### Secha Sahabhagita

PARTICIPATORY IRRIGATION MANAGEMENT

#### **FOREWORD**



Pani Panchayat Fortnight is being observed across the state from 1<sup>st</sup> to 15<sup>th</sup> February 2023 with the active participation of members of Pani Panchayats and members of the farming community. This is an opportunity to recognise the seminal contributions made by them in water management and augmentation of agricultural production.

From a modest 700 Water Users' Associations formed during 1995-2002 covering 3.32 lakh hectres, more than 37,000 Pani Panchayats have been formed in the state in the meantime covering 23.46 lakh hectres in the Major, Medium, Minor and Lift Irrigation Projects. Water management in our state has now been made more participatory and inclusive.

Pani Panchayat are being empowered through the Odisha Pani Panchayat Act, 2002 and Rules, 2003. I am glad that the process of formation of Pani Panchayts are a foot in the Mega Lift Irrigation Projects of our state. In keeping with the commitment of my Government towards participation of more and more women in the participatory water management process, I am glad that in the near future more women will be in the forefront of the Pani Panchayat management.

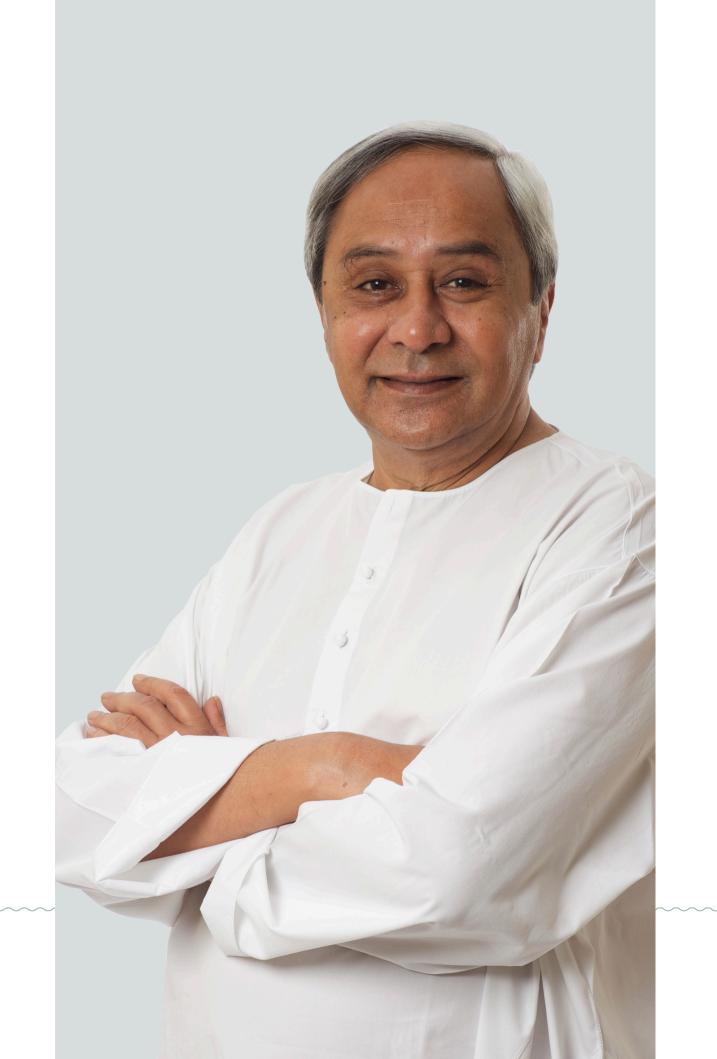
Nearly Rs 600 Cr has been allotted from the state funds for command area development from 2021-22 to 2023-24. e-CAD, a web based application has been introduced for realtime monitoring of the functioning of Pani Panchayats. Besides these, climate smart irrigation is being adopted through sustainable use of water. Capacity of stakeholders are being enhanced through their initiation to scientific water management and exposure to best practices. Our such efforts have been recognised at the national level.

While my Government is sincerely attempting to construct more and more irrigation structures in the state and cover more areas under irrigation, and, take legislative measures to strengthen Pani Panchayats, I call upon all members to join hands in ensuring judicious and equitable distribution of irrigation water among various users, promote a culture of conservation and reuse of water; diversify crops and increase crop intensity; adopt appropriate technology for efficient water use; bring in equitable water distribution; encourage women to take leadership in water management and amicable resolution of disputes in water sharing.

I am glad that this publication faithfully records the modest journey of Pani Panchayats in our state, and I commend the efforts of the department of Water Resources in strengthening Pani Panchayats and convey my best wishes to all the stakeholders in carrying forward this inclusive initiative.

NAVEEN PATNAIK

NAVEEN PATNAIK CHIEF MINISTER, ODISHA



#### MESSAGE



Smt. Tukuni Sahu Honourable Minister, Water Resources, Commerce & Transport Government of Odisha

As we celebrate and observe the annual Pani Panchayat Pakhya across Odisha, from the 1<sup>st</sup> to 15<sup>th</sup> of February, 2023, it is befitting to congratulate all our stakeholders, including water users and farmers. For twenty years now, the Pani Panchayat programme has grown from strength to strength, showcasing the power of participation and partnership and centre-staging women in water governance.

Following COVID-19, our Department has accelerated activation of Pani Panchayats under Major, Medium and Minor Irrigation Projects across the state. This will foster greater participation of the Pani Panchayats in participatory irrigation management. Besides, a host of initiatives have been taken up for effective monitoring of activities in the command area development front.

I am delighted that this commemorative book is being published to showcase significant achievements and to narrate the stories of Pani Panchayats. I take this opportunity to place on record my appreciation for the functionaries of the Department and congratulate them for their effort in bringing out this coffee table book.

I also convey my sincere thanks to all stakeholders for their overwhelming participation in the events and activities organised during this fortnight.

( Reyan: Jaho

(TUKUNI SAHU)

#### MESSAGE



Shri Suresh Chandra Mahapatra, IAS Chief Secretary & Chief Development Commissioner Government of Odisha

I am glad to know that the Department of Water Resources, Odisha is bringing out a Coffee Table Edition on the occasion of state level Pani Panchayat Pakhya-2023.

With the vision of providing timely and assured irrigation, focusing on equity, efficiency and social inclusion, Government of Odisha have envisioned Pani Panchayats as a successful model in water governance at the grass root level. They also play a crucial role in the agricultural growth of our state.

Formation of Pani Panchayats under the Mega Lift Projects and inclusion of spouses of water users as members will ensure gender mainstreaming and usher in equity. eCAD application for real time monitoring of Pani Panchayats will further help to track functioning of Pani Panchayats in real time.

I hope, the Coffee Table Edition will highlight the success stories and best practices for greater awareness among all concerned on the initiatives being taken at government level.

I convey my greetings to one and all associated with it and wish the Pani Panchayat pakhya all success.

(SURESH CHANDRA MAHAPATRA)

#### **MESSAGE**



Smt. Anu Garg, IAS Additional Chief Secretary Water Resources at Government of Odisha

Water Resources Department has been engaged in sustainable development and management of water resources in the state over the years. The 5T drive of the state offers further opportunities to set new goals like online grievances redressal; real time flood forecasting system; online tracking of water allocation to industrial and other commercial establishments, effective monitoring through ERP solutions; ground water mapping, water conservation; collaborating with knowledge partners etc.

In the Command Area Development (CAD) sector a number of reform measures have been taken keeping the tail end in mind. They are: legislative measures such as the amendment to the Pani Panchayat Act including the spouses of the water users as members and formation of Pani Panchayats under mega lift projects; IT Initiatives such as e-CAD for real time tracking of activities of Pani Panchayats; formation of more than 14,000 Pani Panchayats in recent past; adoption of technology such as use of under ground pipe lines; capacity building of Pani Panchayats and functionaries; exposure visits to progressive states etc.

I am delighted that this volume is being published during the Pani Panchayat Pakhya, 2023. The fortnight is being observed in the state during 1st -15th February, 2023 to acknowledge the importance of Pani Panchayats in water governance, participatory irrigation management and ensuring equity at the grassroot level.

I hope this Coffee Table Book will be appreciated by one and all, and that the Department will continue its tireless endeavour for the betterment of our people.

