

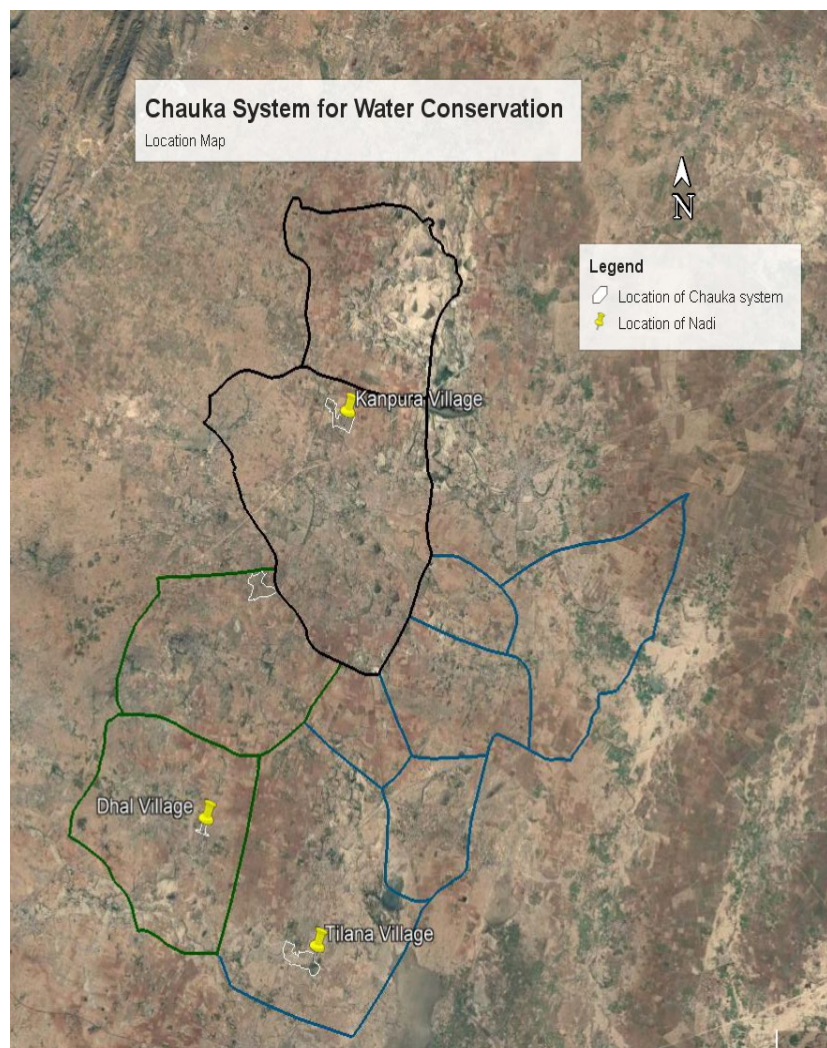
**Assessment Report**  
**Chauka System for Water Conservation**  
**Duration- 01<sup>st</sup> February 2021 to 30<sup>th</sup> June 2021**

**Submitted By -Sourabh Soni**

**Reviewed By -Maneesh Sharma**

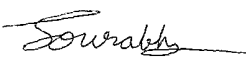
The goal of the project “Chauka System for Water Conservation” is to rediscover the traditional water resource and conservation of rainwater through Chauka

System and Nadi construction in three remote villages names Dhal, Kanpura, and Tilana of Srinagar Block in Ajmer district. The project has been planned around the most important component i.e., water conservation with specific importance given to maximize the rainwater conservation capacity through the Chauka system and Nadi construction. The major objective of the project is to create awareness among the key stakeholders concerning water resource management and maintenance of



assets of traditional water in the villages, promotion of Chauka system which would for proper utilization of wasteland especially in pasture land, harvest the surface water, ensure adequate storage and water conservation capacity.

