

Govt. of India
Ministry of Jal Shakti
Dept. of Water Resources, River Development
& Ganga Rejuvenation

ATAL BHUJAL YOJANA

*Women Empowerment
for
Sustainable Water Security Planning*

ISSUE 2 | OCTOBER - DECEMBER 2022

Newsletter



NATIONAL PROGRAM MANAGEMENT UNIT (NPMU)
ATAL BHUJAL YOJANA

MDSS (MTNL) Building, 9 CGO Complex,
Opp. Gate No. 13, JLN Stadium, New Delhi - 110003





Environmental awareness campaign in Guhala Gram Panchayat, Neem ka Thana Block, Sikar District, Rajasthan

Quarterly Magazine

Atal Bhujal Yojana

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Cover Page Photos (Left to right)

- GP level Training in Dhodra GP, Baghpat Block, Baghpat District (UP)
- A story of Bhujal Jaankar: Smt. Hiraben Gadhavi, a woman of Substance
- GP level Training in Chandangaon GP, Shrimahaveer Ji Block, Karauli District, Rajasthan



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From the Project Director Desk

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Message from the Project Director

Happy New Year!

We usher the new year 2023 with a renewed commitment for women empowerment with a focus on identifying and redressing power imbalances and giving women more autonomy to manage common resources as well. Being community led sustainable groundwater management scheme, the role of women is of paramount importance in Atal Jal.

Our lead story is about a Bhujal Jankar- Smt. Hiraben Gadhavi, who with her efforts motivated other women and transformed her village. A similar story is told by Asha worker- Smt. Nirmla Sharma. We sincerely hope that Atal Jal will facilitate thousands of empowered women managing their resources sustainably.

Our other features cover major activities and events under Atal during this quarter such as participation of Atal Bhujal Yojana in the 7th India Water Week 2022 and India International Trade Fair, National Level Training conducted at Kurukshetra, Haryana, Gender Midterm Evaluation Study conducted in all the seven States, meetings and visits in the States for scheme implementation and Midterm Review by the World Bank in the States of Haryana and Rajasthan.

It is our belief that these endeavours, propagated through the Newsletter, would be instrumental for having cross fertilization of ideas among the stakeholders of the scheme and different partners associated with the Atal Jal. It is our sincere belief that you will find this Newsletter helpful in creating awareness among the people including stakeholders and others interested to know about the scheme. We would be delighted in having your feedback on the Newsletter and suggestions on making the Newsletter more engaging and useful.

Once again, we wish you a very prosperous and inspirational New Year 2023!

Warm Regards

Pratul Saxena

A woman of Substance – Smt. Hiraben Gadhavi

Women Empowerment for Sustainable Water Security Planning



*For we women are not only the deities of the household fire, but the flame of the soul itself.
...Gurudev Rabindranath Tagore*

Smt. Hiraben Gadhavi, from Nani Khakhar village, Kachchh district, Western Gujarat stands perfect on the dias graced by the Hon'ble President of India during 7th India Water Week-2022. She is a women of substance, who was recognized as a water steward for her exemplary work carried out in local management of groundwater as "Bhujal Jankar".

Smt. Hiraben got associated with Arid Communities and Technologies (ACT) working as District Implementation Partner (DIP) under Atal Bhujal Yojana in Gujarat State. She learned about groundwater and the ways to manage it. During the past few years, she has created many women's groups and also initiated low-cost agricultural activities as well. She promoted various water efficient techniques to other farmers and replaced chemical fertilizers with natural one.

With her background knowledge on groundwater and a member of DIP, she is actively involved in the scheme implementation at Gram Panchayat level. She has attended several orientation and training programs organized under Atal Bhujal Yojana on preparation of Water Security Plan, monitoring groundwater levels, site selection for groundwater recharge, water efficient measures in demand and supply side management. Her

journey so far has inspired many others to come forward for the noble cause and unite to save and conserve water.

Ministry of Jal Shakti, Govt. of India has recognized her efforts and invited her in the 7th India Water Week 2022 to share her experience under Atal Bhujal Yojana. On 1st November 2022, in the august presence of the Hon'ble President of India, Smt. Droupadi Murmu, she shared a bit of her journey.

"Before my work as Bhujal Jankar, I never thought about excessive groundwater usage in my village and used to feel that there is lot of water available for us to use. After learning from meetings and training under Atal Bhujal Yojana, now I have understood that we have limited availability of water resources, and we need to value and conserve it. We, as a Bhujal Jankar of ACT, a DIP under Atal Bhujal Yojana facilitated in preparation of water security plans for 13 Gram Panchayats of Mandvi Block, Kachchh District, Gujarat. This has now brought a change in the lives of people by making them aware towards sustainable groundwater development and participatory management through community involvement. I utilized my knowledge in groundwater and identified defunct borewells from villages. These defunct borewells are now the points for recharging excess rainwater into the groundwater system. This has given us a good results. Previously, the drinking water borewells of our village Panchayat used to go dry in summer; and people had to fetch water from 3-4 km away from the village or order water tankers. But now, water is available in our Panchayat even in summer months also, because of the recharge interventions that we did."

She was applauded for the initiative under Atal Bhujal Yojana for promoting Gender Equality, besides social inclusion in groundwater management which can lead to sustainable solutions at the grass root level.