(ANU GARG)



### **RISE OF THE PANI PANCHAYATS**

They have ensured equitable supply of water and spurred cultivation in Odisha. More importantly, they have put an end to the water wars

By ROMITA DATTA

suma village in Cuttack district had for long witnessed frequent fights and even serious law and order issues over rights on the canal water ming from the Mahanadi river 15 km away. But not anymore. A sucessful 'pani panchayat' formed in 2000, comprising Usuma and nine other villages and their 420 hectares of cultivable land, has ensured that the 250 households in Usuma get their fair share of water. The pani panchayats of Odisha are farmer-led bodies engaged in water management and its equitable distribution at the local level. There are now 35,511 pani panchayats involved in getting irrigation water to the fields. Their main job is to ensure that not a single hectare

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of land under irrigation is 'water-deprived or water-denied'. "A farmer who loves his land will naturally want o see the farmlands of others taken care of. True, there have been major fights in the past, blood has been spilled over unequal distribution of water but it was all in the interests of the land," says Samiullah Khan, secre-tary of the Usuma Pani Panchayat.

Even though Odisha is a watergetting the water to the fields has been a huge task. Of the 6.1 million hectares of cultivable land in the state, 4.3 million hectares are irrigated with the help of canals, channels and other minor irrigation techniques. The rest of the land is rain-fed; the state averages annual rainfall of 1,400 mm. Launched almost two decades

ago, the pani panchavat concept has evolved through experience and the demands of the farmers. To begin with, they were given command of a minimum area of 40-100 hectares, going up to 500 hectares. For every

• The Crisis: Inequitable disto violence, law and order issues • The Solution: 'Pani pan-

prising farmers and locals to versee fair water distributi and operation, maintenance

10-40 hectares, there was a water outlet (a sort of water point, fed by the main canal through field channels) manned by a committee ('chak') which governs the distribution of water and operation, maintenance and desiltation of channels within its area Now the water resources department is looking to reduce the command area of the chak to one hectare for better management and to further decentralise the pani panchavat system. succeeded in minimising conflict

explanation paid off."

The need to reduce the command area of the chaks and empower the farmers on crop selection has arisen following the agriculture department demand for crop diversification and cash crops. Paddy requires a lot of water whereas groundnut, oilseeds minimum water resources, "Instead of pushing all farmers into paddy, if we'll be able to save a considerable amount of water. This is possible if the land parcel is small and there are fewer

LUSH GROWTH
Usuma's pani panchayat members
at a meeting; a farmer checks a
water supply channel in the village

and ensuring that not a single block

sions for penalties and fines for misu

ing the supply," says D.K. Samal, chief

Initially, getting the farmers to agree on sharing water was not easy. We had to impress upon them that if the water stagnated in their fields without flow-

ing to adjacent ones (through the feeder channels), it would endanger the crops,

do more harm than good. The scientific

35,511 Number of 'pani panchayats active in Odisha

"Even drought-prone Kalahand is cultivating two crops a year with the average yield up by 15 per cent, courtesy the 267 pani panchavats there. They ares in and around river Indravati," says Rajendra Besra, chief engineer of the Command Area Development. ■

stakeholders for managing water over

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# The Progressive Journey of Pani Panchyat in Odisha

- Participatory Irrigation Management (PIM) is a tool for improving irrigation management and ensuring sustainability is water use. Increasing demand of water in irrigation, necessitates it's efficient use. The State Water Policy, 2007, therefore, recognises participatory irrigation management as an essential strategy for improving the performance of all the irrigation projects. This is ensured by handholding Pani Panchayats in distribution of water and maintenance canals at the at the tertiary level of the canal systems and building their capacity.
- The objectives of PIM are to promote and secure equitable distribution of water among its users, adequate maintenance of irrigation system efficient and economical utilization of water to optimize agricultural production; to protect the environment and to ensure ecological balance, inculcating sense of ownership of the irrigation system in accordance with the water budget and the operational plan; to bridge the gap between irrigation potential created and utilized; to resolve issues and disputes related to water sharing and to foster collective involvement in better application and management of agricultural extension services.
- PIM was introduced in the state in 1995 on a pilot basis under the Odisha Water Resources Consolidation Project (OWRCP) under the banner of Farmers Organization and Turnover (FOT). Experiencing it's success, it was extended to all the commands of Major, Medium, Minor and Lift Irrigation Projects. Subsequently, in 2000, the Water Users Associations (WUAs) were renamed as Pani Panchayats. They are the fulcrum in implementing PIM.
- Pani Panchayats are farmers' organizations at the primary level, consisting of all water users, as constituted within a specific hydraulic boundary of a Major, Medium, Minor and Lift Irrigation Projects.
- They operate in four tiers under Major Irrigation (Chak Committee/Pani Panchayat/Distributary Committee/ Project Committee ); three tier under Medium and Minor Irrigation (Chak Committee/Pani Panchayat/ Project Committee ) and one tier in Lift Irrigation Projects (Pani Panchayat).
- There also a provision for a State Level Committee to lay down policies for implementation of the provisions of the Odisha Pani Panchayat Act,2002 and directions to any Farmers' Organisation, for exercising powers and performing functions in accordance with the Act.
- Initially Pani Panchayats were formed and registered under the societies Registration Act, 1860. Now, they are being formed by conducting elections as per the Act, 2002, 2008 and 2014 and the Odisha Pani Panchayat Rules, 2003. Steps are afoot for the formation of Pani Panchayats under the Mega Lift Irrigation Projects of the state. In keeping with the commitment of my Government towards greater participation of women I am happy that more women will be involved in the Pani Panchayats.
- With about 700 Water Users' Associations in 1995-2002, covering 3.32 lakh Ha to more than 37,000 Pani Panchayats covering 23.46 lakh Ha under the Major, Medium, Minor and Lift Irrigation Projects now, water governance has been made more participatory in the state.
- During this period, massive awareness campaigns have been done; capacity of the stakeholders built through trainings, workshops, exposure visits inside and outside the state at regular intervals.



In order to give more responsibilities to farmers through a democratic process and provide legal back up to these bodies, Pani Panchayat Act, 2002 and Rules, 2003 were enacted to provide statutory backing to Water Users Associations (WUAs) with necessary amendments in 2006, 2008 and 2014 respectively for better implementation and higher participation.

These enactments pave the path for farmers' participation in the management of irrigation systems through efficient and equitable supply and distribution of water, ensuring optimum utilization by farmers. The Act also provides for the elections of Pani Panchayats from the Chack Committee to the Project Committee, through direct voting in a democratic manner.

The provision of 33% reservation of women at the Chack level ensures mainstreaming of women.







Operation and maintenance of minor and sub-minor canals of Major and Medium Irrigation Projects are being done through Pani Panchayats.

Workshop on the Pani Panchayat Act and Rules.

With the recent amendment, women are being included in the participatory process ensuring inclusion and equity.







Preparatory Activities for Elections in Ranibeda MIP, Ghasipura, Keonjhar

Pani Panchayat Elections at Ambadali MIP, Mayurbhanj SYNERGISING STAKEHOLDERS

PIM is a tool for improving irrigation management along with sustainability of the system. It was introduced in the state during 1995 on a pilot basis in four projects under Odisha Water Resources Consolidation Project (OWRCP) under the banner of Farmers Organization & Turn over (FOT). Further, on experiencing its success at large, it was thereafter extended to all the commands of Major, Medium, Minor and Lift Irrigation Projects.





