

# *e-Sanchar*



MONTHLY  
NEWSLETTER  
**May 2022**

# WAPCOS PARTICIPATION IN GOVERNMENT OF INDIA SCHEMES

## VISION

“A Global Leader in Consultancy and Engineering, Procurement & Construction (EPC) providing Integrated & Customized Solutions for Sustainable Development of Water, Power and Infrastructure Projects”

## MISSION

“Sustained Profitable Growth, Excellence in Performance, Use of State-of-the-art Technical Expertise, Innovativeness and Capacity Building to Meet Society’s Needs Globally”



### Smart City

- Guwahati, Assam
- Shimla, Himachal Pradesh
- New Delhi
- Kohima, Nagaland
- Aizawl, Mizoram
- Thoothukudi, Tamil Nadu



### Atal Mission for Rejuvenation and Urban Transformation

- Madhya Pradesh
- Bihar
- Rajasthan
- Haryana
- Meghalaya
- Uttar Pradesh
- Odisha
- Andhra Pradesh
- Telangana
- Kerala



### Pradhan Mantri Awas Yojana

- Gujarat
- Uttar Pradesh
- Rajasthan
- Uttarakhand
- Chhattisgarh
- Jharkhand



### Deen Dayal Upadhyaya Gram Jyoti Yojana

- Uttar Pradesh
- Assam
- Tripura
- Karnataka
- West Bengal
- Tamil Nadu
- Jharkhand
- Himachal Pradesh
- Haryana
- Maharashtra
- Bihar
- Rajasthan
- Sikkim
- Kerala
- Nagaland
- Manipur



### Integrated Power Development Scheme

- Himachal Pradesh
- Jammu & Kashmir
- New Delhi & Goa
- Nagaland
- Sikkim
- Tamil Nadu
- Andhra Pradesh
- Telangana
- Maharashtra
- Chhattisgarh
- Odisha
- Uttar Pradesh



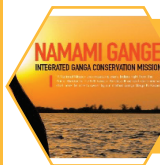
### Pradhan Mantri Gram Sadak Yojana

- Gujarat
- Assam
- Jharkhand
- Goa
- Uttarakhand
- Madhya Pradesh



### Pradhan Mantri Krishi Sinchayee Yojana

- Setting up of PMU at Ministry of Jal Shakti, DoWR, RD & GR



### Namami Gange, Integrated Ganga Conservation Mission

- Uttarakhand
- Uttar Pradesh



### Jal Jeevan Mission

- National PMU at Ministry of Jal Shakti
- Himachal Pradesh
- Rajasthan
- Madhya Pradesh
- Assam
- Punjab
- Maharashtra
- Andhra Pradesh



## MESSAGE



**Mr. R.K. Agrawal,**  
CMD WAPCOS & NPCC

**Dear Readers,**

As the emerging economies across the globe continue to struggle with rising global inflation, interest rates and the changing dynamics of geopolitics due to Russia-Ukraine war, India finds itself in a challenging situation. Our economy is steadily recovering from the economic shock of 2020, when the GDP slumped to – 6.6% due to the restrictions induced in view of the Covid-19 outbreak. Today India's growth projections stand at 8% led by capital spending on large infrastructure projects by the Government.

Turning the pandemic into an opportunity for growth, our Government is focusing on expediting the implementation of infrastructure projects through the PM GatiShakti mission. As an important cog in the machinery of Jal Shakti Ministry, we at WAPCOS are committed to the vision of PM GatiShakti mission and would do our best to ensure proper implementation of plans and time-bound project completion. Our newsletter of this month highlights details about projects that we have undertaken such as the Tamil Nadu Irrigated Agriculture Modernization Project (TN IAM) supported by the World Bank and the development of Irrigation and Watershed management in Rwanda among others. We have also presented some glimpses from our contract signing ceremonies, meetings regarding international operations and inauguration events of our projects. This includes the life service extension of the Hwange Power Station in Zimbabwe and the extension of WAPCOS' project consulting services in Fiji.