Be the part of Change – Smt. Nirmala Sharma

Nirmala Sharma, a resident of village Balewa, district Gurugram is a ASHA worker. Being a woman, she is aware about water issues as people have to fetch water to meet their domestic water requirements. Over the past few years, she has witnessed a noticeable change in overall groundwater scenario in her village.

Inspired by the reason and her wish to become a part of change, she involved herself in various water related activities in the Gram Panchayat.

Her contribution in water conservation at panchayat level has been noticed by the State of Haryana and nominated her to share her experience in the 7th India Water Week 2022. Some of the bites from her address during Atal Jal Session in 7th IWW 2022 are reproduced below.

“I want to throw light on depleted ground water levels in my area. In my Gram Panchayat Balewa, I have seen that till few years back, ground water levels in the area were shallow and we use to extract water from the dugwell comfortably. With the advent of technology, many handpumps, borewells and tube wells were drilled in our area and people started extracting groundwater. At present, groundwater is being extracted indiscriminately. Construction of these borewells and tubewells are very expensive and the cost of electricity charges too. Every year, groundwater levels in our area are depleting fast because of huge groundwater withdrawal.

I am doing the work of social ASHA worker in my village. Ground water has now become a matter of great concern in the present times. Many state Govt schemes are going on to save ground water and to raise the falling ground water level. However, Atal Bhujal Yojana has given us a clear direction to proceed in our future endeavors.

I have attended all the meetings and trainings under Atal Bhujal Yojana. We have been taught to prepare water budget for our gram panchayat. We were also told about various household water saving techniques to save water. The villagers are advised to adopt mini sprinkler or drip irrigation method instead of flood irrigation. Crop rotation methods were also advised by the DIP and the villagers are encouraged to cultivate low water intensive crops.

We have gained knowledge under Atal Bhujal Yojana to



prepare water budget and water security plan of Gram Panchayat. Participation of women has also been ensured Atal Bhujal Yojana. In our gram panchayat plan, villagers have proposed demand side and supply side interventions. Women have cast their votes in the water security plan approval and listened very carefully to the things told in the women’s meetings. They also took an oath that we will save water and the women took a pledge to run an awareness campaign in the rural areas. After joining this cam-paign, we started explaining the other women of our village panchayat to use the ground water efficiently to make it available for our future generations.

Water contributes to the existence of all living beings and Atal Bhujal Yojana is bringing the change in the behaviour of people. I wish to become a part of this change.”

Transforming Village through Active Women Participation

The importance of women participation in transforming a village from a water deficit to water surplus can be aptly understood through the story of Barmer village. It is a small village in Babina block of District Jhansi in Uttar Pradesh, having a population of around 1500 people located about 15 kms from the block headquarters. The livelihood of the people



of the village is totally dependent on rain-fed agriculture. One small Nala (rivulet) flows from the side of the village where Gram Panchayat with the help of other line departments had built eight check dams long back. These check dams has helped in maintaining the village's ground water level, but since 2016, seven check dams have been damaged. Due to these defunct water recharging structures the water table in the village has dropped by 3-4 meters and 40- 50 feet deep dug wells have become dry in the last 5-6 years.

With the induction of the Atal Bhujal Yojana, the villagers have gained motivation to address the village's escalating water crisis. M/s Parmarth Samaj Sevi Sanstha which is working as DIP has motivated the villagers by creating awareness about the Atal Bhujal Yojana among the community members and rejuvenation of the check dams for improving the declined trend of ground water level. The DIP has organized various awareness programs in the village and developed "Jal Saheliya" for women participation. These Jal Saheliyas namely Kalpana, Aarti, Sushila, and Uma Devi conducted a door to door campaign for creating awareness about the village's water scarcity.



The impact of Atal Bhujal Yojana was seen in the village when these Jal saheliyas along with other 35 women and 10 farmers in the village renovated Kuntewala checkdam which was damaged for the last 8 years, through their efforts and organizing shramdan. Thus, Atal Bhujal Yojana has become an instrument in motivating the village community for eradication of water problem.

It set a precedent for others and contributed to the



village's water crisis. This check dam has become vital to the village, because it directly benefits 250 acres of land belonging to 60 farmers. The renovation of this 20meter long check dam was completed in May, 2022 with the help of community members particularly the women folk.

During the last rainy season, this check dam was filled to its full capacity of 80 lakh litre. The water in this check dam has also contributed to a one meter increase in the water level of nearby wells. This will undoubtedly assist farmers in harvesting good crops in the long run. It not only spread awareness but also gave a ray of hope for the villagers.

ACTIVITIES

Gender Midterm Evaluation Study

Citizen's feedback is one of the critical activity under Atal Jal to gauge the performance of capacity building and IEC activities. Therefore, an internal Gender Midterm Evaluation study is being conducted in all the participating states to track processes and progress on gender inclusion, challenges, and results so far. This would provide a reference point for tracking the program's progress and suggest a course of correction on Gender Equity and



Mainstreaming. Additionally it will also help in understanding the willingness of the women for their involvement in groundwater management activities. The study would also reveal the understanding of the local community and members of the Water User Associations and others about Atal Bhujal Yojana. At the same time, it will also record the feedback and suggestions of the community on how to bring effectiveness in the IEC and capacity building activities.