Channelisation of Water Till the Tail-end. Field Channels are being built under the Command Area Development and Water Management (CADWM) programme











Micro-plan for enhancing the capacity of the farmers to adapt to a changing climate; sustainable resource management under Rahanja MIP, Bhadrak block

7

Participatory Walk Through for Survey and Planning



Crop Diversity in Lift Irrigation Project

OPERATION & MAINTENANCE

Key to the process of reformation and its inclusive approach is handing over a part of the network of the canal system/irrigation system's operation and maintenance (O&M) to the farmers through Pani Panchayats or the Water User Associations (WUAs). Pani Panchayats thus take on full responsibility for operation and maintenance of the minor/sub-minor irrigation infrastructure and all related structures in the distribution system that have been handed over to them. These bodies are also responsible for ensuring construction, maintenance, and repair of all the water-courses, field channels, field drainage within the area covered under the agreement jurisdiction of their Water Users' Association. Pani Panchayats establish their own operation and maintenance fund (O & M Fund) to meet the operation and maintenance expenditure. The geographical extent of the programme covers the entire State comprising of about 16.00 lakh hectares of Major, Medium & Minor Irrigation Command Areas in all the 30 districts of Odisha



Water use efficiency focused on; farmers motivated to adopt sub-duration crop varieties during Kharif; and grow pulses and oilseeds leveraging residual moisture





Promoting Economic Use of Water



Pani Panchayat Taking up MGNREGS Works



Continual learning and awareness generation are addressed through training and capacity building programmes for Pani Panchayats, office bearers and departmental officials. These are mainly conducted by the Water and Land Management Institute (WALMI) for skill development of all stakeholders. Different aspects of Participatory Irrigation Management like Water Management, Climate Change, Pani Panchayat Office Management, Team Building, Conflict Resolution, Record Keeping, Disaster Management, Modern Techniques for Water Distribution, Crop Diversification, Rotational Irrigation, and the like are covered through interactive onsite programmes as well as state and national level workshops. Foundation training, Refresher Courses, and Training of Trainers (ToTs) on Participatory Irrigation Management are also conducted at regular intervals. Information, Education and Communication (IEC) activities facilitate upgrading and updating of awareness levels that support these interventions strengthening the Pani Panchayats.







Awareness Programme on Adoption of Scientific Fish Farming at Talakholaghai MIP, Ganjam

Capacity Building of Farmers on Seed Treatment, Acid Soil Management and Climate Resistant Seed Variety Under Sahada MIP, Bhadrak

Skill Development Training for Minor Repair of Lift Irrigation Points is Imparted to Pani Panchayats







National Level Training on Participatory Irrigation Management

Demonstration of Seed Treatment Using Fungicide

Cropping-plan in Water Management Subcommittee Meeting



domain experts brings new insight and application know-how to farmers and helps them to be forward looking and progressive. To this end, exposure visits to different projects within the state and at national level are organized for Pani Panchayat members to acquire first hand experience and knowledge of PIM activities, related best practices and emerging issues.













Exposure Vsit of WR Officials to Maharashtra

WR Officials Observing Drip Irrigation at WALMI, Dharwad, Karnataka









Pre-harvesting Field Visit on Varietal Practice in Balangir

Field Visit of WR
Officials to Dhenkanal

EQUITY & INCLUSION

leads to impact their desire to come out. Lack of participation produces weak leadership, but with the recent amendment, women are being included in the participatory process resulting impact on ensuring inclusion and equity. They are also encouraged to involve in integrated farming, in planning, management and distribution of water in Pani Panchayats.



Transforming the lives of Women Leading the Way in Ret Irrigation Project: Maa Manikeswari Pani Panchayat





Steering Planning, Management and Distribution of Water by Empowered Women Smallholders.

Unique distinction of being an all-women, spearheading empowered women group in water governance. Preparation of organic manure by them.







Gender Integration : Empowering and promoting the leadership of rural women



Addressing issues of drought, water scarcity, water conservation, reviving traditional water bodies and overall water management of village





High efficiency organic fertilizers used for improving the texture of the soil and water holding capacity

OUTREACH THROUGH CELEBRATIONS

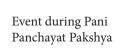
ms to uplift the deprived and develop leadership nong the stakeholders. Certain days are celebrated to eate mass awareness and mark the importance of some gnificant events.

## OBSERVATION OF PANI PANCHAYAT PAKHYA















Prize distribution to the winners competing in essay, debate and drawing.

#### ଆଜିଠୁ ପାଣି ପଞ୍ଚାୟତ ପକ୍ଷ

ଭୂବନେଶ୍ୱର,୩୧ ।୧(ନି.ପ୍ର): ରାଜ୍ୟ ଜଳସମ୍ପଦ ବିଭାଗ ପକ୍ଷରୁ ଫେବୃଆରୀ ୧ରୁ ∖ ଯୋଳନାଗୁଡିକର ଜଣ ୧୫ ତାରିଖ ପର୍ଯ୍ୟନ୍ତ ତିନୋଟି ଞ୍ଚରରେ ପାଣି ପଞ୍ଚାୟତ ପଷ ପାଳନ କରାଯିବା 🗎 ହାସଲ ନିମନ୍ତେ 🔻 ବିଭାଗ ତରଫରୁ ଏନେଇ ପ୍ରସ୍ତୁତି ଆରମ୍ଭ ହୋଇଛି । ଫେଡୁଆରୀ ୧ରେ ସମନ୍ତ 🗡 ସୋମଠାରୁ ଶୁଭାତ ତିଭିଳନପ୍ତରରେ, ୮ରେ ସମୟ ଜିଲା ଏବଂ ୧୫ରେ ରାଜ୍ୟସ୍ତରରେ ଏହି ପଷ ପାଳନ । ଅଧିକାରୀ ସ । କରାଯିବ । ପାଣି ପଞ୍ଚାଣତ ଜିଲିଭୂମି ସମ୍ପର୍କରେ ଲୋକଙ୍କୁ ସଚେତନ କରିବା ଲାଗି \ ପରିଦର୍ଶନରେ ପରିକ୍ରମା ରଥ କୁଲିବ । ଏହି କାର୍ଯ୍ୟକ୍ରମକୁ ସ୍ଥାନୀୟ ବିଧାୟକ ଏବଂ ମନ୍ତ୍ରାମାନେ ପତାକା ପ୍ରଶାସନିକ ଏ ଦେଖାଇ ଶ୍ରଭାରମ୍ଭ କରିବେ ।

ଆସନ୍ତ । ୧୯ ତିଭିଳନସ୍ଥରରେ ବିଦ୍ୟାଳସରେ ଛାତ୍ରଛାତ୍ରାଙ୍କୁ ନେଇ ବିବିଧ କାର୍ଯ୍ୟକ୍ରମ ବଲ୍କୁତା, ପ୍ରବଦ୍ଧ ଏକାଡେମା ଲିଖନ, ଚିତ୍ରାଙ୍କନ ଇତ୍ୟାଦି ପ୍ରତିଯୋଗିତ। କରାଯିବ । ପକ୍ଷ ପାଳନ ଅବସରରେ ପ୍ରବର୍ଶନୀ ଓ । (ଆଇଏସ ସମାବେଶମାନ ଆୟୋଜନ କରାଯାଇ ଲୋକଙ୍କୁ ସଚେତନ କରାଯିବ । ବନ୍ୟା ପ୍ରସ୍ତୁତି, ପାଶି । ଜୋସି ନି ପଞ୍ଚାଣତ ପକ୍ଷ ପାଳନ ଲୋଗୋ, ସ୍ଥୋଗାନ, ସଙ୍ଗୀତ ଓ ଶପଥପାଠ ଆଦି କାର୍ଯ୍ୟକ୍ରମ କରାଯିବ । 🔻 🙀 😽 ସେହିପରି ଜିଲାୟରରେ ଜଳ ପ୍ରଭାରୀ ଭାବେ ଜଳ ସମ୍ପଦ ବିଭାଗର ବରିଷ୍କ ଅଧିକାରୀଙ୍କୁ ନେଇ ହିମାଂଷ୍କ କାର୍ଯ୍ୟକ୍ରମ କରାଯିବ । ନିକଟରେ ୧୪୦୦୦ରୁ ଅଧିକ ପାଣି ପଞ୍ଚାଣତ ପୁନର୍ଗଠନ କରାଯାଇ । ନ୍ୟତାରା ଭୂ-ତଳ ପାଇପ୍ ଯୋଗେ ଜଳ ଯୋଗାଣ କାର୍ଯ୍ୟକୁ ତ୍ୱରୀନ୍ଦିତ କରାଯାଇଛି । ଜଳ ସମ୍ପଦ ବିଭାଗର ନିରନ୍ତର ବିକାଶ କାର୍ଯ୍ୟକୁ ୫-ଟି ଅଧୀନରେ ଡଦାରଖ କରାଯାଉଛି ।

ଗୋପବନ୍ଧୁ ପ୍ରଶା AROUND ODISHA

# Department of Water Resources is all set to observe PaniPanchayatPakhya from 1st to 15th February B h u b a n e s w a r (AOBurena):The Department of Water Resources, Odishus all set to observe Annual PanifhunchayatPakhya in the State during 1st-15th February. PaniPanchayats in the State during 1st-15th February orange of FaniPanchayats in the State during 1st-15th February. 2023 to acknowledge the fungerance of FaniPanchayats and to Covid. Various in water growmence, puticipos using integration unangement and enaring equity at the grassions the Valley and the Pashya will be observed at three levels in Commisciation, Scale Behavioural Chinge Communication (IEC) EBCC, activities through resources confirmed to the velocity of the Pashya will be observed at three levels in Commisciation, Scale Behavioural Chinge Communication (IEC) EBCC, activities through respectively; Raths carrying messages on importance of PaniPanchayats in recent content of the PaniPanchayats in