We will keep you abreast with all the latest news pertaining to WAPCOS through our newsletter in the future as well. I, personally, wish to thank my colleagues at WAPCOS who have been working tirelessly for the achievement of our objectives.



## PROJECT UPDATE:

### Construction of 672 Housing Units for Economically Weaker Sections in Ahmedabad, Gujarat

Shri Amit Shah, Union Minister for Home Affairs and Ministry of Cooperation, Government of India inaugurated 672 housing units (G+7) for Economically Weaker Sections (EWS) in Gota and Theltej area in Ahmedabad on 26.04.2022 under Pradhan Mantri

Awas Yojana (PMAY). WAPCOS has been an integral part of this project, providing Project Management Consultancy services for the development of housing units totaling 18,816 sq.mt.





## THE MONTH AT A GLANCE:

International Day of Yoga Countdown with Yoga Lecture and Demonstration at National Media Centre, New Delhi



Mr. R.K.Agrawal, CMD WAPCOS & NPCC delivered Welcome address during Event of "Yoga Lecture & Demonstration" at New Delhi as 54th day to countdown to International Day of Yoga-2022.

Smt. Vini Mahajan, Secretary, Department of Drinking Water & Sanitation, Ministry of Jal Shakti addressed the audience including officials from Ministry of Jal Shakti, WAPCOS & NPCC. Smt. Debashree Mukherjee, Additional Secretary, Department of WR, RD & GR, Ministry of Jal Shakti was also present. Lecture and Demonstration on Yoga was given by Acharya Pratyush ji and team.



## THE MONTH AT A GLANCE:

### Site visit to Smart City Limited Water Front Development Project at Kopari, Thane

S hri Eknath Shinde, Hon'ble Cabinet Minister of Urban Development & Public Works, Govt. of Maharashtra and Dr. Vipin Sharma, IAS, Commissioner, Thane Municipal Corporation visited Kopri, Thane Waterfront Development project site on 5th April, 2022 and expressed their appreciation for the work carried out by WAPCOS. Mr. Rajesh Laddha, Project Manager, WAPCOS-Thane, along with officers of TMC (Thane Smart City Limited) felicitated Hon'ble Minister during his visit. Mr. Rajesh Laddha, Project Manager & Mr. Dishank Gada (Engineer-Civil) and Mr. Shrikant Gattani (Engineer-Civil), WAPCOS explained to the Hon'ble Minister the feasibility of different structures that can be constructed for the access of public to the Jetty near the creek.

Hon'ble Minister said that the project has completely changed the look of Kopri Visarjan area & he has got many reviews from the local public that they have liked the facility provided. Thane Waterfront Development project is under Thane Smart City Limited, wherein WAPCOS is in the role of PMC for proof checking of design and for the supervision of works. There are eight locations under waterfront development along the Thane creek (Asia's largest creek) each within the distance of approx. 5 km to each other. The major highlight of this project is Beautification, Landscaping, Retaining wall (Gabion), Amphitheatre, Elevated walkway, Ghat Development, etc. The soil conditions of the project are very challenging considering the fact that the ground strata is majorly consisting of marine clay as it is near to the creek.



Site Visit of Hon'ble Minister



## THE MONTH AT A GLANCE:

### Signing Ceremony of the Provision of Project Management Consultancy Services for Hwange Life Extension Project and Deka Extension Project, Zimbabwe

On 11th April 2022, a contract signing ceremony between Zimbabwe Power Company (ZPC) & WAPCOS Ltd. was held at Zimbabwe Power Company ZPC Head office in Harare.

Mr. Sanjay Gupta, Project Manager, WAPCOS, and Mr. Kenneth Maswera, Managing Director, ZPC exchanged the signed copies.

This project is very crucial for Zimbabwe, as Hwange Power Station (920MW) has outlived its designed life of 25 Years. The plant has already operated for more than 32 years and output is down to 400-450MW. The project will augment the generation to 880MW and life will be extended for next 15-20 years.

