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**Rainbow School Nerok
Zanskar Multi-Purpose
Auditorium Hall Progress
Report 2025**

- ❖ **Financed by TCEF and APECIH**
- ❖ **Technical Support by HAIL Ladakh**

Construction Report No 3

- ❖ **Report on Multi-purpose Auditorium Hall from 3rd Sept to 18th November 2025**



Rainbow School zanskar



rainbowschoolzkr

Progress Update – Cafe, Kitchen, and Changing Rooms



The painting work of the Cafe, Kitchen, and Boys' and Girls' Changing Rooms has been successfully completed. As these rooms are smaller in size compared to the Auditorium Hall, their roofs have been constructed using the traditional local method with wooden beams and a mud covering.

In addition, painting has been finalized and the electrical piping layout has been completed. We are pleased to report that these rooms have also been designed as **passive solar spaces**. As of **13 December 2025**, the indoor temperature in these rooms is approximately **+10°C**, while the outside temperature is **-17°C**, clearly demonstrating the effectiveness of the passive solar design.

We are happy to share this encouraging progress.



Roof and Floor Insulation Details



The floors have been insulated using **barley straw mixed with clay**, reinforced with **mesh**, and finished with a **PPC layer** on top to ensure strength and durability. The final surface finish of the floors will be **wooden flooring**.

Similarly, the roofs of the **Cafe, Kitchen, and Boys' and Girls' Changing Rooms** have also been insulated using the same **straw-clay insulation method**, following traditional and eco-friendly construction practices.

This insulation system significantly enhances thermal performance and contributes to the passive solar efficiency of the building.



Electrification Progress



The layout of electrical piping has been completed in all respects. Once the Auditorium Hall is fully ready next year, the final stage of electrification will include **wiring and installation of switches, lights, and socket points.**



Installation of Shingsak (Wooden Decorative Hanging)



The **Shingsak (wooden decorative hangings)** were carefully crafted by local artisans and later assembled and installed on the walls of the **Auditorium Hall**.

These traditional wooden elements enhance the **aesthetic beauty** of the hall while preserving the **authentic traditional architectural character** of the building. The use of Shingsak reflects our commitment to promoting local craftsmanship and maintaining the cultural identity of the region.



Installation of Shingsak (Wooden Decorative Hanging)



Glazing Work Progress



Clear **5 mm glass** was received at the school from our supplier. After careful unloading by the labour team, each glass sheet was cut to the required size and fixed into **wooden frames** for proper fastening and support.

The **outer facade windows** have been designed with **double glazing**, maintaining a **1-inch air gap**, while the **inner windows** are fitted with **single glazing**. All glass panels have been sealed using **clear silicone** to ensure complete **airtightness** and improved thermal insulation.



Glazing Work Progress



Mr. Rakbee, a volunteer, has been carefully cleaning the glass panels and providing valuable assistance during the glazing work. He volunteered his services for **15 days**, supporting the school especially during the installation of the glazing. Rainbow School Zanskar sincerely appreciates his dedication and generous support



MS Trussed Roofing Work



Considering the **long span of the Auditorium Hall**, and the requirement to keep the space **free of intermediate supporting pillars**, the MS trusses were designed with sufficient strength and load-bearing capacity. For lifting and positioning the heavy trusses, the technicians employed the traditional **“block and tackle” pulley system**, which uses multiple grooved pulleys and ropes to provide mechanical advantage, enabling safe handling of substantial loads.