### ଆଜିଠୁ ପାଣି ପଞ୍ଚାୟତ ଆରମ୍ଭ

#### ନିତିଦିନ

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ପଳକ କରହିବ । ଏଥିଆହିଁ ବିଜଣ ନେଫରୁ ସମୟ ଫେକ୍ଲରଣ । ଜଣ ବଳ ଦେବ୍ୱରଣ । ଏଥି ପ୍ରତିଶେଷ ପରଣ ହୋଇଥି । ସେହିପରି ପ୍ରଥମ ଜଣ ହେଥି । ଜଣ ପରିବଳନ ହେନ୍ତର ୧୫ରେ ଜନ୍ୟରରେ ଏହିପରି ଏହିସର ଏହିସର ବିଜନ୍ମ ନିଲ୍ଲ ପର୍ଣ ଜନ ପ୍ରଜମ ଜନେ ନିର୍ଯ୍ଯନ ପସି ସଞ୍ଚରେତ୍ୱଳିକର ବୁରୁତ୍ୱର୍ଜି କ୍ରୀଙ୍କ, ସହରଣତା ପତ୍ତନ କରାଥିବ । ପଥି ସଞ୍ଚରତର କ୍ରମିକା ଜନ ଫଟନ ବିରରେ କରିଏ ଅଧିକରୀମନଙ୍କୁ ଏହି ଜନଦେନ ମଧ୍ୟନରେ କୁଉଟନ୍ ଜନ୍ମ ଜନ୍ମ ବର୍ଷ ଅଧିକରମନଙ୍କୁ ଏହି ଜନ୍ମ ପର୍ଜି ମଣ୍ଡି ଜନ୍ମ ପର୍ଜି ମଣ୍ଡି ଜନ୍ମ ପର୍ଜି ନଣିତ୍ୱ

ରପଳକ୍ଷରରେ ପୁଶାମୁକ ମାନ ବୃଦି ଆଦି ପରିକ୍ରମା କରିବ । କୋଲିକ୍ ପରିପ୍ରେଖୀରେ ଗଡ ଦିଆଯାଇଛି ।

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#### WR all set to observe Pani Panchayat Pakhya from Feb 1 to





Felicitation by Hon'ble Chief Minister During State Level Observation of Pani Panchayat Pakhya

#### MAHANADI UTSAV

Oath Taking, Awareness Campaign by the students with display of placards.

Folk Media Show on Occasion of Mahanadi Utshav.

Cultural Program on the Occasion of Mahanadi Utshav. Yachting Competition on the Occasion of Mahanadi Utshav.











# ମହାନଦୀ ଉତ୍ସବର ତୃତୀୟ ଦିନ ନାଟକ ଓ ମାନବ ଶୃଂଖଳ ଜରିଆରେ ସଚେତନତା





LIVELIHOODS

A need to prioritize the services, promote communication and effective delivery of agricultural produces will help close the gap and create huge employment opportunities for farmers. Sustainable utilization of available resources through diversified farming system enhance the livelihood options in climate resilient areas. Today, the worlds most important use of water is for agriculture, for the production of crops and raising livestock. Convergence with other Departments not only supplement funds but will also complement each other in a holistic manner.













Promoting High Yield Intensive Fish-farming in Small Area Fish Fingerlings Stocking in Purunapani MIP, Mayurbhanj.

Sabji Coolerer Used to Improve Shelf Life of the Fruits and Vegetables, Khaprakhol Block, Bolangir.

Climate Resilient Millet Cultivation in Badabandha Balarampur MIP, Hinjlikatu Block, Ganjam

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CLIMATE SMART AGRICULTURE

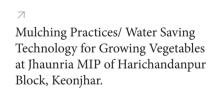
Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)" is tank-based project assisted by World Bank. The project aims at demonstrating climate smart agriculture in irrigation command of about 56,400 hectares of command area under 538 minor irrigation projects and about 70,000 Ha of rain-fed area under the influence area of these Minor Irrigation Projects for augmenting the capacity and income of the farmers in the project area.

The objective is to improve crop productivity through adoption of resilient agricultural practices and technology with efficient use of water.









Crop Diversification Practices as a Climate Smart Approach in Buguda Block of Ganjam.

Organic Paddy Grown in Kesinga Block, Kalahandi





BEST PRACTICES

he success of any agricultural transformation relies on ow well farmers/ smallholders can be helped to change rming practices as quickly and effectively as possible. Ustainable farming methods are practiced to improve the roductivity and skill.





Community Lift Irrigation Project in Village Ratanga, Kandhamal







\_\_\_\_\_

'Best Deep Bore Well Farmer' Developing a Mango Orchard in Kandhamal; awarded SKOCH.

7

Scientific Agricultural Practices and Crop Diversification

 $\supset$ 

950 Kg Ragi in 1 Acre of Land in Badabandha MIP, Ganjam. Scientific Agricultural Practices and Crop Diversification.

 $\rightarrow$ 

Vegetable Cultivation in Rabi Under JICA Project, Bhuban











Improved Kewda Faming in Ganjam District







Multiple Cash in Baghalati Command

 $\overline{\phantom{a}}$ 

Women Leading Innovations in Vegetable Cultivation in Rajabandha MIP of Udala Block, Mayurbhanj.

7

Community Onion Storage Facility in Ganjadharjore MIP, Bolangir

SOCIAL AND BEHAVIOR CHANGE COMMUNICATION

Aims to create awareness and disseminate information for promotion of water management among Water Users Association. It's a key to motivate behavior change among the stakeholders for collective management for better living conditions.

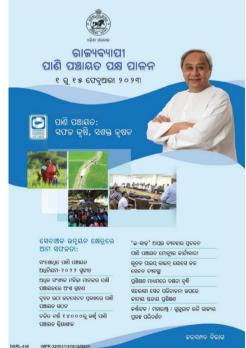


### ପାଣି ପଞ୍ଚାୟତ ପକ୍ଷ ପାଳନ ପରିପ୍ରେକ୍ଷୀରେ ଜିଲ୍ଲା ୟରୀୟ ବିଭିନ୍ନ ପ୍ରତିଯୋଗିତା



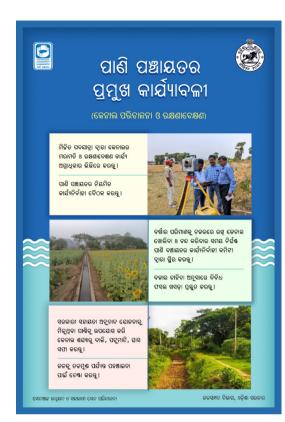






Pani Panchayat Rath flagged off by Shri Ranendra Pratap Swain, Hon'ble Minister, Agriculture & Farmers' Empowerment and Fisheries & ARD.

