



HP SDMF

Himachal Pradesh State Disaster Mitigation Fund

<https://hpsdmaplan.nic.in/sdmf>

NEW PROJECT

To enhance transparency, efficiency, accessibility, and ensuring the disaster mitigation efforts are well-managed and well-tracked, Himachal Pradesh State Disaster Mitigation Fund (HP SDMF) MIS portal has been developed by the National Informatics Centre HP in collaboration with the Himachal Pradesh State Disaster Management Authority (HP SDMA). It aims to modernize and streamline disaster mitigation efforts in the State.

The electronic submission of Project Proposal Reports (PPRs) and Detailed Project Reports (DPRs) have completely eliminated the need for hard copies and redundancy. The portal enables easy access to hazard-specific reports related to landslides, floods, snow avalanches, fire, and earthquake mitigation, providing critical data at the click of a button. Furthermore, all the stakeholders can monitor the status in real-time thereby improving communication and decision-making.

The portal also facilitates for scheduling and conducting online meetings for various committees, viz. Project Appraisal Committee (PAC), Technical Appraisal Committee (TAC) and State Executive Committee (SEC). This functionality ensures timely discussions and quick decision-making regarding project proposals. In addition, the system also includes a section for Workshop and Training Entry, ensuring that all stakeholders are trained and are well-equipped.

For better planning and optimum resource allocation, the integration of Google Maps and GIS Tools have facilitated for geo tagging of project sites, enhancing spatial data management and making it easier to track and monitor disaster mitigation projects.

For fostering innovation in disaster mitigation efforts, facility for associating the Research & Development (R&D) Projects has also been provided.

Key Features

Digital Submission of Proposals All the proposals are submitted and routed electronically, expediting the life-cycle.

Online Meetings The portal enables online creation of meetings and organization of agendas & proceedings regarding the project approvals.

Prevention of Duplication To prevent overlapping initiatives and wasteful duplication, the portal tracks the project proposals for enhancing resource efficiency.

Monitoring Implementing Agencies (IAs) can easily access decisions made by the various committees, ensuring transparency and communication. In addition, drill-down customised reports are provided to all the stakeholders.

GIS/Satellite-Based Site Selection The portal integrates satellite imagery for the selection of best geographic sites of disaster mitigation projects.

Guest Speak

Sh. D C Rana, IAS

**Director-cum-Ex-Officio Special Secretary
(Revenue Disaster Management), GoHP**

I would like to express my sincere appreciation for the outstanding software application developed by National Informatics Centre, Himachal Pradesh for managing the State Disaster Mitigation Fund. This role and work-flow based Web Application streamlines the process of submission of PPR's (Preliminary Project Reports) and DPR's (Detailed Project Reports) by various Departments of State Government for seeking funds to mitigate disasters. The software has significantly enhanced our ability to track, allocate, and monitor disaster mitigation resources with greater efficiency and transparency.



The user-friendly interface and robust functionality have made it easier for us to manage the funds distribution across the State to mitigate disasters, ensuring that resources are utilized effectively and in a timely manner. Moreover, the real-time reporting and data analytics have proven invaluable in assessing the funds utilisation, which is critical for future planning and decision-making.

Your team's hard work and dedication to creating such a powerful tool have not gone unnoticed, and we are confident that it will play a crucial role in mitigating disasters in our State. We look forward to continued collaboration and future improvements to further optimize the system.

Once again, thank you for your exceptional work, and we greatly appreciate the positive impact this software is making in our disaster mitigation efforts.

Tech Tips

Useful Keyboard Shortcuts - Windows Operating System

Spacebar scrolls down the page.

Shift Key + Spacebar scrolls up the page.

Windows Key + D helps to hide or show the desktop at once, despite how many tabs and windows are opened on the desktop.

Windows Key + Left/Right Arrow allows to select and work on two windows side by side.

Alt Key + Tab switches between multiple windows quickly.

Windows Key + L locks the computer instantly. This comes in very handy when required for immediate privacy.