An exhaustive and systematic methodology and tools are designed for data collection and analysis through both quantitative and qualitative assessment. Close coordination by NPMU with all SPMUs and concerned DPMUs and DIPs are in progress to guide step by step process and troubleshoot any challenges. Regular meeting through video conferencing

and a physical workshop at NPMU with all Social, IEC and Gender Experts from all SPMUs were



conducted for seamless operation. All the SPMUs have also conducted similar workshops in their states for all the concerned experts and staff of DPMUs and DIPs for their understanding of roles and responsibilities with timelines.

The study has been commissioned in mid of



November in all the seven states in representative Gram Panchayats from all the Atal Jal districts and expected to complete by February 2023. Day to day basis coordination and troubleshooting with all the states is being done to ensure timely and quality completion of the activities.

ACTIVITIES

Training, Workshops and Exposure visits

Training cum Exposure Visit for the Progressive Farmers

Under Atal Bhujal Yojana, a Farmers Training cum Exposure visit was organized on 11th October 2022 at Plasticulture Development Centre (PDC), Reliance Industries Limited (RIL), Vadodara, Gujarat for the Progressive Farmers. The objective of the training cum exposure visit was to orient them towards new and innovative solutions in efficient agriculture. A total of 36 progressive farmers from the 5 districts under Atal Bhujal Yojana i.e. Gandhinagar, Mehsana, Sabarkantha, Banaskantha and Patan participated in the exposure visit. The faculty members of the PDC shared in-depth knowledge



with the participants about various techniques for efficient use of water through field demonstrations.

State Level Workshop for Sensitization of Line Departments

A one-day State-level workshop was organised under Atal Bhujal Yojana on 29th November 2022 at Panchkula, Haryana to sensitise and orient the officers of SPMU and line departments of Govt. of Haryana. The objective of the workshop was to discuss various key aspects of Atal Bhujal Yojana and to expedite implementation of the various supply and



demand side interventions proposed in the Water Security Plans. The workshop was inaugurated by Smt. Keshni Anand Arora, Chairperson, Haryana Water Resources Authority. Detailed deliberation held on various

aspects of Atal Bhujal Yojana with special focus on convergence of different schemes of Central and State Govt. being implemented by the line department. Example of best practices in irrigation were also showcased to take insights from them and implementation under Atal Bhujal Yojana.



Ms. Neety Nagi, Deputy Director, NPMU elaborated the role of line department in upscaling the scheme at state level through effective convergence & implementation of interventions on ground.

ACTIVITIES

Training, Workshops and Exposure visits

Training cum Workshop on "Adoption of Practices for Efficient Water Use"

Three-day national level training cum workshop on "Adoption of Practices for Efficient Water Use" was organised by Atal Bhujal Yojana from 6th to 8th December 2022 at "Haryana Irrigation



Research and Management Institute (HIRMI)," Kurukshetra, Haryana. A total of 64 participants including State Government officers, Agriculture Experts, Irrigation Experts, Water Resources Experts, Groundwater Experts and Hydrogeologist at SPMU & DPMU from all the Seven States under Atal Bhujal Yojana attended the training. The training program comprised of in-house lecture session on 6th Dec 2022



followed by the field visit in the gram panchayats for showcasing the best practices in groundwater management and water games for crop water budgeting.

On the first day of the training program, 9 presentations on various topics were delivered including overview of Atal Bhujal Yojana, water efficient practices in agriculture / irrigation sector, precision farming, community led initiatives in agriculture and water conservation, use of polymer technologies and water smart technologies in water management; diversification of horticulture crops. All these lectures were delivered by the eminent faculties from renowned institutions.



On the second day, a field visit was organized for all the participants to showcase the best practices adopted by the farmers in Haryana viz. water management through adoption of Micro irrigation system, in situ conservation techniques, Zero tillage / happy seeder etc at Village Beholi, Block Samalkha, District Panipat.

All the participants also visited the Indo - Israel Centre of Excellence for vegetables at village & block Gharaunda, District Panipat, Haryana.

On the 3rd day, a field demonstration was organized by Foundation of Ecological Security (FES), Gujarat on "Water Games on Crop Water Budgeting".

ACTIVITIES

IEC & Other Activities

Awareness Raising amongst the students on groundwater management

Children are the 'torch bearers'. On the occasion of Children's Day on 14th November 2022, a special event was organized by SPMU Karnataka of Atal Bhujal Yojana in which various activities such as Jatha (rally), songs on groundwater,

drawing and debate competition were organized to involve the students of high schools in association with Samagra Shikshana, Karnataka to make student community understand the importance of groundwater.



Spreading awareness through Atal Jal Stickers

As a part of IEC activities SPMU, Haryana, designed a sticker for distribution to the common citizens highlighting water efficient irrigation practices for major water intensive crops grown in the districts. These stickers were distributed at the Gram Panchayat. These stickers gained a wide popularity; accordingly about 85,000 stickers were distributed in 14 districts of Haryana under Atal Bhujal Yojana.



ACTIVITIES

Farmer's Camp for adoption of Micro Irrigation Technology

In order to disseminate the knowledge of efficient irrigation practices a farmer camp was organized at Sangli District, Maharashtra with an objective to motivate farmers to adopt micro irrigation, identify potential farmers and facilitate online enrollment applications.

The process started with the dissemination of information about PMKSY at the village level. The Atal Jal team conducted meetings, working sessions, and home visits to publicize information about the scheme. The team prepared a list of potential farmers and organized a special camp, provided detailed information about the process of obtaining approval and installing micro-irrigation sets. The team also facilitated the process of submission of online applications on the MAHADBT portal.