Planning & effective implementation through dissemination of information





- ବଳିଦ ବର୍ଷ ଫେବୃଆରୀ ୦୧ ନାରିଖରୁ ୧୫ ନାରିଖ ପର୍ଯ୍ୟକ ୧୫ ଦିନ ବ୍ୟାପୀ ସାରା ରାଜ୍ୟରେ ପାଣି ପଞ୍ଜାରତ ପଞ୍ଜ ପାଳନ କରିବାର ନିଞ୍ଜଳି ନିଆରାଇଅଛି । ଏହି ପ୍ରସ୍ତାଳନ ଅବସ୍ତରରେ କୃଷି ଏବଂ କୃଷ୍ଣକମାନଙ୍କୁ ରହାହିତ କରିବା ପାଇଁ ସରକାର ବିଭିନ୍ନ ପ୍ରକାର କାର୍ଯ୍ୟକ୍ରମନାନ ରଷ୍ଟଳତି ।
- ପାଣି ଅଞ୍ଚାଣତ ପଷ ପାତନର ଜଦ୍ୟପତମ ଜବତରେ କାର୍ଯ୍ୟଦବତା ଭିତିରେ ଦୃହତ, ମଧ୍ୟମ, ଗୁଟ୍ଡ ବଥା ଉଠାଜବସେତଳ ପ୍ରଜନ ଗୁଡିକର ଯୋଗ୍ୟ ବିଦେହିତ ପାଣି ପଞ୍ଚାଣତମାନଙ୍କୁ ରାଜ୍ୟ ଉରରେ ପୁରଷ୍ଟତ କରାଯାଇଛି ।
- ରାଜ୍ୟରେ ପାଣି ପଞ୍ଚାଣତ ବୁହିକର ବଡ଼ିକରଣ ନିମନ୍ତେ ସଜ୍ୟମନଙ୍କର ଦଖତା ବୃଦ୍ଧି, କୃତିର ଉତ୍କତି, ଜମିହାନ ରୋଜକର ଜୀବନ ଜୀବିଳା ବିଳାଶ ଓ ମହିଳା ସଉତ୍କିଳରଣ ହେଉଅଛି ।
   ପାଣି ପଞ୍ଚାଣତ କର୍ମିଳର୍ଭୀ ଓ ଅନ୍ତଶୀ ବାଷ୍ଟମନଙ୍କର ଦଶତା ବୃଦ୍ଧି
- ପଇଁ ଜଳ ଓ ଭୂମି ପରିଚାଳନା ପ୍ରତିଷାନ (ବାଲମୀ)ରେ ଚାଲିମ ଦିଆଯାଉଅଛି ।
- ପଶି ପଞ୍ଚାୟତ କର୍ମକର୍ଜୀ ତଥା ଅନ୍ତଶୀ ତାଞ୍ଚୀମନଙ୍କୁ ରାଜ୍ୟ ତାହାରକୁ ପରିଭ୍ରମଣ ତଥା ତାଳିମ କାର୍ଯ୍ୟାକ୍ରମରେ ପଠାଯାଉଅଛି ।
- ପାଣି ପଞ୍ଚାଣକ ଜଣରେ ପର୍ଯ୍ୟବେବିଜ "ପାଣି ପଞ୍ଚାଣକ ବମାଚାର," ପୋଷର କଥା ପ୍ରକାରପକୁ ମୁଖନମଣାଙ୍କ ବାର୍ଭା ଖଫଳ କଥା, ପାଣି ପଞ୍ଚାଣକ ଅଧ୍ୟନିସମ-୨୦୦୩ ଓ ନିସମାବଳୀ-୨୦୦୩ର ବାର୍ଜ୍ୟବଳରଣ ଆଦି ପୁଳାଚିତ ଜଣାପଣଜଣି ।
- ଚଳିତ ବର୍ଷ ପାଣି ପଞ୍ଚାୟତ ଗୁଡ଼ିକ୍ ଅଧିକ ଜିୟାଖୀତ, କୃଷିଭିଭିକ ସମସ୍ୟର ଉପସ୍ଥାପତୀ ଏବଂ ସମାଧାନ କରିବା ଇଞ୍ଚାରେ "ସେତ ସମାଧାନ ମେବାଇଲ ଆପ୍" କାର୍ଯ୍ୟଖମ।
- ଏଥି ସହିତ ତିଗତ ବର୍ଷ ଠାରୁ 5T ନାର୍ଯ୍ୟକ୍ରମ ମଧ୍ୟ କରାଯାଇଅଛି।
   ସମୟ ପାଣି ପଞ୍ଚାଣତର ତଥ୍ୟାବନୀ ଇ-କାତ ମୋବାଇଲ ଆସରେ

#### ପାଣି ପଞ୍ଚାୟତର ଦୀର୍ଘସ୍ଥାୟୀତ୍ୱ ପାଇଁ ବ୍ୟବସ୍ଥା

- ପାଣି ପଞ୍ଚାରତ ଅଧିନିରମ-୨୦୦୨ ଓ ନିରମାତକୀ-୨୦୦୩ ଜଥା ବିଜିନ୍ନ ଜୀଗରେ ସଂଗୋଧ୍ଚ ନିରମାତକୀ-୨୦୦୬ ଓ ସଂଗୋଧ୍ଚ ଅଧିନିରମ-୨୦୦୮, ୨୦୧୪ ମସିହାରେ ଓଡ଼ିଶା ଗେନେଙ୍ଗ ପ୍ରଳାଗିତୀ

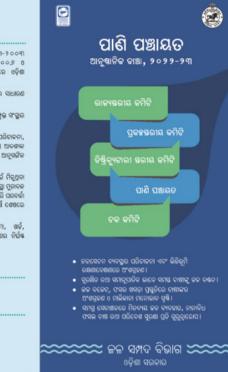
   ଅଧିନିରମ-୨୦୦୮, ୨୦୧୪ ମସିହାରେ ଓଡ଼ିଶା
  ଗେନେଙ୍ଗ ପ୍ରଳାଗିତୀ

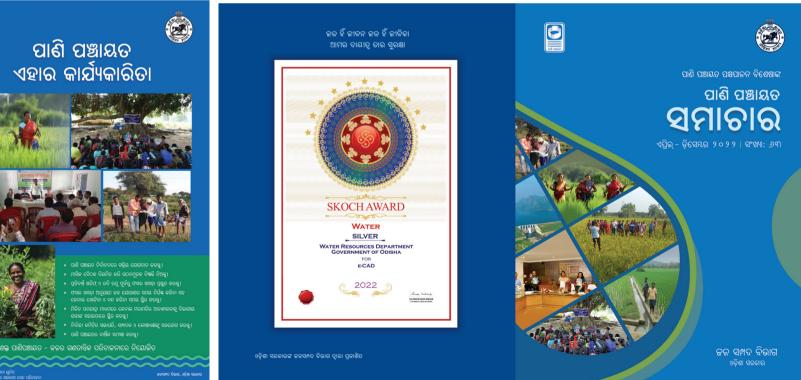
   ଅଧିନିରମ
- ଖରିଫ ଓ ରଚି ଉତ୍କ ପୂର୍ବରୁ ବର୍ଷକୁ ଅଚିକମ୍ବର ପୁଇଥର ସାଧାରଣ ସଭାର ବୈଦଳ ଚାଳିବୀ।
- ଗାଇଁମାରଣା ବରା କରି ଜନବେଚନ, କୃଷି ଚଥା କୃଷି ବମ୍ପୁର ଅଧିକାରୀମନଙ୍କ ବହିତ ମାବକୁ ଅନ୍ତଳ୍ପ ଥରେ କରାଇବା ।
- ଜକସେବନ ପୁଣାତୀୟ ମରାମତି, ଜଳବଙ୍କନ, ସମ୍ପଳ ପରିଚାନନା, କୃଷି ଲନାବି ଭାଇଁ ପାଇଁ ବର୍ଷ କମିନିମାନ ପଠନ କରିତା । ଅବଶ୍ୟକ ବେଳେ ବିବାଦ ସମଧାନ, ଫବଲ ବିକ୍ଲିବନୀ, କୃଷି କଥା ଆତ୍ୱସଣିକ କମିନିମାନ ସଠନ କରିବା ।
- କଳସେବନ ପୁଣାବୀର ପରିବାଜନା ଓ ଉଷଣବେଷଣ ପାଇଁ ମିକୁଥବା ବାଞ୍ଜିକ ଅନୁଦାନର ସୁଦିନିଯେଉ କରି ଦିବ୍ୟ ସମୟରେ ବ୍ୟବସ୍ଥା ମୁଜାବଳ ବିନିଯୋଗ ପ୍ରମାଶପତ୍ୱ (ୟ. ସି.) ନିର୍ବାହୀ ଯହାଙ୍କୁ ବଞ୍ଚଳ ଭରି ପରବର୍ତ୍ତୀ ବାଞ୍ଜିକ ଅନୁଦାନ ପାଇବୀ ପାଇଁ ହଳଦାର ହେବା ଏବଂ ବର୍ଷ ଶେଷରେ ଆଇବଂଶର ସମାଞ୍ଜ କରାଇବୀ।
- ସାମଳିକ ଶମାଷା ପାଇଁ ସଧାରଣ ବଭାରେ ଜମା, ଖଳଁ, ସମ୍ମାଦିକ ବାହ୍ୟ, ଫସଲ ଖବଡ଼ା, ଜଳସେବନ ଯୋଗାଣର ନିର୍ଘଣ ପ୍ରଭୂନି ବିଷୟରେ ଆଲୋବନା ଜଣିବା।

ଅଧିକ ଦିବରଣ ପାଇଁ ପୋଗଯୋଗ କରକୁ ଅନିଜିଲ ନାମନ, ଅନିଜ, ନନ୍ତମନ, ନିହାଣ, ଏହଂ, ନିହାନିକ୍ତ ଦେବାଞ୍ଚଳ କଳ୍ପଳ ଓ କଳାଳୀ କଳସନତ ପରିକାଳନା ରାଜାକ ଉଦନ, କୁଦନମ୍ବର-୭୫ ୧ ୦୦ ୧

ଜିନ୍ଦେଶକ ଜଳ ଓ ଲମି ପରିଚାଳନା ପ୍ରତିଷାନ (ଓଡ଼ିଶା)

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TECHNOLOGY

Fechnology has greatly shaped the agriculture, enabling more precise monitoring and management system which further aids in the effective resource utilization and changes the socio-economic status of the farmers.

