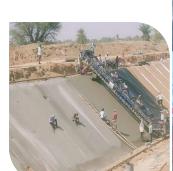




# e-Sanchar













MONTHLY NEWSLETTER

**June 2022** 



## e-Sanchar

## **WAPCOS PARTICIPATION** IN GOVERNMENT OF INDIA **SCHEMES**



**Smart City** 

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



Atal Mission for Rejuvenation and Urban **Transformation** 

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

### 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"



Pradhan Mantri Awas Yoiana

- Gujarat
- Uttar Pradesh
- Raiasthan
- Chhattisgarh **Jharkhand**
- Uttarakhand



Deen Dayal Upadhyaya Gram Jyoti Yojana

**Integrated Power** 

Development

Scheme

- Uttar Pradesh =
- Assam
- Tripura
- Karnataka West Bengal
- Haryana
  - Maharashtra = Bihar

**Jharkhand** 

Himachal

Pradesh

Nagaland Manipur

Rajasthan

Sikkim

Kerala

Tamil Nadu



- 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 =
- **Punjab**
- Rajasthan
- Maharashtra
- Madhya Pradesh
- Andhra Pradesh
- Assam



## MESSAGE



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

### Dear Readers,

India-Africa partnership has scaled new heights under the leadership of Hon'ble Prime Minister, Shri Narendra Modi Ji. The Indian government has extended support to several African nations in the past few years. One can sense the growing interest in the fact that the country has been expanding its diplomatic presence in Africa—the number of resident Indian Missions in the continent has increased from 29 to 47 since 2018. India sees a great potential in Africa as the continent has a large working-age population.

India is the fourth largest partner of Africa in terms of investments, which accounts for a total of \$70.7 billion. The country is also helping African nations in building their infrastructure. Under the development partnerships forged between India and African nations, the country has till date completed 189 projects and at present 76 projects are in the execution stage and 68 are in pre-execution stage. At WAPCOS, we have undertaken several such infrastructure building, power and water-related projects in Africa. In our previous newsletter, we highlighted project details of the work, we are doing in Zimbabwe and this month, we bring more project updates from Africa.

We met the Ambassadors to India of the Democratic Republic of Congo and Republic of Burundi along with delegations to discuss recent developments on the ongoing international projects in these two countries. There are details about our project in Burundi, where we are providing Project Management Consultancy (PMC) services for under construction 20MW Kabu-16 HEP. We have been awarded the project for Supervision of Rehabilitation and Construction of Transmission lines in Mozambique. The project would revolve around design check and construction supervision of transmission lines at the distribution centers (DCs) in the cities of Tete and Moatize.

We have also included details about some of our ongoing and completed domestic projects. The state of the art multi-purpose indoor hall that we have constructed at Hinjilicut in Odisha is one of the finest sports facilities in the country and we are proud to have accomplished the project in a timely manner. Another project that we have highlighted this month is the international standard school that we have built in Kerala.



Visit of Hon'ble Union Home Minister to WAPCOS Executed Project in Assam

Hon'ble Union Home Minister, Shri Amit Shah, inaugurated the New Jaganana Bhavan at Guwahati, executed by WAPCOS in the presence of the Hon'ble Chief Minister of Assam, Dr. Himanta Biswa Sarma. Home Secretary, Mr. Ajay Bhalla, Mr. Vivek Joshi, Registrar General of India and Mr. R.K Agrawal, CMD WAPCOS were also present











Visit of Hon'ble Union Minister of Youth Affairs and Sports to lay Foundation Stone for project being executed by WAPCOS in Patiala

On the occasion of the 61st Foundation Day of Netaji Subhas National Institute of Sports (NSNIS), Patiala, Hon'ble Union Minister of Youth Affairs and Sports, Shri Anurag Thakur laid the Foundation Stone of Strengthening and Conditioning Hall, which is being executed by WAPCOS.



WAPCOS is developing various Sports Infrastructure Works across India for Sports Authority of India (SAI) under Ministry of Youth Affairs and Sports.



Project Management Consultancy for Construction of 20MW Kabu-16 Hydro Electric Project, Burundi

WAPCOS is responsible for providing captioned services to the Ministry of Hydraulics, Energy and Mines, Government of Burundi.