This activity helped in creating an enabling environment for more area under micro irrigation to achieve target under DLI#4



(Adoption of Efficient Water practices) of Atal Bhujal Yojana. A total of 515 camps have been conducted so far, and around 11,509 farmers have been mobilized for adopting micro irrigation techniques. Of these, around 10,075 farmers purchased micro irrigation sets (drip/sprinkler).



Latitude: 16.902263
Longitude: 75.252534
Elevation: 650.3±100 m
Accuracy: 11.2 m

ACTIVITIES

Verification of Water Security Plans

As part of key activities under Atal Bhujal Yojana, Gram Panchayat level Water Security Plan (WSP) have been prepared by all the seven participating states by September, 2022. The ground verification of WSPs were carried out jointly by the third party verification agency, as well as by State and National unit of Atal Bhujal Yojana. Standard questionnaire were developed



to assess community feedback as well as their involvement in preparation of the WSPs.

It was observed that communities are much aware about the scheme, its objectives and tangible benefits. The community also had knowledge of WSP components/Water Budget and participated in the meetings conducted under Atal Jal. Overall, the planning processes have been followed by the community. Field visits were also undertaken in few GPs to check demand and supply side interventions proposed, data disclosure at the Gram Panchayat level and IEC activities held under the scheme.

Strengthening Groundwater Monitoring

To support and strengthen the groundwater monitoring mechanism on groundwater quantity and quality, the States have procured various equipment like digital water level indicators, water flow meters, rain gauges, water testing kits, digital water level recorders under Atal Bhujal Yojana. Similarly, constructions of Piezometers have either been completed by the States or in the final stage. DWLRs are being installed in the piezometer for obtaining high frequency water level data.

The Community at Gram Panchayat level have been trained to use the equipments for better understanding of the seasonal changes in groundwater. The data will be subsequently used by the gram Panchayats for revision of water



security plan and to meet the future challenges with regard to groundwater resources.

HIGHLIGHTS

Visits & Meetings

Visit of Special Secretary, DoWR, Min. of Jal Shakti to Uttar Pradesh

Smt. Debashree Mukherjee, Special Secretary, Department of Water Resources, RD&GR, MoJS; Shri Subodh Yadav, JS, DoWR, RD&GR; Project Director, NPMU, officials of World Bank visited Lucknow on 14th October 2022 and discussed



the progress of Atal Bhujal Yojana with Chief Secretary and Principal Secretary, Uttar Pradesh. The Chief Secretary during the meeting directed SPMU and Line Departments to expedite activities under Atal Jal, especially convergence, and use of innovative techniques in Agriculture to save water.



Meeting with World Bank team

A team of experts from World Bank along with the foreign delegates visited office of the Atal Bhujal Yojana, New Delhi on 3rd November 2022 to have a glimpse of key activities and achievements under Atal Bhujal Yojana, specially about convergence and adoption of water efficient practices in agriculture, extent of community involvement, training and capacity building etc. The delegates exchanged their views on global best practices on community led sustainable management of ground water and



possibilities of adopting innovative practices on efficient use of water.

Visit of Officials from Embassy of Israel

A team from the Embassy of Israel visited office of the Atal Bhujal Yojana, New Delhi on 10th November 2022 to get the insight of Atal Bhujal Yojana scheme. The team exchanged views on the implementation of the scheme and possible collaboration with Govt. of Israel.



HIGHLIGHTS

Visits & Meetings

World Bank team visit to Gujarat

A World Bank team along with NPMU officials visited Gandhinagar, Gujarat on 23rd November, 2022 for fiduciary review with SPMU and the concerned procurement and financial management officials. The team reviewed the financial management perspective: the actual arrangements for funds flow, accounting, reporting, internal and external audit and aspects such as convergence and WSP.

The team also evaluated the status of various activities under the IS & CB component of Atal

Jal, including actual contracts carried out, staffing and procurement arrangements, oversight and procurement review and audit data, information and arrangements, status of awarded contracts, and related contract management issues; complaint and redressal mechanism etc.

The team was satisfied with the process and gave suggestions on further im-provement for timely and quality completion of the ongoing activities.

Review Meeting by Joint Secretary, DoWR, Min. of Jal Shakti at Karnataka

A progress review meeting on incentive fund utilisation was held under the chairmanship of Sh. Subodh Yadav, Joint Secretary, DoWR, RD&GR, MoJS at Vikasa Soudha, Bengaluru on 29th November 2022. Sh. Mrityunjaya Swamy,

during the meeting. The meeting was attended by officers and officials of various line departments. During the meeting, the Joint Secretary advised all the officers to utilize the incentive funds released to the state within estimated time frame and put all their efforts in scheme implementation.