# E-CAD: A 5T INITIATIVE

An application for monitoring in real time the command area development and participatory irrigation management activities in the state. Pani Panchayat, the first module is being implemented and the infrastructure getting added to it.

Status of their functionality, conduct of mandatory meetings, maintenance of records, availing trainings, formation of higher for such as distributory and project committee etc is being monitored in real time.

an end-to-end process flow based automated system for realtime monitoring of the abovementioned aspects through a dashboard. The relevant data on the Pani Panchayats, fed by the JEs/AEEs in the Mobile Application, will be accessible to the key higher functionaries of the Department.

Conferred Skotch Awards for digitization of existing manual procedures of Pani Panchayat.



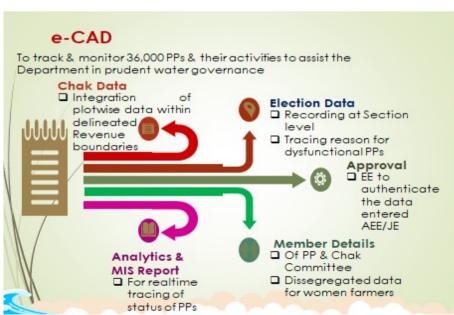


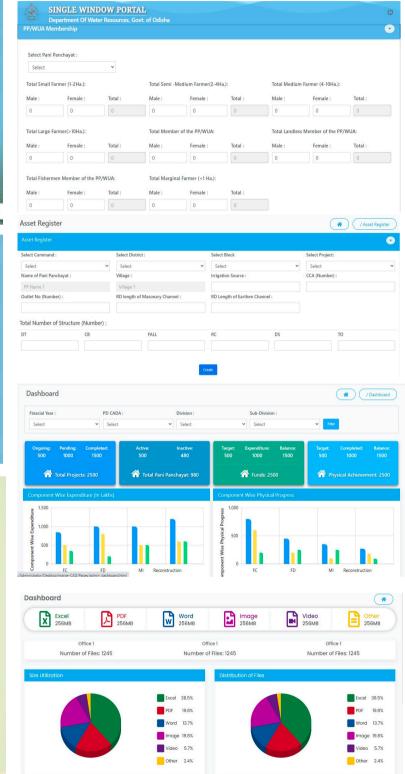


Smt Tukuni Sahu Hon'ble Minister, Water Resources Launched -CAD.











← Pani Panchayat Module

SKOCH Award for Successful Implementation of e-CAD

# UNDERGROUND PIPELINE-BASED IRRIGATION SYSTEM

Odisha Government has launched
Underground pipeline-based
Irrigation system in a big way
can help farmers to adopt drip
irrigation without pumping.

Launched in 2017, the pipelinebased irrigation system helps in the efficient use of water and crop diversification.





BEYOND ENGINEERING

# Collaboration on communication and policy initiatives

As an important 5T initiative, a Letter of Understanding (LoU) was signed with UNICEF on to collaborate on communication and policy initiatives of the department. The endeavor aims at engaging with the community on sustainable water management, prudent water use, equity in water distribution, water conservation, women as principal stakeholders in water governance and participatory irrigation management.







Laurels for Effective Participatory Irrigation Management - CBIP Awards, 2019

# **NEWS & MEDIA**



SMT. ANU GARG

IAS, Principal Secretary Department of Water Resources Government of Odisha

# MAKING ODISHA CLIMATE RESILIENT

If we have to single out one state which faces the brunt of extreme weather, it is Odisha. For years the state has been battered by cyclones, floods as well as droughts. So, how well is the department geared up for these crisis situations? AG: Odisha really bears a disproportionate burden of the wrath of natural forces: we see floods, cyclones.

even drought in the same year. So, Odisha's disaster mitigation preparedness is very meticulous. Regular patrolling of canal and river embankments is done to arrest piping & breaches during monsoons. We have flood forecasting mechanisms and reservoir operation schedules for flood moderation. Mock drills for reservoir gates and flood escape structures are done periodically. Climate resilient infrastructures like strengthening our long coastal embankments are constructed to prevent saline ingress. Uses of geo-synthetics in saline embankments have started to withstand such kind of frequent cyclonic surges.

Water conservation is a huge priority in the state. Even though Odisha does get 1400 mm of rainfall on an average, the numbers of rainy days have reduced in recent years due to climate change effects. We have adopted construction of barrages called In-stream Storage Structures well within the river embankments to conserve the post monsoon rainwater. More than 15,000 check dams have also been constructed in smaller streams mainly for water

conservation. Further, we have started an integrated project jointly with the Department of Agriculture & Farmers Empowerment and Fisheries, called OIIPCRA in 538 Minor Irrigation Tanks for climate resilient agriculture. Another project with the Green Climate Fund has been taken up in 10,000 tanks for installation of water recharge structures to replenish the local aquifer and groundwater table.

#### So, are you turning adversity into an opportunity with rainwater harvesting in these tanks?

AG: Absolutely, we are trying to conserve maximum rain water. And it's not just Water Resources Department. Housing & Urban Development Department did 10,000 water harvesting structures in parks and public places along with rooftop rainwater harvesting structures. All surveys and reports show that despite increase in groundwater usage, our groundwater recharge has improved and there are no over exploited or critically water stressed blocks in the state.



What about extending this same idea to a citizen centric approach? AG: In Odisha we have water user associations, the Pani Panchavats. The

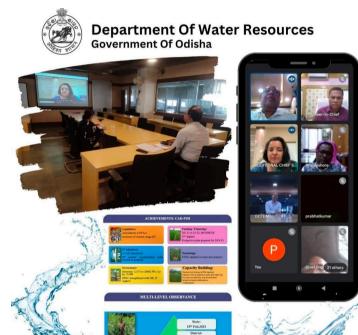
state has a very robust Pani Panchayat system with more than 34,000 user associations. We give them adequate training and some funds to do minor repairs, but it is for them to use it, manage all water and resolve various issues amicably. So, that is one way in which we kind of ensure citizens participation. We also have something called the

**OUTLOOK** Initiative

5-T Mantra; the five T's are using technology, teamwork, time, transparency and transformation. All payments, transactions, procurements and applications are processed online, digitally - especially for being transparent and efficient. Another citizen centric approach is "Mo Sarkar" where feedback of stake holders is randomly & periodically collected about the Department to ensure right

#### What's the bigger holistic vision for next 10 years?

AG: Solar pumping in a big way is taken up for lift irrigation system. Underground pipelines (UGPL) in canal systems are promoted to increase water conveyance efficiency. Steps are being taken in association with Agriculture & Farmers Empowerment Department to educate & encourage farmers to diversify to non-paddy