There are frequent outages leading to low generation, reduced efficiency leading to higher cost of energy produced and environmental problems. As such, the units urgently need the implementation of life extension program. WAPCOS will update the DPR. The major equipments to be replaced are boiler tubes, condenser tubes, valves, heaters, ID fan impellers etc. Following benefits will be achieved after the life extension:



- 1) The life of the units will increase by 15-20 years. The units will operate at optimum level. There will be a tremendous increase in the generation from the station.
- 2) The units will operate at the stable output near the design load of the units.
- 3) The efficiency of the units will increase resulting in the reduction of the cost of generation.
- 4) Project will boost local economy and will provide direct and indirect job opportunities.
- 5) It will further enhance the bilateral relations of India and Zimbabwe.

## PROJECT UPDATE:

### Tamil Nadu Irrigated Agriculture Modernization (IAM) Project

A team representing the World Bank visited sites being developed by WAPCOS under the Tamil Nadu Irrigated Agriculture Modernisation (TN IAM) Project to inspect development works from 18.04.2022 to 20.04.2022. The team inspected works that are being executed with financial assistance from the bank in Madurai region, Tiruchi and Ariyalur districts.

Under this project, 31 irrigation tanks and 29 anicuts in Tiruchi district and 19 tanks in Ariyalur district are being renovated by WAPCOS. The team also inspected some refurbished irrigation tanks such as Kandiratheertham tank in Ariyalur district and Singalanthapuram tank near Thuraiyur in Tiruchi district. The Kandiratheertham tank is said to be constructed about 1,000 years ago during the reign of King Raja Raja Chola. The Singalanthapuram tank and the Thiruthalaiyur anicut in Tiruchi district were also renovated. Here are some pictures from the team's visit:

The Tamil Nadu Irrigated Agriculture Modernization Project (TN IAM) supported by World Bank is a

follow up project of IAMWARM (Irrigated Agriculture Modernization and Water-Bodies Restoration and Management) Project. IAMWARM has made significant development impacts in the state by modernizing irrigation infrastructure, improving water use efficiency, enhancing yields and productivity of agriculture through climate resilient production systems. It has accelerated diversification towards high value crops whilst strengthening institutional reforms through Participatory Irrigation Management (PIM) and Water Users Association (WUA). The TN IAM Project will bring the policy and institutional development achieved under IAMWARM project to a new level and will serve as the key vehicle for implementing the state government's agenda of enhancing water and agriculture productivity in a sub-basin framework.

This project will also rehabilitate and high-priority tank irrigation systems in 66 sub-basins of the state, which were not part of IAMWARM.

#### MADURAI REGION

##### Upper Sub Basin Package No.1 – Kunnathur Distributory



Lining of Kunnathur Distributory

##### Upper Sub Basin Package No.1 – Thirukanai Tank



WAPCOS Quality Control Mobile Laboratory at Thirukanai Tank



## TRICHY REGION

**Ayyar Sub Basin Package No.2-  
Singalandapuram Tank**



**NandhiyarKulayar Sub Basin Package No.2  
Kandiratheertham Tank**



**Lower Coleroon Sub Basin Package No.1-  
Veeranam Tank**



**Lower Coleroon Sub Basin Package No.1-  
Andipalayam Regulator**



Verifying the spacing of  
rod and effective cover  
using Cover Meter





## THE MONTH AT A GLANCE:

Site Visit to Karnataka Housing Board (KBH) site to review progress of layout formation works under Pradhan Mantri Township scheme, at Anekal Taluk, Bengaluru



*Road Formation Work at Block 8*



*Road Formation Work at Block 10*



*Site Levelling & Road Formation works at Block 12*



*Site Levelling works at Block 4*



*Road Formation Work at Block 3*



Site Inspection for  
 Progress Review by  
 Housing Commissioner,  
 Chief Engineer, Executive  
 Engineer, KHB, WAPCOS  
 Team, Architecture  
 & Engineering Firm  
 officials & Contractors  
 officials



Playground Levelling works at Block 8



Road Formation Work at Block 10



Park Development work at Block 10



Hard Rock Cutting for Road works at Block 8



GLSR excavation work at Block 11



Construction of Retaining Wall under progress at Block 12

## PROJECT UPDATE:

### Development of Irrigation and Watershed Management in Mahama Sector, Kirehe District (Rwanda)

WAPCOS is the Project Management Consultant for Export Targeted Modern Irrigated Agricultural Projects in Rwanda, an integrated program aimed at transforming subsistence-based agriculture in the Eastern Province of draught prone Rwanda to export-oriented agriculture in line with the strategic vision of the Government of Rwanda.