Secretary, Department of Minor Irrigation & GWD, Government of Karnataka and Sh. Pratul Saxena, Project Director, NPMU were present



HIGHLIGHTS

Mid-Term Review by the World Bank team in Haryana

The World Bank Mid-Term Review (MTR) cum Implementation Support mission was held from 19th to 20th December 2022 in the Haryana State. The World Bank & NPMU team visited the fields of progressive farmers and witnessed implementation of micro irrigation system. After



presented the progress and planning of the work going on under the Atal Bhujal Yojana, Haryana on various aspects like convergence and incentive fund utilization, engagement of DIPs and physical and financial progress along with other program components.



the field visit, the World Bank & NPMU team held a meeting with the Deputy Commissioner Yamunanagar. A meeting was also held with all the line departments in Yamuna Nagar. On 20th December 2022, The World Bank team had a meeting with SPMU, Atal Bhujal Yojana at Panchkula, Haryana. The nodal officer SPMU



Meeting of Hon'ble MLAs and MLCs in Karnataka

SPMU, Karnataka organized a meeting of MLAs and MLCs of Atal Jal implementation blocks at Belagavi, Bengaluru on 20th December 2022. The meeting was organized under the chairmanship of Hon'ble minister of Law, Parliamentary Affairs and Legislation and Minor Irrigation provided opportunity to discuss the



progress under the project and taking suggestions from elected representatives for effective implementation of the project. The Secretary, MI & GWD and other senior officials from Atal Jal implementation districts participated in the meeting and discussed the project strategies.



HIGHLIGHTS

Mid-Term Review by the World Bank team in Rajasthan

The World Bank Mid-Term Review (MTR) cum Implementation Support mission of Rajasthan State was held from 21st to 22nd December 2022. The World Bank and NPMU team visited two Gram Panchayats in Dausa district viz. Khanwas Gram Panchayat of Nangal Rajawatan block and Alooda Gram Panchayat in Lawan Block. The team had detailed discussions with



Gram Panchayat officials and VWSC members on preparation of water budget and water security plan for their respective Gram Panchayat. The team also conducted meeting with officials of Line Departments at Dausa.



On 22nd December 2022, the team had a meeting with SPMU, Rajasthan and discussed on various aspect of Atal Bhujal Yojana.



A high-level meeting held with Dr Subodh Agrawal, Additional Chief Secretary, GWD, Govt. of Rajasthan regarding the progress update of Atal Jal. The team also had a meeting with Smt. Usha Sharma, Chief Secretary, Govt. of Rajasthan and discussed key issues pertaining to Atal Bhujal Yojana.

During the visit, the NPMU and World Bank team also met with the farmer beneficiaries of



the Farm Ponds under the program. The team discussed with Dausa DPMU officials, Agriculture expert, officials of the line Department, DIP team, VWSC members, Sarpanch and Village Development Officer regarding declining ground water levels and interventions suggested in the water Security Plan.

HIGHLIGHTS

Visit by Special Secretary, DoWR, Min. of Jal Shakti to Rajasthan

The World Bank Mid-Term Review (MTR) cum Implementation Support mission of Rajasthan State was held from 21st to 22nd December 2022. The World Bank and NPMU team visited two Gram Panchayats in Dausa district viz. Khanwas Gram Panchayat of Nangal Rajawatan



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A high-level meeting held with Dr Subodh Agrawal, Additional Chief Secretary, GWD, Govt. of Rajasthan regarding the progress update of



Atal Jal. The team also had a meeting with Smt. Usha Sharma, Chief Secretary, Govt. of Rajasthan and discussed key issues pertaining to Atal Bhujal Yojana.

HIGHLIGHTS

Exhibition

Village level camps (*shetkari melawa*) for promoting micro irrigation by SPMU- Maharashtra

A special camp was organized in Pune district, Maharashtra to disseminate information to motivate farmers on adoption of micro irrigation practices under PMKSY, which includes preparing a list of potential farmers. The camp helped in submitting online application on MAHADBT portal involving potential farmers, DIP, DPMU members, agriculture assistant, officials from Maha-E SEVA center etc. Overall, the camp resulted in creating awareness on

Micro-irrigation - drip / sprinkler among farmers, preparation of a list of potential farmers along with necessary documenting to avail PMKSY scheme through Water Security Plans under Atal Bhujal Yojana.



Atal Jal Stall at Agro Vision Exhibition, Nagpur

The District Program Management Unit, Nagpur, Maharashtra participated in Central India's Largest Agricultural Exhibition (Food, Fodder & Fuel) for the promotion and publicity of the Atal Bhujal Yojana. The exhibition was inaugurated by

The stall was set up from 25th to 28th November 2022. The main objective for participating in the exhibition was to reach out to the wider population in Atal Jal blocks and disseminate the information about the program, procedures for preparing the WSP, to increase awareness on demand and supply side interventions, water saving technologies at the farm, home, and at village level. A visual model of the catchment area for water conservation, Chitrarath, and rooftop rainwater harvesting models was also displayed. Thousands of visitors visited the Atal Bhujal Yojana stall in four days of the exhibition.



Hon'ble Sh Nitin Gadkari, Union Minister of Surface Transport, Highways, Government of India; Sh. Shivraj Singh Chouhan, Chief Minister of Madhya Pradesh along with other dignitaries.



HIGHLIGHTS

Participation of Atal Bhujal Yojana in 7th India Water Week-2022

The 7th India Water Week-2022 was organized by Ministry of Jal Shakti, Govt. of India from 1st November to 5th November 2022 at the India Expo Centre, Greater Noida, with the theme "Water Security for Sustainable Growth with Equity". Hon'ble President of India, Smt. Droupadi Murmu inaugurated the event in the august presence of Smt



Anandiben Patel, Governor, UP; Shri Yogi Adityanath, Chief Minister, UP; Shri Gajendra Singh Shekhawat, Union Minister of Jal Shakti; Sh Prahald Singh Patel, Union Minister of State for Food Processing Industries and Jal Shakti, Govt. of India,



and Shri Vishweshwar Tudu, Union Minister of State for Tribal Affairs and Jal Shakti.