The project is funded by EXIM Bank India under USD 80 million LOC to Government of Burundi.

The project is under execution and nearly 80% works have been completed. It is expected to be commissioned by December 2022.



#### **SALIENT FEATURES:**

#### **Concrete Gravity Dam:**

**28m** high, **119m** long, Spillway Sluice type with 4 bays

**Desilting Chamber: 2 Nos 119m** each Dufour type with circular top

**Head Race Tunnel: 2375m** long (Horse shoe shaped finished)

**Surge Shaft: 5m dia 72m** high (Restricted orifice type)

Penstock: 800m long 2m dia

### **POWER HOUSE:**

Surface powerhouse with **20MW** installed capacity **(2 x 10MW** Vertical Axis Francis Turbines)

### **POWER BENEFITS:**

**153.26 GWh** (PLF **87.48%**) at **90%** dependable year

**161.89** GWh (PLF **92.41%**) at **75%** dependable year

**166.35** GWh (PLF **94.95%**) at **50%** dependable year

### Concrete Gravity Dam: 28m height

Block Nos 1-4 complete and Block 5,6,7 (second stage) to be taken up after erection of Radial/Stoplog gates in Spillway Blocks 3 & 4



Dam Blocks 1-4 (completed till top)



Spillway Blocks 3-4 (Radial Gates Erection underway)



POWERHOUSE: EOT Commissioning and Truss Erection underway

## Desilting Chamber:

Concrete Lining underway



**Head Race Tunnnel:** Concreting and Grouting works completed





Design Check and Construction Supervision of Water Supply Transmission Main in Mozambique



DN350 DI Pipeline

WAPCOS has been awarded the Design Check and Construction Supervision of Transmission Main at the Distribution Centers (DCs) in the cities of Tete and Moatize by Fund for Investment and Assets of Water Supply (FIPAG).

The project is funded by the World Bank under the Water Services and Institutional Support Project II (WASIS II) scheme. The FIPAG intends to expand its water supply network and provide 24X7 supply of drinking water to the fast growing population in Tete and Moatize. These cities are facing water scarcity due to the mountainous terrain in the region. This project would benefit a minimum of 900,000 citizens across both the cities in the future.

The design phase for the project has been completed and the construction is in progress. Although, the project faced several hurdles such as the outbreak of coronavirus and Cyclone ANA, the construction schedule is moving forward on time. It is expected that the project would be completed on time. Recently, the Vice Minister for Ministry of Public Works, Housing and Water Resources visited the site and appreciated the quality of work carried out at site. The Minister specially appreciated the safety and environmental standards followed in the project.

- 32.5 Km of DI Transmission Main including borehole connection pipeline and main transmission main.
- Pipe Diameter ranging from DN150 to DN500
- 400 m wide river crossing using HDD method
- ARAP implementation
- Connection of new pipeline with existing pipelines and reservoirs.
- Installation of air valves, gate valves, washout valves and water meters along with valve chambers
- Pressure testing and cleaning and disinfection of pipeline
- Commissioning and handover of the project for operation



Design and construction supervision of road rehabilitation N280/N281 between Tica, Buzi and Nova Sofala in Sofala Province, Mozambique

WAPCOS has been awarded the design and supervision consultancy for rehabilitation of road N280/N281 between Tica, Buzi and Nova Sofala in Sofala Province, Mozambique by National Roads Administration – (ANE).

The project is funded by EXIM Bank of India under line of credit to the Republic of Mozambique. The ANE intended to rehabilitate 134 km of cumulative length of road N280 and N281 with bituminous top surface road in lieu of existing narrow earthen road. The construction of this road would bring significant life quality changes to the local population, as the older road was impassable during the rainy season due to flooding at various sections.

The project comprises the detailed design of 134 km of two-lane, two-way road and associated structures such as pipe and box culverts, box and minor and major bridges. The design was finalised and construction work is in progress.

The project faced severe challenges when Cyclone Idai hit in March 2019, which was followed by the outbreak of COVID-19 in 2020, and then Cyclone Eloise in January 2021 etc. The flooding after cyclones caused severe damage to project works and additional structures and road protection works have been introduced for more resilient roads. Currently, 72% of physical progress has been achieved including additional works. The project was recently visited by Ms. Stella Pinto Zeca, Hon'ble Secretary of the State of Sofala, Mozambique to review

the project activities. She understood the difficulties and challenges encountered by the project and appreciated the efforts being made at the site to complete the pending work in a timely manner.

