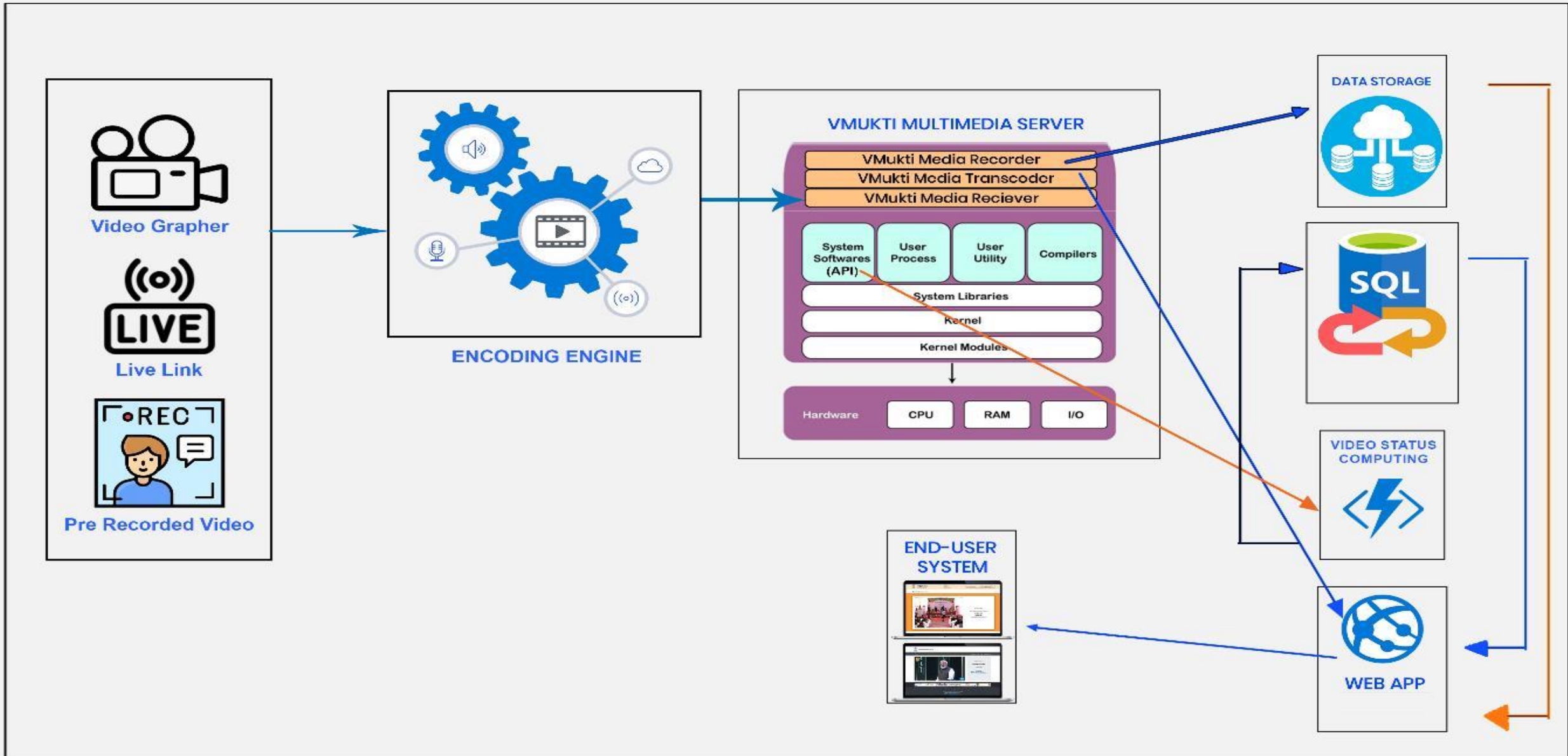


Inauguration Ceremony



Live Ceremony

ARCHITECTURE



STREAMING COMPONENT



Encoder S/W

- Raw Audio Video Capture
- Video Encoding
- Audio Encoding
- Multi Camera Input for Coverage from different angles



Storage

- Local Storage
- On-premise Storage
- Cloud Storage



Transcoder

- Overlay Image / Text
- Mute Audio/Video
- Configurable Streaming Delay
- Ability to Serve on Live / VOD Content



Media Server License

- Listen RTMP
- On the Fly Transcode into HLS
- Applies SSL Certification for Secured Streaming
- Adaptive Bitrate Algorithm
- Recording of the Live Feed
- PUSH/PULL Support
- Highly Scalable



Video Player

- Support 4K/FHD Streaming
- Multi bitrate
- Mute/Unmute option
- Forward/Backward Option
- PIP

WEBCAST BENEFITS

- **UNLIMITED VIEWERS:** No restrictions on number of viewers, can handle any number of users based on available bandwidth & processing.
- **TRANSCODING FOR ADAPTIVE BIT RATE STREAMING:** Live Transcode for adaptive bit rate streaming across all devices.
- **MULTI PLATFORM STREAMING:** Supports streaming to various platforms like YouTube, Facebook or third party media server etc.
- **4K/FHD STREAMING:** Designed to stream High Quality live & On Demand content.
- **HTTPS STREAMING:** Supports HTML5 & Secured HLS streaming for devices that doesn't support flash

USP's

- Live streaming
 - Scalability
 - On-demand playback
 - Multi-device compatibility
- Advanced analytics
 - Data Security
 - Customization Based on Specific requirement in any component of Architecture

SERVING THROUGH FOLLOWING PSU's



CLIENTS

GOVERNMENTS



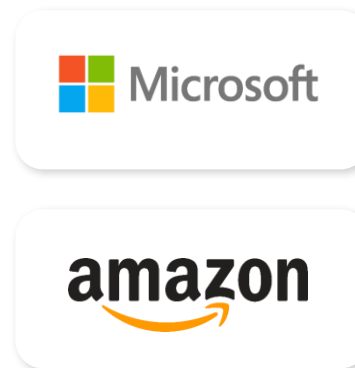
CORPORATE



PARTNERS



TECHNOLOGY PARTNERS





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Near Sahjanand College, IIM road,

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VMukti