In Focus

National eVidhan Application (NeVA) was inaugurated on 18 December, 2024 by Sh. Kuldeep Singh Pathania, Hon'ble Speaker HP Vidhan Sabha, Sh. Sukhvinder Singh, Hon'ble Chief Minister HP and Sh. Jai Ram Thakur, Hon'ble Leader of Opposition in presence of all the Hon'ble Members of Himachal Pradesh Legislative Assembly. Sh. Sandeep Kumar, Sr. Director (IT) has played a pivotal role in migration of eVidhan to NeVA and conducted a series of user trainings for smooth rollout of the application.



Himachal Pradesh State Disaster Mitigation Fund (HP SDMF) MIS portal was launched by Sh Sukhvinder Singh, Hon'ble Chief Minister of Himachal Pradesh on 15 October, 2024.

To review the various ongoing projects and activities at NIC District Centres and all the NIC Offices in the State, two days DIOs Workshop was organised on 11 & 12 December, 2024 at NIC HP State Centre Shimla. The workshop was Chaired by Sh. I.P.S. Sethi, State Coordinator NIC Himachal Pradesh.



Sh. Ajay Singh Chahal, DDG-cum-SIO NIC Himachal Pradesh welcomed Sh. I.P.S. Sethi and all the participants. Sh. Chahal also presented the State Profile of NIC HP and briefed about the various Products/Projects and Mobile Apps being developed and managed by the NIC Himachal Pradesh.

Sh. Sethi appreciated the work being done by NIC HP and opined that sincere and excellent work done by NIC HP has been acknowledged at the National Level. He commended that many National Level Projects developed by NIC HP are being implemented pan India.

A one-day workshop on NIC developed e-Tools viz. CollabFiles, eTaal and Gov.in Secure Intranet Web Portals was organised by NIC Himachal Pradesh on 10 December, 2024 at H.P. Secretariat Shimla for the officers and officials of various Departments of Himachal Pradesh.



The workshop was inaugurated by Sh. Prabodh Saxena (IAS), Chief Secretary, Government of Himachal Pradesh and he encouraged all the participants to make full use of these tech tools. Smt. Rakhil Kahlon (IAS), Secretary, Ayush and Digital Technologies & Governance was the Guest of Honour.



Sh. I.P.S. Sethi, State Coordinator, NIC Himachal Pradesh along with his team gave detailed presentations of these e-Tools and played a key role in the workshop. Sh. Sethi shared the national perspective of the ICT initiatives being undertaken by the NIC and assured full support from NIC in implementation of these products and achieving the desired objectives. Dr. P. Gayatri, Sr. Director (IT) & HoD (CollabFiles) and Dr. O. P. Gupta, Director (IT) demonstrated these portals in detail and addressed the participants queries.

Destination

Yulla Kanda - Home to the World's Highest Krishna Temple

Yulla Kanda is a spiritual trek located in Rora Valley of District Kinnaur in Himachal Pradesh. The trek is about 12 kilometers long which culminates in a beautiful lake at an elevation of 3,895 meters, making it a popular destination for both pilgrims and trekkers.

According to legends, the holy lake at Yulla Kanda was built by the Pandavas during their exile in the Himalayas. Following the completion of the lake, the temple dedicated to Lord Krishna was built.



The most striking feature of this temple is its location. It is situated right in the middle of the high-altitude lake. The temple's most notable feature is its elevation above the sea level, making it the world's highest temple dedicated to Lord Krishna. Another significant aspect is that people of all faiths come and pray here.

Yulla Kanda is a place that attracts both pilgrims and trekkers alike. While the area remains mostly deserted throughout the year, the tourists, locals, and people from all over Kinnaur and other parts of Himachal Pradesh visit the holy lake every year to celebrate Lord Krishna's birth anniversary. They perform a circumambulation of the lake to atone for their sins.

The trek to Yulla Kanda starts from Yulla, a small village situated on a hillside. The best time to do the Yulla Kanda trek is between May and October.

ACCESS

The nearest airport to Yulla is Shimla Airport (at Jubbarhatti), located at about 233 kilometers away. The nearest broad-gauge Railway Station is about 278 kilometers away at Kalka whereas the nearest narrow-gauge Railway Station is Shimla, situated at about 215 kilometers away. You can take a taxi or bus via Tapri and Cholling to Yulla from these places.