### THE SALIENT FEATURES OF THE PROJECT:

- Construction of 134 km of road 2-lane
   2-way road with 4 km of town section.
- The design life of the road is 15 years with a maximum design speed of 80 kmph.
- Numbers of original and additional structures stands to a total of 535.
- Development of 5 major junctions.
- The construction of 690 m long pre-cast and pre-stressed girder bridge over Buzi River.
- The project provides employment to over 1,200 workers every month.
- EMP, HIV awareness meetings, road safety campaigns etc are monitored and organised regularly.



Buzi River major bridge of 690 m length completed



Site Visit of Ms. Stella Pinto Zeca, Hon'ble Secretary of the state of Sofala, Mozambique



### Meeting with High Level Delegation from Democratic Republic of Congo

On the 19th of May, Mr. Ankur Panwar, General Manager (Power), WAPCOS, led a delegation of WAPCOS officials for a meeting with a high-level delegation from the Republic of Congo at their Embassy premises in New Delhi. The high-level delegation from the Republic of Congo included the Secretary General of the Ministry of Foreign Affairs (MoFA), Mr. Jos Kabong Ngoi along with the Principal Advisor to the President of the Democratic Republic of Congo. Other officials included Her Excellency, the Ambassador of the Democratic Republic of Congo, Ms. Rosette Mossi Nyamale and officials from the Ministry of Water Resources and Electricity, Ministry of Finance and the Ministry of Foreign Affairs.

Mr. Manoj Kumar, Head (T&D) WAPCOS and Mr. Ankur Bucha, Deputy Chief Engineer, WAPCOS, presented a PPT on the progress of WAPCOS' ongoing projects in the Democratic Republic of Congo and the plan for the smooth completion of these projects.



Meeting between team members of WAPCOS and officials from the Democratic Republic of Congo

19.05.2022

## Meeting with Ambassador of Republic of Burundi to India

H.E. Ms. Stella Budiriganya, Ambassador of Republic of Burundi to India along with a Burundian delegation led by Dr. Martin Ndayizeye, Director General of Energy met Mr. R.K. Agrawal, CMD, WAPCOS on 23rd May at the Gurugram office of WAPCOS for discussing WAPCOS operations in Burundi. The delegation appreciated WAPCOS involvement in Kabu-16 Hydro Electric project.





Education Rejuvenation: International Standard Facilities at Schools in Kerala



In 2020, in order to facilitate the time bound implementation of the "Public Education Rejuvenation Campaign" the General Education Department, Government of Kerala, engaged WAPCOS as Special Purpose Vehicle (SPV) for the implementation of "Modernization of Schools in Kerala to International Standards as Centre of Excellence and Betterment of Infrastructure Facilities for 50 nos. of schools" with total project cost of Rs. 150 crore.

The General Education Department, Government of Kerala proposed to upgrade government schools across Kerala to International Standards. The project aims to provide infrastructure facilities addressing academic requirements such as addition of class rooms, labs stages, auditorium etc. The project involves the construction of new classrooms, renovation of existing buildings, integration of toilets for boys and girls, modern dining and kitchen complex, entry & exit ways for physically challenged and making the campus clean, safe and secure.

Despite facing hurdles caused by the outbreak of coronavirus in 2020-21, 20 schools have been completed out of the 50 and the remaining 30 schools are nearing completion with average physical progress of 80%.



## SALIENT FEATURES OF THE PROJECT:

- Built-up Area for all schools - 69,500 Sqm.
- New Construction of Academic Blocks with G+1, G+2 and G+3 floors
- Vertical Expansion and Horizontal expansion of existing buildings by 1 or 2 floors
- Laboratory blocks
- Toilet blocks including disabled friendly toilet facility
- Kitchen and Dining block
- Compound wall
- · Retaining wall
- Stage
- Auditorium
- Sump
- Septic Tank



Signing of Memorandum of Understanding between various Heads of Departments for WAPCOS for Financial Year 2022-2023

r. R.K.Agrawal, CMD WAPCOS signed several Memorandum of Understanding (MoUs) with various Heads of Departments for the year 2022-2023 on 21.05.2022 with an objective to facilitate growth of WAPCOS.