This USD 120.05 million program is funded by EXIM Bank of India under the Government of India supported Line of Credit Scheme to Rwanda.

Through this program, WAPCOS aims to provide irrigation to a Gross Command Area of 1752

Hectares and 2669 Hectares and a Cultivable Command Area of 1220 Hectares and 1956 Hectares for Lot 1 and Lot 2 respectively with the use of mechanized state of the art irrigation systems such as center pivots, sprinklers and pipe hydrants.

As Rwanda has a hilly terrain, WAPCOS strategically designed and included Dry Stone Masonry Structures, Cement Stone Masonry Structures, Crate Wire Structure, Silt Detention Structures, Bench Terraces, Contour Bunds, Agroforestry and Horticulture around the command area for an effective Watershed Management.



#### Salient Features of Lot-1:

Cultivable Command Area: 1220 Ha

Gross Command Area: 1752 Ha

Site Establishment: 4 No. 3 BHK Houses, 4 No. 2 BHK Houses, 2 No. 1 BHK Houses, QC Lab, Site Offices, Warehouse & Workshops

Intake (Headworks): Intake Suction Pipes, Pump House 1 (7No. 45 HP capacity), Sedimentation Tank, Pump House 2 (7 No. 375 Hp capacity), Reservoir (5679 cum capacity)

Command Area: 14 Center Pivots (464Ha), Piped Flow Systems (289 Ha), Sprinklers (467 Ha).

Watershed Management: Dry Stone Masonry Structures (63 Nos.), Cement Stone Masonry Structures (18 Nos.), Crate Wire Structure (40 Nos.), Silt Detention Structures (2 Nos.), Bench Terraces (135Ha), Contour Bunds (155 ha), Agroforestry (485 ha), Horticulture (313 ha)

Capacity Building

#### Salient Features of Lot-2:

Cultivable Command Area: 1956 Ha

Gross Command Area: 2669 Ha

Site Establishment: 4 No. 3 BHK Houses, 4 No. 2 BHK Houses, 2 No. 1 BHK Houses, QC Lab, Site Offices, Warehouse & Workshops

Intake (Headworks): Intake Suction Pipes, Pump House 1 (9No. 45 HP capacity), Sedimentation Tank, Pump House 2 (7 No. 395 Hp capacity), Reservoir (5047.50 cum capacity)

Command Area: 20 Center Pivots (927 Ha), Sprinklers (587.5Ha) and Mahama dam area 441 Ha

Capacity Building



## PROJECT UPDATE

### Multi-purpose Indoor Hall at Hinjilicut, Odisha

Sports is a way of life for the citizens of Odisha therefore Government of Odisha has been continuously moving in the direction to take Sports to new a height in the State. Odisha hosted the 2018 Hockey World Cup, as with the success of 2014 Champions Trophy, Odisha grabbed the focus of International Sports. This encouraged the Government to make Odisha a sports hub and propelled the development of sports infrastructure in the State.

Multipurpose Indoor Hall (MPH) in Hinjilicut has been Designed and Constructed by the WAPCOS for Department of Sports & Youth Services, Govt. of Odisha.

Spread over 1.3 acre of land with a seating capacity of 300, it has some magnificent facilities for Yoga, Gym, Fitness Room and Physiotherapy besides 4 nos. of playing courts for Badminton, 1 court for Volleyball and 1 court for Basketball.