In the project duration, Swera Sansthan has conducted a baseline survey and identify the locations of the structure as per the feasibility and acquire the NOC from gram panchayat and collection of data like Map and Jamabandi from Patwari and Panchayat. After the preparatory phase, the agency has started mobilization and

  
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awareness generation through community meetings and Puppet show (street play), wall painting (slogan writing), and constructed Chauka system in 80Ha. Pastureland and three Nadi.

The Swera Sansthan has deployed the project team as per the agreement. The team has led by Mr. Bhupendra Singh, Project Manager under the guidance of the organization's Secretary Mr. Bishan Lal Vaishnav. He has regularly monitored the progress of the project and time to time visited the field and given his inputs for grooming the team.

**Detail of Activities carried out during the project duration (February 2021 to June 2021) are given below-**

**❖ Chauka System**


The agency has constructed Chauka system, for harvesting rainwater and for increasing the storage and recharge capacity of that area that directly increases the groundwater table, this technique is typically used constructed on commun pasture areas



that are subject to monsoon rains. Collectively, the low-height bunds work together like sponges, collecting the erratic, unpredictable rains and helping them meander down the nature. The agency has constructed square-shaped chauka on three sides there were earthen walls and one side was left open to allow rainwater to fill the structure. As one structure



is filled, then the excess water will move to the next chauka and so on. Retaining the rainwater in this way can help prevent soil erosion and recharges the surface water. The excavation and dressing work of chauka and farm bundwork has been

  
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constructed on a total of 80 ha. pasture land on four identified locations. The quality of Chokha and dressing of bund found satisfactory and proper gap has been provided in between of bund an excavated trench. Detail of measurements is given in Annexure-1.

❖ **Nadi Construction**

The Nadi is the most common water storage structure for rainwater harvesting. The agency has constructed and renovated three Nadi in three identified locations in Tilana, Dhan, and Kanpura village. Nadi has been constructed by the filling of excavated earth from the submergence area. Water will store in these Nadi and will act as a



source of groundwater recharge through seepage and deep percolation and it is also generally used for drinking by livestock and nearby community. water will store in these tanks for just a few weeks or months, and thereafter, it percolates in the ground.

Detail of measurements is given in Annexure-2.

Sr. No.	Name of Structure	Village Name	Latitude	Longitude	Description of work
1	Construction of Nadi-1	Dhal	26°19'41.05"N	74°49'11.53"E	Earthen bund of Length 236.90m and bottom width 6.70m, top width is 3.05m and height 1.70m with proper compaction and dressing of bund.
2	Construction Nadi-2	Kanpura	26°24'20.98"N	74°51'20.20"E	Earthen bund of Length 228.65m and bottom width is 4.55m top width 1.90 and

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Sr. No.	Name of Structure	Village Name	Latitude	Longitude	Description of work
					height 1.25m with proper compaction and dressing
3	Construction Nadi-3	Tilana	26°18'12.98"N	74°50'52.30"E	Earthen bund of Length 465.50m and bottom width 7.85m top width 4m and height 1.75m with proper compaction and dressing

❖ **Puppet Show, Wall Painting, Street play for Awareness and Capacity Building**

For the awareness generation among the community regarding the project, the agency has organized a Puppet show and slogan writing in their three focused villages.

➤ **Puppet Show**

The puppet show is a very good way to deliver information to the community and help them retain it. The agency has organized three Puppet shows (Street play) in their focused village named Dhal, Kanpura, and Tilana village, the puppet show was




based on the theme which directly relates the water conservation and with the help of puppet show the agency has disseminated information and generated awareness among the community regarding the water conservation through Chauka System and Nadi construction. Over 350 people attended the puppet show.

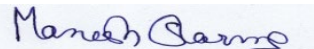
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➤ **Wall Painting**

The wall painting (slogan writing) is not merely a group of catchy words, they are a strategic attempt at creating a persuasive image in the minds of the community. The agency has painted slogans in various locations in their three villages. The slogans are based on water conservation.

  
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