Mr. Pankaj Kapoor, Director (Finance), Mr. Anupam Mishra, Director (Commercial & HRD) and other senior officers attended the ceremony at the WAPCOS Gurugram office. The ceremony was also attended by representatives of various field offices across India through Video Conferencing.









































### Construction of Convention Centre in Aizawl, Mizoram

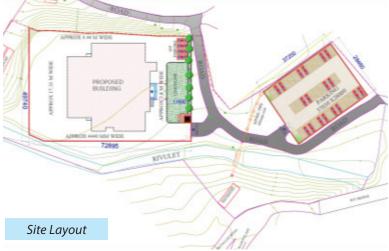
With a vision of promoting Meetings, Incentives, Conferences and Exhibitions (MICE) Tourism in the State of Mizoram, the Ministry of Tourism, Government of India has entrusted WAPCOS with the project for Construction of a Convention Center in Aizawl — the state capital of Mizoram.

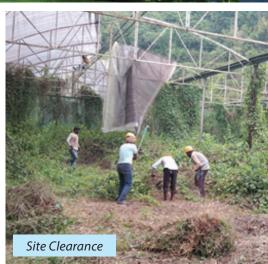
Spread over an acre of land and having a seating capacity of 1200, it has some magnificent facilities such as auditorium (seating capacity of 300), four multipurpose

halls (each having seating capacity of 150), a conference room, restaurants and a library (with seating capacity of 300).

All major works like surveys and investigations, preparation of a Detailed Project Report and Tender Document, Bid Process Management and award of work to the contractor have been completed. The construction works of convention centre are currently in progress.









Preparation of Hydraulic Modelling and Master Plan along with Water Audit for Solapur Water Supply System under Smart Cities Mission

Solapur City Development Corporation Limited (SCDCL) awarded the consultancy work to WAPCOS for improving existing intermittent water supply to 24 x 7 continuous water supply system for Solapur city as per AMRUT 2.0 Guidelines.

#### **Existing Problems**

 With a population of approximately 10 lakh residents, for many years Solapur city has faced a water supply problem at various levels including supply, storage, transmission distribution.

This resulted in Solapur city having its water supply cut for 2.5 hours every 4th day which became a concern for SMC (Solapur Municipal

Corporation).

### Scope of Work

The Scope of Work involved for WAPCOS includes:

- Topographical survey of around 1500 km of network and Base Map Preparation
- Hydraulic Modelling and Master Plan for Solapur Water Supply System for future population of 15 lakh residents.
- Water Audit for the Solapur city Water Supply System and NRW reduction measures.
- Study of Existing Water Supply System (WSS), deficiency in system, Supply Demand Gap Analysis, Feasibility for Proposed 24 x 7 WSS.
- Flow Measurement at Source, Transmission Mains (TM), ESRs, GSRs, MBRs, Bypass and entry of DMAs by installing Meters and recording Readings and flow measurement.
- Design of Proposed WSS by WaterGems, Preparation of DPR, BOQ, Drawings, Reports and facilitating Client in getting Proposed Funds and Approval of Report from Authority.

 Consumer Survey by installing meters at 10% of property connection there by collecting data for NRW calculation.

### Framework adopted for the Project

- Existing intermittent Water Supply System was studied and instances of bypass connections were identified. These illegal & direct tapings from Transmission Mains along with obsolete ESRs and Transmission Systems, made it difficult to assess incoming water in the system and the relevant losses.
- Hydraulic Modelling was done for the existing system

(Steady state and Extended Period Stimulation Scenarios), Existing problems were resolved by Designing and Modeling Continuous 24 x 7 Water supply System considering AMRUT 2.0 & CPHEEO Guidelines. Accordingly, a Detailed Project Report (DPR) was prepared & submitted to the client.

- Currently, a Water Audit is being conducted along with consumer meter sampling and temporary flow measurement by installing temporary Ultrasonic Flowmeters at Source, TMs, Bypass, ESRs & MBRs for NRW (Non-Revenue Water) Estimation & accordingly aReduction Strategy will be proposed in final Water Audit Report.
- Current Progress: 85% progress achieved in which DPR for the Solapur WSS has been submitted to the client. 2000 Consumer Meter samples have been completed till date and flow meter measurement for 3 cycles (Summer, Winter & Rainy season) completed at the source for calculating the system input volume.