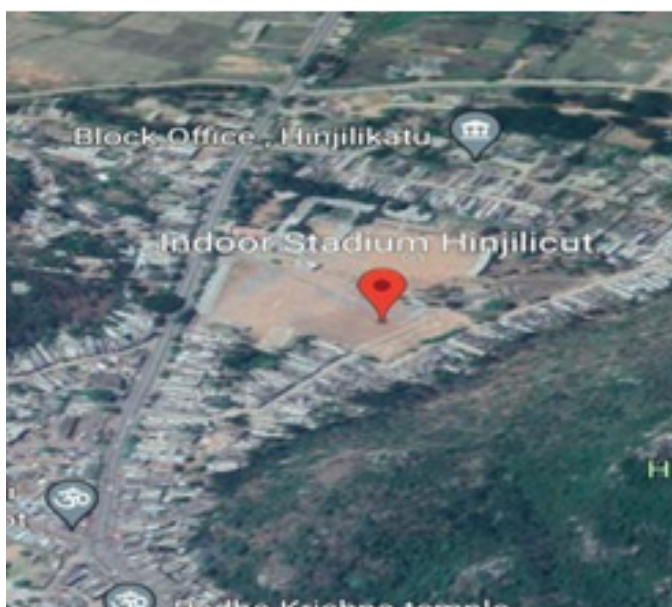
MPH is powered with solar energy making it energy efficient. The Pre- Engineered Building technique is used in building construction. The building is designed in such a manner that it attracts the local youth to prepare themselves for national and international competitions.



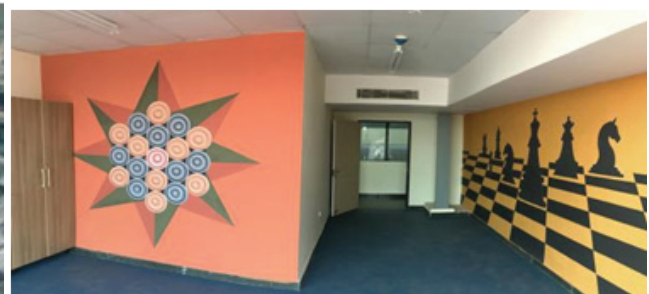
#### Project Details:

Multipurpose Hall for different playing activities such as 4 nos. of Playing courts for Badminton, 1 court for volleyball and 1 court for Basketball spreading over 1.3 acres of land.

**Seating Capacity: 300 Persons**



Location Map



Inside View



Outside View

## PROJECT UPDATE

### Pro-Poor Tourism Development Project, Uttar Pradesh

World Bank aided Uttar Pradesh Pro-Poor Tourism Development Project is an innovative project. In this project at two major destinations i.e., Agra and Braj region of the Uttar Pradesh, project for poverty eradication and employment creation will be operated through Tourism Development related activities. Under this project, along with creation and development of basic tourist facilities at monuments/sites of selected areas, several activities are also proposed for the economic/social level development of society and employment creation.

The Design & Supervision Consultancy works for the project was entrusted to WAPCOS by the Directorate of Tourism, Government of Uttar Pradesh.



Visitor Facilities & Parking at Kachhpura, Agra



Signages for Places of Interest at Exit of Shahjahan Park, Agra



Mainpathway at Shahjahan Park, Agra



Visitor Facilities & Parking at Daruk, Vrindavan

#### Project Details:

- Revitalization of Kachhpura and MehtabBagh Area, Agra
- Revitalization of Shah Jahan Park Walkway between Taj Mahal and Agra Fort, Agra
- Rehabilitation of Banke Bihari Temple Area, Vrindavan

#### Project Components:

- MehtabBagh Visitor Parking Facilities
- Approach Road and Side Walk to MehtabBagh
- Paving of Pedestrian Access to Kachhpura through Fields
- Rehabilitation of 4 Community Chowks
- Basic Services, Sanitation, Drainage and SWM
- Traffic Calming of Amar Singh, JalkaariBai, PuranaMandi Junctions
- Development of Pedestrian and Perimeter Pathways Development of Natural Play, Lake, Forest and Meadows Loops Redevelopment of Kalideh Parking
- Redevelopment of Daruk Parking
- Treatment of Streets and Drains
- Development of Community Open Green Area
- Improvement of Streets - Signage

#### Project Duration:

40 months

#### Status of Project :

Completed



## PROJECT UPDATE:

### Construction of various type of Infrastructures for Himachal Pradesh Police Department

WAPCOS has been entrusted with construction of various infrastructures pertaining to Himachal Pradesh Police Department by the Director General of Police, Himachal Pradesh. WAPCOS is constructing various type of infrastructures e.g. Office Complexes, Staff Quarters, Sports Complexes, Auditorium & Multipurpose Hall, Police Station & Barracks. Several other structures are under administrative approval and expenditure sanctions. WAPCOS is constructing the largest SP Office of Himachal Pradesh Police at Mandi and World Class Multipurpose Hall at Pandoh.