Tech Updates

SDN - Software Defined Networking

What is SDN?

Software Defined Networking (SDN) is a software-controlled approach to networking architecture driven by Application Programming Interfaces (APIs). SDN leverages a centralised platform to communicate with IT Infrastructure and to direct network traffic.

SDN Architecture

In a traditional network, each LAN Switch has its own data plane as well as the control plane. The control plane of various LAN Switches exchange topology information and hence construct a forwarding table that decides as to where an incoming data packet has to be forwarded via the data plane. Software Defined Networking is an approach via which we take the control plane away from the switch and assign it to a centralised unit called the SDN Controller. Hence, a Network Administrator can shape traffic via a centralised console without having to touch the individual switches. The data plane still resides in the switch and when a packet enters a switch, its forwarding activity is decided based on the entries of Flow Tables, which are pre-assigned by the controller.

A Flow Table consists of match fields (like input port number and packet header) and instructions. The packet is first matched against the match fields of the Flow Table entries. Then the instructions of the corresponding flow entry are executed. The instructions can consist of forwarding the packet via one or multiple ports, dropping of the packet, or adding headers to the packet. If a packet doesn't find a corresponding match in

the Flow Table, the switch queries the controller which sends a new flow entry to the switch. The switch forwards or drops the packet based on this flow entry.

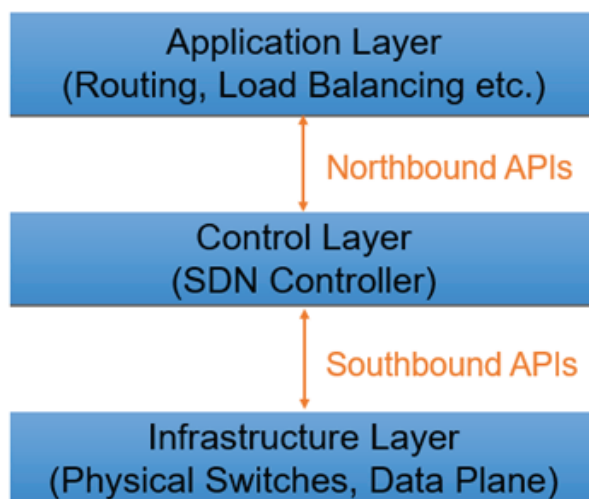
A typical SDN architecture consists of following three layers:

Application Layer It contains the typical network applications like intrusion detection, firewall and load balancing.

Control Layer It consists of the SDN Controller which acts as the brain of the network. It also allows hardware abstraction to the applications written on top of it.

Infrastructure Layer It consists of physical switches which form the data plane and carries out the actual movement of data packets.

These layers communicate via a set of interfaces called the Northbound APIs (between the application and control layer) and Southbound APIs (between the control and infrastructure layer).



SDN Architecture

Awards & Accolades

NIC Himachal Pradesh has been conferred with the prestigious m-Governance Initiative of the Year Award 2024 (15th National Digital Transformation Awards 2024) for School Safety Mobile App for Government of Himachal Pradesh. The awards ceremony was organized by the GovConnect at Vivanta Taj, Guwahati on 13 December, 2024. Shri Sandeep Sood (Senior Director IT) and Shri Sanjay Kumar (Director IT) received the award on behalf of National Informatics Centre, Himachal Pradesh.



Family Connect

Shrutishrava D/o Smt. Suman Sharma & Sh. Akhilesh Bharati tied up the wedding knot with Shivam on 2 December, 2024.

Ayush S/o Smt. Laxmi Sharma & Sh. Ashwani Kumar tied up the wedding knot with Ankita on 3 November, 2024.



NIC Himachal Pradesh wishes a happy married life to the newly wedded couples.

Upon transfer to NIC HQ New Delhi, Sh. Daljeet Singh Rana (Director IT) got relieved on 28 December, 2024 after rendering valuable services for about 25 ¼ years in NIC Himachal Pradesh.

NIC Himachal Pradesh wishes a bright future to Daljeet Singh Rana.

“NIC Himachal Pradesh wishes happy, healthy and prosperous New Year – 2025”

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Every minute you spend in planning
saves ten minutes in execution.
Brian Tracy

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