### Meeting with high level delegation from Zimbabwe

Meeting with delegation of Zimbabwe Electricity Supply Authority (ZESA) and Zimbabwe Power Company (ZPC) led by Mr. Sydney Zikuzo Gata, Executive Chairman, ZESA along with Mr. Kenneth Maswera, MD, ZPC at WAPCOS Gurugram office for discussions regarding WAPCOS operations in Zimbabwe.

16.05.2022



### Meeting with Cuba Delegation

Dr. Aman Sharma, Chief Executive Director (Envt., CM & A), Mr. Ankur Panwar, General Manager (Power) and Mr. Manoj Kumar, Head (T&D) along with other officials from Power Division, WAPCOS attended a meeting with Ms. Adiley Rodríguez Pérez from Ministry of Energy & Mines of Cuba, Mr. Ovel Concepción Díaz - Joint Secretary of Renewable Energy Sources Generation, Unión Eléctrica, Ms. Jacqueline Mercedes Pedrouzo Obregón - Joint Secretary of ENERGOIMPORT and His Excellency Mr. Alejandro Simancas Marín, Ambassador of Republic of Cuba to India to discuss about the Business prospects in Cuba. WAPCOS is playing an integral role in development of 75 MW AC Solar Photovoltaic Parks in Cuba.



WAPCOS team presented a Detailed Project Report prepared in record time to the Cuban Delegation



Meeting with Ambassadors of Cambodia and Laos to India

Mr. R.K Agrawal, CMD, WAPCOS met with H.E. Mr. Ung Sean, Ambassador of Cambodia to India to brief about WAPCOS operations in Cambodia and discuss issues of mutual interest.

06.05.2022



Mr. R.K Agrawal, CMD, WAPCOS met with H.E. Mr. Bounneme Chouanghom, Ambassador of Lao People's Democratic Republic (PDR) to India to brief about WAPCOS operations in Lao PDR and discuss issues of mutual interest.

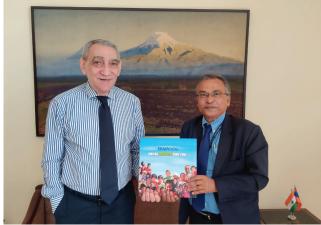




Mr. Anupam Mishra, Director (Comml. & HRD), WAPCOS Meeting with Senior Officials



Meeting of Mr. Anupam Mishra, Director (Comml. & HRD), WAPCOS with JICA officials, Ms. Shashi Khanna, Addl. Chief Development Specialist, JICA and Ms. Ohguchi Rio, JICA Country Representative, In charge of PSP Power Development Projects in India.



Meeting with H.E. Mr. Yuri Babakhanyan, Ambassador of Armenia to India



Mr. Anupam Mishra, Director (Comml. & HRD), WAPCOS at the SCOPE Executive Board meeting held in New Delhi

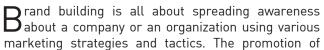


Meeting with H.E Mr. Leonard Mengezi, High Commissioner of Malawi to India



## **KNOWLEDGE CORNER**

### **BRAND BUILDING**



any brand in domestic and international markets is vital for the success of any business. The main goal of brand building is to create a unique image of the company in the market and it is a very crucial aspect of running any business as it is the visual voice of the company. Branding, thus, is a systematically planned and implemented process of creating and maintaining

encouraging images and consequently, a favorable reputation of the company as a whole by generating confidence in all stakeholders through managing behavior, communication and symbolism.

As a tool for brand building, a modular corporate presentation about some important WAPCOS projects has been precisely prepared. This presentation is readily

available to all offices in India/abroad for showcasing to clients and other stakeholders.

Furthermore, every



month. Project Appraisal Presentation Meetings (PAPMs) being virtually whereby presentations are made by the respective project officers handling the project to facilitate dissemination of information amongst all units and offices.

So far, three PAPMs have been organised wherein WAPCOS officials have presented the details of their projects,

USPs, challenges and out of the box solutions provided during planning and execution of these projects. These presentations have been attended by other officers of the company.