In April 2022, The Director General of Police Mr. Sanjay Kundu, the Deputy Inspector General of Central Zone Mandi Mr. Madhusudan, Superintendent of Police for Mandi, Ms. Shalini Agnihotri along with other officials from Himachal Pradesh Police visited the sites of ongoing constructions works. Engineers from WAPCOS briefed them about Project Progress, Modern Technical Aspects, and Quality Control of ongoing construction works. The Director General along with his team commended the quality of works which is being carried out by WAPCOS in Himachal Pradesh.



(Site Visiting Team)



(Ongoing C/O Multipurpose Hall at Pandoh)



(Material Inspection by the team)



(Ongoing C/O of SP Office at Mandi)

## THE MONTH AT A GLANCE:

### Discussions on WAPCOS operations in Burundi

H.E. Ms. Stella Budiriganya, Ambassador of Republic of Burundi to India along with Burundian Delegation led by Dr. Martin NDAYIZEYE, Director General of Energy met Mr. R. K. Agrawal, CMD, WAPCOS & NPCC on

23-04-22 at WAPCOS Gurugram office for discussions regarding WAPCOS operations in Burundi. The delegation appreciated WAPCOS involvement in Kabu-16 Hydro Electric project.



Mr. R. K. Agrawal, CMD, WAPCOS & NPCC called on Hon. Kwaku Ampratwum-Sarpong, Deputy Minister Political and Economic Affairs of the Ministry of Foreign Affairs and Regional Integration, Republic of Ghana on 25th April 2022 during his visit to India to brief him on WAPCOS operations in Ghana.





## THE MONTH AT A GLANCE:

### Meeting with the Ambassador of Nepal to India

ON the 27th of April, Mr. R. K. Agrawal, CMD, WAPCOS & NPCC called on H.E. Dr. Shankar Prasad Sharma, Ambassador of Nepal to India to brief him on WAPCOS operations in Nepal and discuss issues of mutual interest.



### Extension of Consultancy Services in Fiji

Mr. K.P.S. Tyagi, Country Manager, WAPCOS signed a contract for providing "Professional Services for Project Management and Construction Supervision" for works under Water Authority of Fiji with Mr. Amit Chanan, Chief Executive Officer, and Water Authority of Fiji. The Consultancy value of contract is INR 15.37 Crore and contract duration is three years.



## EMPLOYEES OF THE MONTH

WAPCOS recognizes employee's efforts for exemplary contribution in achievement of Turnover, New Business and Payment Realization

### CONSULTANCY SEGMENT

#### Turnover



**Ms. Janvy Bansal**

Sr. Engineer  
Transmission & Substation

#### New Business



**Mr. Rajneekant Patel**

Dy. Chief Engineer  
GIS - Gandhinagar

#### Payment Realization



**Mr. Abhishek Saxena**

Engineer  
Water Management

### CONSTRUCTION SEGMENT

#### Turnover



**Ms. Kalawati Rawat**

Project Manager,  
PMGSY, Uttarakhand

#### New Business



**Mr. Rakshit Kerni**

Project Manager,  
Ladakh

#### Payment Realization



**Mr. Deepank Aggarwal**

Regional Manager,  
Kerala



# WAPCOS OPERATIONS ABROAD: PRESENCE IN 50+ COUNTRIES



ISO 9001:2015

**WAPCOS  
LIMITED**

(A Government of India Undertaking)  
Ministry of Jal Shakti

(A Global Leader in Consultancy and Engineering, Procurement & Construction (EPC)  
Providing Integrated & Customised Solutions for Sustainable Development of  
Water, Power and Infrastructure Projects)

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