# ଜିଲ୍ଲାୟରୀୟ କୃଷି ଜଳବାୟୁ ଆଲୋଚନାଚକ୍ର



#### ■ ଆସିଳା ତା୧୯ (୧୨ (ପିଏନଏସ)

ଗଞ୍ଜାମ ଜିଲ୍ଲା ଆସିକା ବ୍ଲକ ବାବନପୁର ସ୍ଥିତ ଆସିକା କୃଷି ପଂସଲ, ଚିନାବାଦାମ ପ୍ରଭୂତି ସମୟ ପରିବର୍ତ୍ତନ ଅନୁଯାୟା ଶସ୍ୟ ସ୍ୱଚନା ଓ ପରାମର୍ଶ କେନ୍ଦ୍ରରେ ଓପିକା ପକ୍ଷର କୃଷି ଜଳବାୟ ଓ କାତୀୟ ଫସଲରେ ଉନ୍ନତି କରିପାରିବ ସେନେଇ ବିସ୍ତୁତ ଭାବେ କଳବାୟ ସହନଶୀଳ ଆଲୋଚନାଚିକ୍ ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଆଲୋଚନା କରାଯାଇଥିଲା । ଏହି କାର୍ଯ୍ୟକ୍ମରେ ଜିଲ୍ଲା ମୁଖ୍ୟ କାର୍ଯ୍ୟକ୍ରମରେ କୃଷି ଜିଲ୍ଲା ଅଧିକାରୀ ଦ୍ରର୍ଯ୍ୟୋଧନ ପତଙ୍ଗ ଅଧ୍ୟକ୍ଷତ। କୃଷି ଜିଲ୍ଲା ଅଧିକାରୀ ଦ୍ରର୍ଯ୍ୟୋଧନ ପତଙ୍ଗ, ନିର୍ବାହି ଯନ୍ତ୍ରୀ କ୍ଷଦ କରିଥିଲେ । ଏଥିରେ ଓଡିଶା ସମନ୍ତିତ ଜଳସେଚନ ପକଳ୍ପ ଜଳସେଚନ ଭଞ୍ଜାନଗର କିଶୋର ଚନ୍ଦ୍ର ପାଳ, ଆସିକା କୃଷି ଜିଲ୍ଲା ଏବଂ ଜଳବାୟୁ ସହନଶୀଳ କୃଷି କାର୍ଯ୍ୟକ୍ମରେ ଜଡିତ କ୍ଷୁଦ୍ ଅଧିକାରୀ ରାମଚନ୍ଦ୍ର ମିଶ୍ୱ, ଆସିକା ଗୋଷ୍ପା କୃଷି ଅଧିକାରୀ ବସନ୍ତ ଚ୍ଚଳସେଚନ, କର୍ଷି, ଉଦ୍ୟାନ କର୍ଷି ବିଭାଗ, ମସ୍ୟ ସମ୍ପଦ ବିଭାଗ, କମାରଦେ, ସ୍କିମଅଫିସର ପଶାନ୍ତ କମାର ନାଥ, ଗଞ୍ଜାମଚ୍ଚୋନ-୨ ମହିଳା ସଶକ୍ତିକରଣ ତଥା ଜୀବିକା ମିଶନକ ନେଇ କାର୍ଯ୍ୟକମ ଓପିକାଟିମଲିଡରକେଶବାନନ୍ଦ୍ର ପାଦ୍ର ପମଖଆଲୋଚନାଟକରେ ଆନୁଷାନିକ ଭାବେ ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଆଲୋଚନାଚକ୍ରେ ନିଜ ନିଜ ମନ୍ତବ୍ୟ ଦେଇଥିଲେ । କାର୍ଯ୍ୟକ୍ମରେ ଧରାକୋଟ ଓ ଜଳବାୟୁ ପରିବର୍ତ୍ତନ ଓ ଜଳବାୟୁ ସହନଶୀଳର ବିଭିନ୍ନ ଚାଷ ସୋରଡା ବୁକର ପ୍ରାୟ୧୬ କର୍ମଚାରୀ ଯୋଗ ଦେଇଥିଲେ ।

କୌଶଳ ଉପରେ ଆଲୋଚନା କରାଯାଇଥଲା । ଏହା ସହିତ ସରକାରୀ ଯୋଜନା କିପରି ଚାଷାଙ୍କ ନିକଟରେ ପହଞ୍ଚ ପାରିବ ଓ ଏସଏଚଳି ଗପ ହାରା କଷି ଯୋଜନା ସମ୍ପାଦନ କରାଯାଇ ପାରିବ ସେନେଇ ଗୁରୁଡ୍ରାରୋପ କରାଯାଇଥିଲା । କ୍ଷୁଦ୍ର ଜଳସେଚନ ବିଭାଗ ଅଧିନ ହ୍ରଦ ନିକଟରେ ଥିବା ଚାଷ ଜମି ଗଡିକରେ କିପରି ଜଳ ମଡା ଯାଇ ପାରିବ. ସରଳ ଉପାୟରେ ଚାଷୀ ନିଜ ନିଜ ଜମିରେ ରତୁ ଅନୁଯାୟା ବର୍ଷ ସାରା ରବି ଫସଲ, ଖରିଫ ଫସଲ, ଧାନ

Print Media Coverage of Introductory Workshop of OIIPCRA Stakeholders arranged by SOPMT-IRDMS, ZONE-2 on 18.12.2021

## ୍ତଜଳବାୟ ସହନଶୀଳତ। ସମ୍ପର୍କିତ କର୍ମଶାଳ।

# ଚାଷୀଙ୍କ ବିକାଶ ପାଇଁ ସଚେତନତା ଉପରେ ଗୁରୁତ୍ୱ

ଉଦ୍ରକ,୬।୧୧(ସପ୍ର): ଉଦ୍ରକ ଜିଲାର କ୍ଷୁଦ୍ର ଜଳସେଚନ ପ୍ରକଳ୍ପ ଅଧୀନରେ କୃଷି ଓ କୃଷକଙ୍କ ସମସ୍ତ କାର୍ଯ୍ୟର ଉନ୍ନତି ନିମନ୍ତେ ବିଶ ବ୍ୟାଙ୍କ ସହାଯତାରେ ଓଡ଼ିଶା ସରକାରଙ୍କ ଜଳ ମଖର ରିଭାଗ ଅନ କ୍ରମରେ ଉଦକ ଜିଲା କର୍ଚ୍ଚ ଳିଲାସରୀୟ ପଳନ୍ଧ ଉଦସାଟ୍ୟ



କରିଛନ୍ତି । ପ୍ରକଳ୍ପ ଅଧୀନରେ ବିଭିନ୍ନ ଜଳପ୍ରେଟନ ପକଳ୍ପର ୧୩୬୫ ବିଶେଷଙ୍କ ଭାଗାରଥ ତରେଇ ନିର୍ଦ୍ଦେଶକ ଜୁର୍ମିକା ମହାପ୍ରାତ, ସନ୍ତାନିତ ମହାନ୍ତି, ଶୁଭାକାଶ ନାଯକ ଉକ୍କ

ବେହେରା, ଗଣେଶ ବିରିଗଣିଅ ଯୋଗଦେଇଥିଲେ। ସେମାନେ ଉକ୍ତ ପ୍ରକଳ୍ପର ସଫଳତା ପାଇଁ ସ୍ଥାନୀଯ କାର୍ଯ୍ୟକମକ ଏଜିଆଇର ସହଯୋଗୀ ୍ରତ୍ମଶ୍ୱ ଓ ବ୍ୟବ୍ଦ । ଜାଣୀକ୍ରମ ଅନୁଷ୍ଠିତ ମୋଇଛି । ବିଜାଶ, ଜଳତାୟୁ ସିର ବୃଷ୍ଠି ପାଣି ଅଧୀନ ଚାଷା ଉପକୃତ ହୋଇପାରିତେ ଏହି କାର୍ଯ୍ୟକ୍ରମ ଉଦିଷ୍ଠ ବୋଲି ସଂସାଭ ବୃଷ୍ଠି ବିଶେଷଙ୍କ ରୂପେତ କାର୍ଯ୍ୟକ୍ରମରେ ସମନ୍ଦିତ ବିଜାରର ପଞ୍ଚାୟତ ପ୍ରତିଚାଳନା, ନିରକ୍ତର ତୋଲି କର୍ମଶାଳୀରେ କୁହାଯାଇଛି । କହିଛନ୍ତି। କର୍ମଶାଳୀରେ ଏହିଆଇର କୁମାର ନହାନ୍ତି, ମସ୍ୟ ଦିଶେଷଙ୍କ ସମସ୍ତ ଜିଲାସ୍ତରୀୟ ଅଧିକାରୀ ଉପସିତ କାରକ କାରିକା ମସ୍ୟ କସିର ନିକାଣ ଜିଲା ମସ୍ୟ କସି ଅଧିକାରୀ ଜଗନାଥ ଚକ ମଧ୍ୟ ମତିରେଡ ମତାମାନ ସାସତ ରେଶମୀ ନାଯକ, ପର୍ଶରାମ ସାହ 