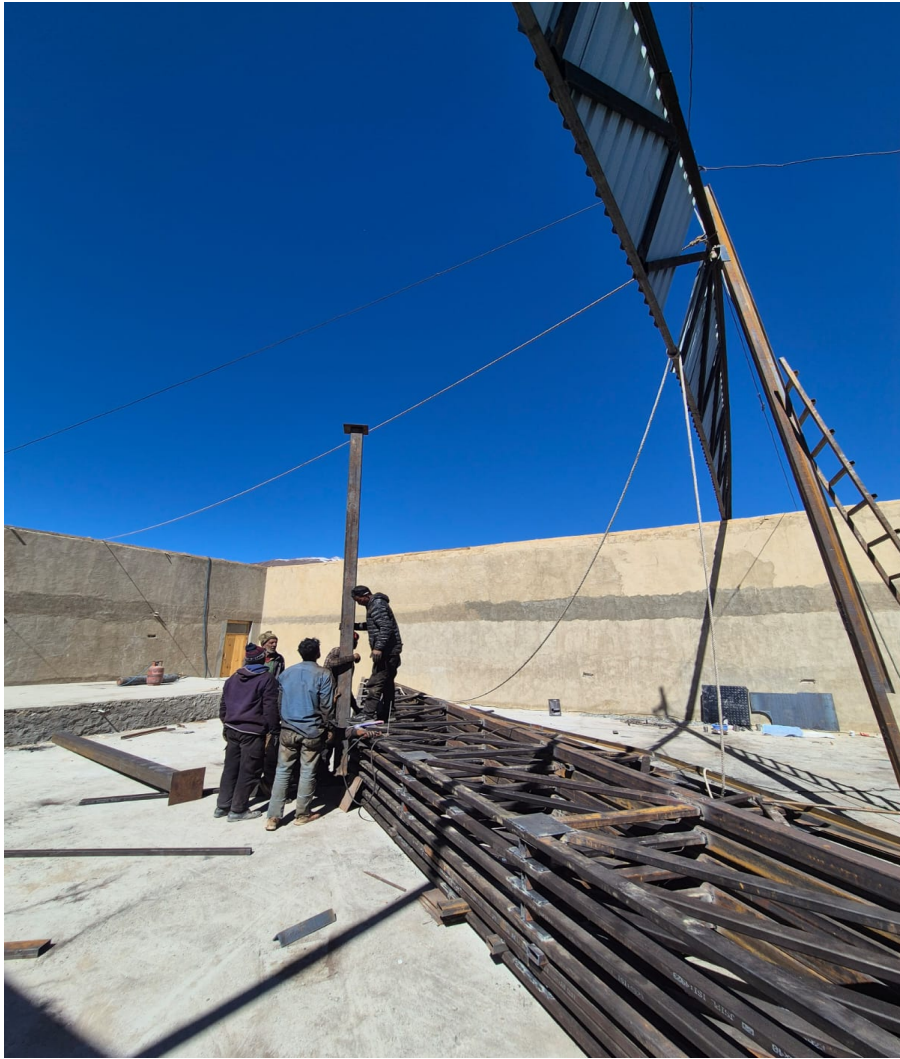
However, the MS trussed roof could not be insulated at this stage, as it was too late in the season to transport insulation materials, and most skilled labourers had already departed due to severe cold conditions and the risk of high-pass closures. The insulation work is therefore planned for the next construction season.



MS Trussed Roofing Work



MS Trussed Roofing Work



MS Trussed Roofing Work



First Use of the Auditorium Hall



Although the Auditorium Hall is not yet fully completed, it was used for the first time due to the severe cold and strong winds outside. The **Multipurpose Auditorium Hall** provided a safe and comfortable space for important occasions such as the **final academic examinations** and the **celebration of Children's Day**.

We were extremely happy and grateful to conduct these activities in a space protected from harsh weather conditions.

Rainbow School Zanskar remains deeply indebted to Gyen Karma la, Ama La Jennifer Prugh, and all the dedicated members of TCEF Montana and Mr Pierre Odier Donor and APECIH Switzerland for their continued support and generosity, which made this milestone possible.



Words of Gratitude and Closing Note



Thank you for your trust and confidence in **Rainbow School Zanskar**. We could not have been more fortunate—this project has long been one of our greatest dreams and highest priorities.

Having a functional **Auditorium Hall** will save a great deal of time and provide comfort and convenience for our students, staff, and community. It marks a significant step forward for the school and its future activities.

With these words, I conclude this update. We will share the **next construction progress report in the coming year**.

Until then, we wish you all **good health, happiness, and well-being**.

With sincere gratitude,

Rainbow School Zanskar