A concurrent technical Session on Atal Bhujal Yojana was conducted on 5th November, 2022. Sh. Sunil Kumar, Chairman, CGWB; Sh. K C Naik, Member J&K Water Resources Regulatory Authority (JKWRA)

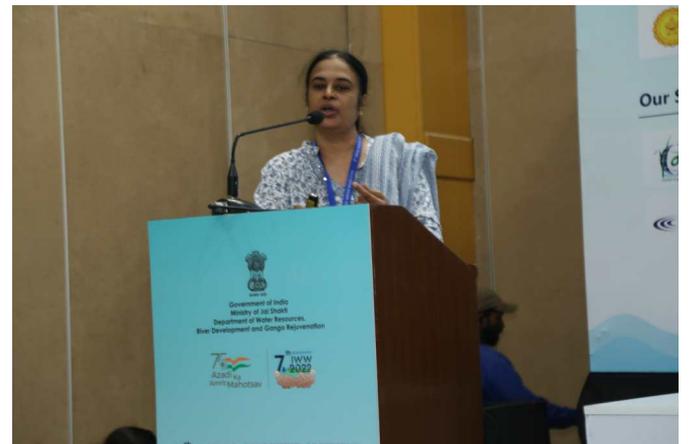
and former Chairman, CGWB and Sh. Pratul Saxena, Project Director, Atal Bhujal Yojana chaired the Expert Panel.

A presentation was delivered by Dr. Umesh S. Balpande, Director, NPMU Atal Bhujal Yojana highlighting program objectives, initiatives, progress made so far, challenges and future road map. A brief



presentation was also delivered by SPMU Karnataka on Implementation of various activities under Atal Jal. Smt. Nirmla Sharma, VWSC Member, Balewa Gram Panchayat, Haryana also shared her experience about Atal Bhujal Yojana.

The session was attended by officers of concerned



departments, scientists, experts, eminent personalities, NGO's officials, and students.

HIGHLIGHTS

Atal Jal stall in the Seventh India Water Week-2022

A stall of Atal Bhujal Yojana was also set up in the 7th India Water Week pavilion showcasing about the program, objectives, strategy of IEC and Capacity Building, Social and Gender



Inclusion, WSP process and M&E aspects through poster presentations. Program brochures, Newsletter and pamphlets on Atal Bhujal Yojana were displayed and distributed. Documentary on Atal Jal was also displayed at stall.

The Atal Jal stall was graced by the visit of Sh

Prahalad Singh Patel, Union Minister of State for Food Processing Industries and Jal Shakti, Govt. of India. He enquired about the program's overall performance and achievements so far. He extended his best wishes for the success of the program.

Sh Subodh Yadav, IAS, Joint Secretary (IC, Admin & GW), DoWR, RD&GR; MoJS also visited the stall and acknowledged the efforts of NPMU. The stall was visited by huge number of visitors during India Water Week.



Atal Jal Stall in India International Trade Fair (IITF)

The 41st India International Trade Fair was held at Pragati Maidan, New Delhi from 14th November to 27th November 2022. A stall of Atal Bhujal Yojana was setup by NPMU to display



and showcase Atal Jal's objectives, components, and the ongoing activities. Interaction with visitors were held describing future ground water challenges especially with the school children. In addition, various Water-saving

techniques were also briefed to spread the awareness and improving groundwater situation.



The stall was attended by large number of students and their parents who showed their keen interest in understanding the concept of Rain Water Harvesting & Artificial Recharge.

HIGHLIGHTS

Value Chain Analysis

To support the farmers under Atal Bhujal Yojana for adoption of less water intensive crops, a value chain study was taken up in Gujarat during mid of year 2022 so as to increase production, productivity and fair price to the primary producers and actors involved in the value chain. The value chain study was led by the World Bank



Consultant Sh. Himmat Patel, supported by Sh. Shantanu Garg, NPMU through knowledge exchange, technical inputs, and trainings to the identified team of Gujarat SPMU, DPMUs and DIPs. Field studies were undertaken by Gujarat team, which included the stakeholder consultations at various levels during mid of 2022.

As part of value chain support to promote relatively less water intensive crops, four commodities —cumin, pomegranate, urad (black grams), and moong (green grams) were selected. However, after triangulation process, two crops —pomegranate and cumin were selected as they are more profitable as compared to other less water intensive crops and are cultivated by sizeable number of farmers. A number of primary producers, service providers, input sellers, primary and secondary processors, retailers, wholesalers, contractors and concern line departments were interviewed to get comprehensive and fo-cussed information to conclude concrete steps.

The study revealed that Gujarat is not only a major producer but also a dominant one for both pomegranate and cumin. The value chain study revealed that in case of pomegranate, losses are incurred when both the price and yields drop drastically; however, in case only one variable reduces drastically, the production could still be profitable.