ବ୍ଲକ କୃଷି ଅଧିକାରୀ ରମେଶ ଚନ୍ଦ୍ର

ରାଏ, ମୂର୍ତ୍ତିକା ସଂରକ୍ଷଣ ବିଭାଗ ସହକାରୀ ନିର୍ଦ୍ଦେଶକ ମୋହିତୋଷ ଦାସ, ଏସଡିଭିଓ ଗଶେଶ କୁମାର ଦେ,

ମସ୍ୟ ବିଭାଗ ଅଧିକାରୀ ଅଶୋକ ଇନ୍ଦ୍ରଥାର, ଯୁଦ୍ର ଜଳସେଚନ ବିଭାଗ

# ଜଳ ସମ୍ପଦ ବିଭାଗ ଓ ୟୁନିସେଫ ମଧ୍ୟରେ ବୁଝାମଣା



■ ଜୁବନେଶ୍ର ଡା ତାମଧା୧୯(ପିଏନଏସ) ବିଭାଗର ଯୋଗାଯୋଗ ଖା ଅପରାହୁରେ ଏକ ବୁଝାମଣା ପଶ୍ର ସାକ୍ଷରିତ ହୋଇଯାଇଛି । ୫-ବି

ସୁଦୃଢୀକରଣ ହେବ ା ସାଗରିତି ହୋଗଯାଉଁତି । ୫-ଟି ସୁସ୍ଟିଷ୍କ"ଷ୍ଟାବାରମିତ ହମ୍ମ । ସହୁପ ଦିଶାରର ଯୋଗଯୋଉଁ । ଅଧ୍ୟାବାରମାନଙ୍କୁ ନେଇ ନଳବେଳନ । ସହୁପ ଦିଶାରର ଯୋଗଯୋଉଁ ଓ ଅଧ୍ୟାବାରମାନଙ୍କୁ ନେଇ ନଳବେଳନ । ବିଜ୍ଞାର ହୁହି ଅଧ୍ୟାକ୍ତ । ପରିଚାଳା ଓଡ଼ିବା ଏହି ଉଦ୍ୟାବାର ପାଇଁ ଅଧୁକ । ପାଇଁ ସବସୋଗ ନଳତେ ଇଞ୍ଜାବ ଓଡ଼ିବା ଅଧ୍ୟାବ । ପାଇଁ ସବସୋଗ ଓଡ଼ିବା ଲଞ୍ଜାବ ହାଁ ଅଧୁକ । ପାଇଁ ସବସୋଗ ଓଡ଼ିକ ଆଧ୍ୟାବ ଓଡ଼ିକ । ଆଉର ପରିଚାଳାରେ ହୁମ ଅଧ୍ୟାବ । ପତ୍ର ସାରଣ ପରିଚାଳାରେ ହୁମ ଅଧ୍ୟାବ । ପାଇଁ ଅଧୁକ । ସାଉର ପରିଚାଳାରେ ହୁମ ଅଧ୍ୟାବ । ପାଇଁ ଅଧୁକ । ସାଉର ପରିଚାଳାରେ ହୁମ ଅଧ୍ୟାବ । ଆରେ ପରିଚାଳାରେ ହୁମ ଅଧ୍ୟାବ । ସାର୍ଚ୍ଚ ଅଧ୍ୟାବ । ଆରେ ଅଧୁକ । ସାର ଅଧ୍ୟାବ । ଆରେ ଅଧୁକ । ସାର ଅଧ୍ୟାବ । ଆରେ ଅଧୁକ । ସାର ଅଧ୍ୟାବ । ଅଧୁକ । ସାର ଅଧ୍ୟାବ । ଅଧୁକ । ସାର ଅଧୁକ । ସାର ଅଧ୍ୟାବ । ଅଧୁକ । ସାର ଅଧୁକ । ଅ ୍ । ତରର ଗୋଷୀମାନଙ୍କୁ ନୟୋଜତ । ଜନ ପରଚାତନୀ, ଜନ ସଂଶରଣ ଅଧିକାରୀନାଳେ ଉପସତ ଥିଲେ । ଜରିଏ ପ୍ରହାଣ ବହିଳା ଦେ ଓ ଓ ଜନ୍ଧ ପରିଷାଣ ବରିବା ନେଇ । ଜନ ସଂସଦ ଶିରାଣ ବେଟା କଳ । ଜନ ସଂସଦ ବିଧାର । ଜନ ପଦ୍ଧନ୍ତ ରହା ଜନ୍ଧ ବହାର କ୍ଷମତା ନିୟସ୍ତରଙ୍କୁ । ଜନ୍ଧ ଜନ୍ଧ ବହାର କ୍ଷମତା ନିୟସ୍ତରଙ୍କୁ । ସାଧାନତା, ଜନ ସଂସଦରଣ, ଜନ କ୍ଷମତା ବରୁଛନ୍ତି । ଗାଳ୍ପ ବଦ ପରିତାନା ନିର୍ଦ୍ଦେଶକ ରଣ୍ଡି ଜଂଜନ ପରିପ୍ରଦ୍ୱାଙ୍କ ବହାର ପ୍ରହାଣ କରିବା, ଜନ ଅଧିକ ସମ୍ପଳ୍କ ଧନ୍ୟବାଦ ଅସ୍ତିଶ ପ୍ରସ୍ଥ ଜାଭିବାରିବା କଥା ପ୍ରସ୍ଥ ଓ ଜ୍ୱ-ପରିବାଳନା ପ୍ରତିଷ୍ଠାନ(ସ୍ୱାଗ୍ୱ) କରିଥିଲେ ।

# କ୍ଷି ଜଳବାୟୁ ଓ ସହନଶୀଳ ଆଲୋଚନାଚକ୍

କିର୍ଗୟ ମିକ୍ଆ : ଆସିକା ପହଞ୍ଚି ପାରିବ ଓ ଏସଏଚରି ଗୁପ ଦ୍ୱାରା କୃଷି ଘୋଜନା ସମ୍ପାଦନ କରାଯାଇ ପାରିବ

ଭାବେ ଆଲୋଚନା କରାପାଇଥିଲା । ଏହି

ଜଳସେତନ, ବୃଷ୍ଠି, ଲଦ୍ୟାନ କୃଷି ଚନ୍ଦ୍ର ପାଳ, ଆସିକା କୃଷି ଜିଲ୍ଲା ଅଧିକାରୀ ବିଲ୍ଲାଗ, ମସ୍ୟା ସ୍ଥମତ ବିଲ୍ଲାଗ, ମହିଳା ରମତଦମିଶ, ଆସିକା ଗୋଷା କ୍ଷିଅଧିକାରୀ ବଳାଣ, ମଧ୍ୟ ପମ୍ପଦ ବାହା ବ୍ୟବର ମଧ୍ୟର । ଜଣକ୍ରମଣ ଅଧ୍ୟରଣ ସହର ଅଧିକ । ବଣକିତ୍ରଣ ଅଧ୍ୟ ଜନିତା ନିଶନ୍ତ୍ର କରକ । ବଦର ବୃମ୍ବର ବଡ଼ ହିଣ୍ଡ ଅଧିକର ପ୍ରଶାକ ବଣକ୍ରମ ଆକୁଖାଳିକ ଭାବେ ଅନୁଷ୍ଠିକ । ବହାର ମଧ୍ୟ ଉଷଣ ସଭାନ - ଓଡ଼ିଆ ଅ ସହାଇଥିଲା । ଏହି ଆଲୋଚନା ତତ୍ରରେ । ଜିନ୍ଦରକ୍ରମନତ ପାରୁ ପ୍ରଥି ଆଲୋଚନା ଜନଦାଣ, ପରିବର୍ଦନ ଓ ଜନଦାଣ୍ଡ ବ୍ୟତ୍ତର ପ୍ରକ୍ୟ ସମୟରେ ନିଜ ନିଜ ସହନଶୀଳର ବିଜିନ୍ନ ଚାଷ କୌଶକ ଉପରେ ମନବ୍ୟର କରିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଆଲୋଚନା କରାଯାଇଥିଲା । ଏହା ସହିତ ଧରାକୋଟ ଓ ସୋରକା ବ୍ଳର ପାୟ ୧୬



Senior officers of the department in Doordarshan Talk Show themed 'Role of Pani Panchyat in Sustainable use of Water' Senior officers of the department in All India Radio Talk Show themed 'Role of Pani Panchyat in Sustainable use of Water'







Officers of the department in Doordarshan Talk Show themed 'Role of Pani Panchyat in Optimal use of water in Infractructure' and 'Role of Pani Panchyat in Water Governance'