The details of star presenters who made presentations and shared their experiences and expertise are as follows:

### **STAR PRESENTERS**



**Mr. Adarsh Kumar S.**Deputy Chief Engineer
Infrastructure IV

Presentation on Project

Engineering to Contract Services for Upgrading of Queen Elizabeth Drive in Fiji Islands



**Mr. Aishwarya Srivastava** *Sr. Engineer Civil Desian* 

#### Presentation on Project

High Altitude Transmission Lines:66 kV D/c Dah-Hanu-Khaltse Transmission Line, Leh, Ladakh



**Mr. Amit Gwande** *Project Manager Bhutan* 

Presentation on Project

Pancheshwar Multipurpose Project (5040 MW), India & Nepal and Kuri-Gongri Hydroelectric Project (2,800 MW), Bhutan



**Mr. Bidyut Kumar Roy**Project Manager
Infrastructure IV

#### **Presentation on Project**

PMC for Rail cum Road Bridge over Ganga between Ghazipur and Tarighat, Uttar Pradesh



#### STAR PRESENTERS -



**Mr. Chandrasekhar K**Country Manager
Tanzania

Presentation on Project

Water Supply in Tanzania-Extension of Lake Victoria pipeline to Tabora, Igunga and Nzega Towns



**Mr. Gaurav Tanwar** Sr. Engineer Infrastructure III

**Presentation on Project** 

Atal Bihari Vajpayee Center for Excellence in Information Technology & Communication and Outsourcing, Ulaanbaatar, Mongolia



**Ms. Kalawati Rawat**Project Manager
PMGSY

**Presentation on Project** 

Partnering with Government of India Construction of Roads and Bridges under Pradhan Mantri Gram Sadak Yojna (PMGSY) in Uttarakhand State



**Mr. Manish Yadav** Sr. Technology Consultant IWCIMS,WRD

**Presentation on Project** 

Integrated Water & Crop Information & Management System, National Water Informatics Center (NWIC), Deptt. of Water Resources, RD&GR, Ministry of Jal Shakti, New Delhi



**Mr. Manoj Kumar** Head T&D

Presentation on Project

Design and Supervision works for the Mozambique Energy for All project (Pro-Energia): Package 1&2, Mozambique and

75 MW Solar Photovoltaic Parks in Cuba, North America

and

Power Transmission System Planning, Feasibility Study and Project Preparation for major Urban Centers in Nepal



**Mr. Rahul Gautam**Additional Chief Engineer Dam&
Reservoir Engineering

**Presentation on Project** 

Rahughat Hydroelectric Project (40MW), Nepal



**Mr. Rajesh Kumar** Additional Chief Engineer Projects CMV III

Presentation on Project

Development of Sports Infrastructure Facilities for various centers of Sports Authority of India



**Ms. Reshmi R.** Project Manager Infrastructure III

Presentation on Project

Modernization of Schools to international standards as Centers of Excellence and betterment of Infrastructure facilities, Kerala



**Mr. V. Jagadeesh Yarramsetty** *Sr. Engineer Power* 

Presentation on Project

PMC works for 220 kV Supply Project-HPCL Visakh Refinery, Vishakhapatnam, Andhra Pradesh





### Welcome to Presentation on Projects of WAPCOS



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

May , 2022



## **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. Hitashi Nair Dy. Chief Engineer SSP Ahmedabad

**New Business** 



Mr. Tarun Singhal
Sr. Engineer
Dam & Reservoir Engineering

Payment Realization



Mr. Leela Pawan Kumar Sr. Engineer Hydro-Power

### **CONSTRUCTION SEGMENT**

Turnover



Ms. Chinchu Jacob Engineer Regional Office, Kerala

**New Business** 



Mr. Umang Arora
Sr. Engineer
Construction Management-I

**Payment Realization** 



Ms.Lincy A. Varghese
Engineer
Infrastructure - IV

## **WAPCOS OPERATIONS ABROAD: PRESENCE IN 50+ COUNTRIES**





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

> 5th Floor , "Kailash Building", 26, K.G. Marg, New Delhi – 110001, India Tel.: +91-11-23313131, 23313881; Fax: +91-11-23314924