In case of cumin, amongst the two factors (yield, and market price), cumin yield is more in control of the farmers, therefore, it is recommended to focus on enhancing the yields in farm to ensure the profitability and sustainability of cultivation. Crop management by providing adequate nutrients, disease and pest control are thus very critical to sustained profits. The cumin prices are less variable than pomegranate and have increased over time

For both the crops, opportunities lies in:

- Collective action for input and output marketing
- Primary processing such as grading and sorting
- Linkage with large buyers within the region and export to markets
- Strengthening extension services through digital and other means
- Use current farmer producer organizations (FPO) —some are strong and well connected to markets
- Use the lead farmers to mobilize farmers and motivate them



GALLERY

COLLECTABLES



Bardu Jogi Haryana India

- 1 SISC meeting in Karnataka.
- 2 Gender Midterm Field Survey in Maharashtra.
- 3 Water Level recording in Uttar Pradesh.
- 4 Environmental Awareness Campaign in Rajasthan.
- 5 Verification of beneficiary (DSR and MPMV) by NPMUs and QCI in Haryana.
- 6 Water Quality training in Haryana.
- 7 Review meeting chaired by CM Haryana.

GALLERY

COLLECTABLES



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- 1 Review meeting by the DM, District Jhunjhunu in Rajasthan.
- 2 Women orientation on Atal Jal in Jhalawar District Rajasthan.
- 3 Construction of rain water harvesting structure in Madhya Pradesh
- 4 Women's Group meeting at village Ludva Block- Mandvi, District - Kachchh, Gujarat.
- 5 QCI team visit in Rajasthan.
- 6 IEC activities at school level, Rajasthan.
- 7 Atal Jal Stall in Satara, Maharashtra.



महोदया पुलआउट 24-12-2022

साप्ताहिक वर्षापन दिनामिति सर्व वाचकास हार्दिक शुभेच्छा
संत गौरीबा काका समाचार
 संपादक : श्रीकृष्ण लोवटे मो. : ९४२१३०३९८९ (M.A.M.M.C.J.L.L.B.H.R.C.)
 e-mail : klotm77@gmail.com RNI No. MAHMAR 41499/13/2012
 परमाणवाचक साप्ताहिक वर्ष : ११ वं अंक : १ वा मुकाम दि. १५ डिसेंबर २०२२ पाने : ४ किंमत : १ रुपया

जल बचाने और सदुपयोग करने के लिए राष्ट्रीय कान्फ्रेंस में हुआ मंथन

कुरुक्षेत्र, 6 दिसम्बर (प्रेस) : सिंचाई विभाग हरियाणा द्वारा हिदमाी कुरुक्षेत्र में अटल भूजल योजना के अंतर्गत स्टेट लेवल तीन दिवसीय कार्यशाला को हुई शुरुआत जल शक्ति मंत्रालय भारत सरकार के अंतर्गत अटल भूजल योजना सिंचाई एवं जल संसाधन विभाग हरियाणा द्वारा हिदमाी कुरुक्षेत्र में कार्यशाला का आयोजन किया गया जिसमें डा. उमेश एस बालचंद्र खड्गेकर एन पी एम यू, ने मुख्य अतिथि के रूप में शिरकत की। कार्यशाला में एन पी एम यू, अधिकारी व कर्माचक, राजस्थान, उत्तर प्रदेश, महाराष्ट्र, गुजरात, मध्य प्रदेश व हरियाणा राज्य के नोडल अधिकारी, एम पी एम यू, व डॉ पी एम यू, एक्सपर्ट्स ने सहभागिता की।

सुप्रीडेंट इंजीनियर इरीगेशन डिपार्टमेंट व अटल भूजल नोडल अधिकारी हरियाणा प्रमोद जैन व सुप्रीडेंट इंजीनियर सरस्वती हेरिटेज सर्कल व रीजनल अधिकारी अटल भूजल अरविंद कौशिक ने संयुक्त रूप से कार्यशाला में आए हुए अतिथि गण व विशेष अतिथि गण का विधिवत रूप से स्वागत किया। इरीगेशन विभाग व अटल भूजल से एक्सन मनदीप ने मंच संचालन किया। डा. एच.एस. जाट प्रिंसिपल वैज्ञानिक एग्रोनॉमी सेंट्रल सोयल साइलेंसरी रिसर्च इंस्टीट्यूट करनाल ने धान को खेती को निश्चित तकनीकों के बारे में व धान की सुखी बुवाई बारे विस्तार पूर्वक बताया।

पालजभां अटल भूजल योजना अंतर्गत महिलाओंनी जगृति शिबिर योजय



महोदया। पालज भां अटल भूजल योजना अंतर्गत महिलाओंनी जगृतिना भागरूपे मिडिंग योजय छती. जेभां डीसेसरी महोदयाप्रधान प्रधुमनसिंह बावदा, अमरसिंह बावदा अने डाल्गाणीनेन चौधरी द्वारा पालीना कार्ययम उपयोग माटे माहिती अयाई छती. साथे साथे भेतीमां थता पालीना सोबी वधारे वपराशरी डेम ओछो करी राक्षय ते माटे टपक पद्धति, ओछा पालीने पादता पाकीनुं वावेतर, बास पद्धतिथी वर्मा इम्प्योउ, छवामुत जेवी पद्धतिओनी समज आपी छती.

अटल भूजल योजना

एक दिवसीय जिल्हास्तरीय प्रशिक्षण कार्यक्रमास प्रतिसाद



महोदया। एक दिवसीय जिल्हास्तरीय प्रशिक्षण कार्यक्रमास प्रतिसाद अटल भूजल योजना अंतर्गत महिलाओंनी जगृतिना भागरूपे मिडिंग योजय छती. जेभां डीसेसरी महोदयाप्रधान प्रधुमनसिंह बावदा, अमरसिंह बावदा अने डाल्गाणीनेन चौधरी द्वारा पालीना कार्ययम उपयोग माटे माहिती अयाई छती. साथे साथे भेतीमां थता पालीना सोबी वधारे वपराशरी डेम ओछो करी राक्षय ते माटे टपक पद्धति, ओछा पालीने पादता पाकीनुं वावेतर, बास पद्धतिथी वर्मा इम्प्योउ, छवामुत जेवी पद्धतिओनी समज आपी छती.

अटल भूजल योजना के वालंटियरस् को दिया गया वर्षा मापी यंत्रों का प्रशिक्षण

दैनिक भास्कर / नौगांव



मध्यप्रदेश जल अभियान वीरधर नौगांव के डाक विकासखण्ड मगर पर दो सेक्टरों में कार्य कर रहे वालंटियरस का प्रशिक्षण आयोजित किया गया। जिसमें वालंटियरस को वर्षा मापी यंत्र वाटर टेस्टिंग किट इंडिकेटर मीटर के प्रशिक्षण में इंडिकेटर मीटर एवं वाटर टेस्टिंग किट का प्रशिक्षण प्रदान किया गया इसमें DPMU के IEC एक्सपर्ट संदीप सोनी के द्वारा इंडिकेटर मीटर का प्रशिक्षण प्रदान किया गया वाटर टेस्टिंग किट का प्रशिक्षण भूजल विशेषज्ञ नरेश यादव के द्वारा दिया गया एवं वर्षा मापी यंत्र का प्रशिक्षण श्रीकांत मिश्रा के द्वारा प्रदान किया गया उक्त प्रशिक्षण में बड़गाँव एवं चुरवारी सेक्टर के समस्त वालंटियरस शामिल हुए एवं उससाह के साथ प्रशिक्षण प्राप्त किया प्रशिक्षण बड़ा गाँव पंचायत के पंचायत भवन में आयोजित किया गया कार्यक्रम के दौरान सेक्टर प्रभारी प्रमोद विश्वकर्मा, दिनेश श्रवाय, कृष्ण प्रताप सिंह सहित अन्य वालंटियर उपस्थित रहे।

नई तकनीक डिजिटल एलगाय वाटर लेवल मीटर के पानी को दूरे से आसानी आवाज

अब कुओं का जलस्तर फीते से नहीं, डिजिटल मीटर से मपेगा

ग्रामीण विकास विभाग के मू-जल विकास विभाग के द्वारा नई तकनीक डिजिटल एलगाय वाटर लेवल मीटर के पानी को दूरे से आसानी आवाज के माध्यम से जलस्तर की जांच करने में मदद करेगा।

विभाग को मिले 33 डिजिटल मीटर मिले

ग्रामीण विकास विभाग के द्वारा नई तकनीक डिजिटल एलगाय वाटर लेवल मीटर के पानी को दूरे से आसानी आवाज के माध्यम से जलस्तर की जांच करने में मदद करेगा।

गुवावली में मनाया गया सतर्कता जागरूकता सप्ताह



ने लोगों को संबोधित किया। अटल भूजल योजना, झौंसी के आईसी एक्सपर्ट मोहम्मद हेदर ने जल संरक्षण का संदेश दिया साथ ही डीआईपी सपोर्ट फॉर इम्यूलीमेंटेशन एंड रिसर्व से अटल भूजल योजना के प्रोग्राम मैनेजर इन्द्रसेन वर्मा ने ग्राम वासियों को जल संरक्षण व संवर्धन पर जागरूक कर डब्ल्यू एसपी व ग्राम वासियों को धृष्टि जल के निषादन व रेन वॉटर हार्वीस्टिंग को अपनाने पर जोर दिया, योजना का उद्देश्य, वाटर सिस्वीरिटी प्लान, कन्वर्जेंस आदि पर विस्तार से चर्चा की। मुलायम सिंह ने ग्राम वासियों को जल को घरोंहर के रूप में भणिय के लिए बचाने की सलाह दी। इस बीच पूर्व ग्राम प्रधान, बूजपुरी, सुरेश पुरी, रवीन्द्र पुरी, योगेन्द्र पुरी, श्रीमती प्रिका, जल प्रधान समिति के सदस्य सहित अन्य लोग उपस्थित रहे।

अडल भूजल योजना अंतर्गत महिलाओंनी जगृतिना भागरूपे मिडिंग योजय



महोदया। पालज भां अटल भूजल योजना अंतर्गत महिलाओंनी जगृतिना भागरूपे मिडिंग योजय छती. जेभां डीसेसरी महोदयाप्रधान प्रधुमनसिंह बावदा, अमरसिंह बावदा अने डाल्गाणीनेन चौधरी द्वारा पालीना कार्ययम उपयोग माटे माहिती अयाई छती. साथे साथे भेतीमां थता पालीना सोबी वधारे वपराशरी डेम ओछो करी राक्षय ते माटे टपक पद्धति, ओछा पालीने पादता पाकीनुं वावेतर, बास पद्धतिथी वर्मा इम्प्योउ, छवामुत जेवी पद्धतिओनी समज आपी छती.

“तीव्रता से गहरे हो रहे जल संकट से लड़ने के लिए,
हमारे पास एकजुट होने के अलावा कोई विकल्प नहीं है”

भारत रत्न अटल बिहारी वाजपेयी



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