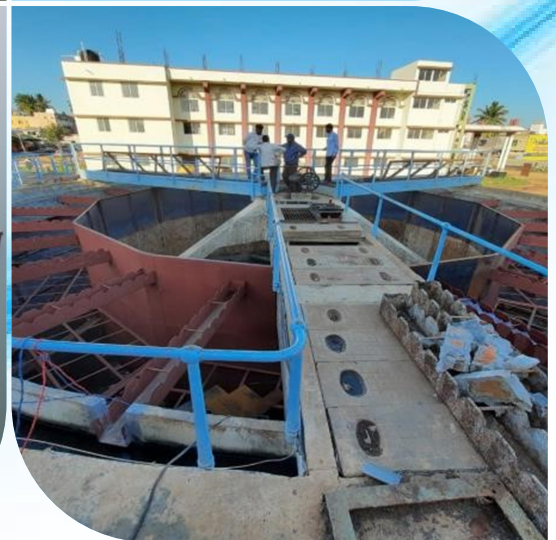


e-Sanchar



MONTHLY
NEWSLETTER
March 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



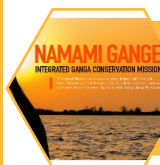
Pradhan Mantri Gram Sadak Yojana

- 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



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

MESSAGE

Dear Readers,

On February 1st, the Hon'ble Finance Minister, Government of India, announced the Union Budget for the year 2022-23 indicating what the priorities are for the country in the coming financial year. We note with great interest and appreciation the Union Government's continued commitment towards supporting the country's strong economic recovery through capital expenditure on citizen centric infrastructure building.

This year's Union Budget allocated Rs. 60,000 crore for the Jal Jeevan Mission, which will be used to provide tap water to 3.8 crore new households. As the National Project Monitoring Unit for the Jal Jeevan Mission, we at WAPCOS are proud to be playing an integral role in the Jal Jeevan Mission and providing clean tap water connections to large sections of our population in rural and urban areas.

Giving a fillip to the river interlinking projects, the 2022-23 budget announced the implementation of the long pending Ken-Betawa link project, which is expected to create 9.08 lakh hectares of irrigated area, drinking water for 62 lakh people, 103 MW hydro and 27 MW of solar-power. Additionally the budget also announced that Draft Detailed Project Reports for five river links, namely Damanganga-Pinjal, Par-Tapi-Narmada, Godavari-Krishna, Krishna-Pennar and Pennar-Cauvery have been finalised. Once a consensus is reached among the beneficiary States, the Centre will provide support for implementation.

Another highlight of this year's budget has been the announcement of the PM Gati Shakti National Master Plan, which will herald a new era in the infrastructure sector with an initial outlay of Rs. 20,000 crore for the year. Envisioned as a transformative approach to infrastructure planning, PM Gati Shakti will aim to bring greater integration among the various ministries managing road, railways, airports, ports and waterways to bring in much needed consolidation within the sector.

As a company that is deeply involved in infrastructure construction and water and power resources management, WAPCOS stands to benefit immensely from these projects. As active participants in several programs of national importance, WAPCOS already has the experience of working with multiple stakeholders including State and Central Government along with their associated ministries and departments. The integration and streamlining of requirements from all stakeholders as envisioned by the PM Gati Shakti program, will go a long way in bringing about transformative change across the country.

THE MONTH AT A GLANCE:

01.02.2022

Mr. R. K. Agrawal, CMD WAPCOS and NPCC met Smt. Pratima Bhoumik, Union Minister of State, Ministry of Social Justice and Empowerment, Government of India to discuss various development projects and other areas of cooperation between WAPCOS – NPCC and the Ministry of Social Justice and Empowerment.



02.02.2022

Fishermen along the Umarsadi coastline in Gujarat will benefit as the foundation stone for Umarsadi Fish Landing Centre was laid by Hon'ble Minister for Finance, Energy & Petrochemicals, Shri Kannubhai Desai, in the presence of Hon'ble Minister of Fisheries (Independent charge), Shri Jeetubhai Chaudhary, Hon'ble Minister for Tribal Development and Shri Naresh Bhai Patel. WAPCOS is involved in the development, maintenance and upgradation of Fishery Harbours, Fish Landing Centres along the 1596 kms coastline of Gujarat.



02.02.2022

Mr. R.K.Agrawal, CMD WAPCOS & NPCC met with Shri Sarbananda Sonowal, Hon'ble Minister, Ministry of Ayush & Ministry of Ports, Shipping and Waterways, Government of India to discuss status of various ongoing projects.




THE MONTH AT A GLANCE:

10.02.2022


A Memorandum of Understanding (MoU) was signed between. Shri Pankaj Kumar, Secretary, Department of WR, RD & GR, Ministry of Jal Shakti, Government of India and Shri R.K.Agrawal, CMD, WAPCOS and NPCC. Shri Sanjay Awasthi, Joint Secretary (RD & PP); Shri Manoj Sethi, Joint Secretary & Financial Advisor; Shri Pankaj Kapoor, Director (Finance); Shri Anupam Mishra, Director (Comml. & HRD) and other senior officers were present during the event.



In Kerala, WAPCOS played an integral role in upgrading the School and Education Infrastructure. Chosen as the Special Purpose Vehicle for “Modernisation of Schools to International Standards as Centre of Excellence and betterment of Infrastructure facilities”, WAPCOS provided technical assistance and consultancy for new buildings constructed at 6 schools in the Ernakulam district which were inaugurated by Hon’ble Chief Minister, Shri Pinarayi Vijayanthese. Despite the COVID-19 pandemic, WAPCOS has worked relentlessly and as on date, 18 out of 50 schools stand completed.



WAPCOS has provided technical assistance and consultancy for the new buildings constructed at **6 schools in Ernakulam** district in Kerala



THE MONTH AT A GLANCE:

16.02.2022

Mr. R. K. Agrawal, CMD, WAPCOS & NPCC met with Mr. Robert Romawia Royte, Hon'ble Minister of Tourism and Sports & Youth Services, Govt. of Mizoram at WAPCOS New Delhi office regarding the ongoing projects and future collaborations. Also present were, Mr. Alexander Chongthu, Addl. Resident Commissioner; Mr. John Tanpuia, Secretary, Mizoram State Sports Council; Mr. V Lalengmawia, Director Tourism, Govt. of Mizoram and Mr. Anupam Mishra, Director (Comml. & HRD), WAPCOS.



17.02.2022

An agreement was signed between WAPCOS and Central Warehousing Corporation (CWC) for Project Management Consultancy and other allied Design Engineering & Architectural services for services amongst the 14 Regions of CWC across India.



18.02.2022

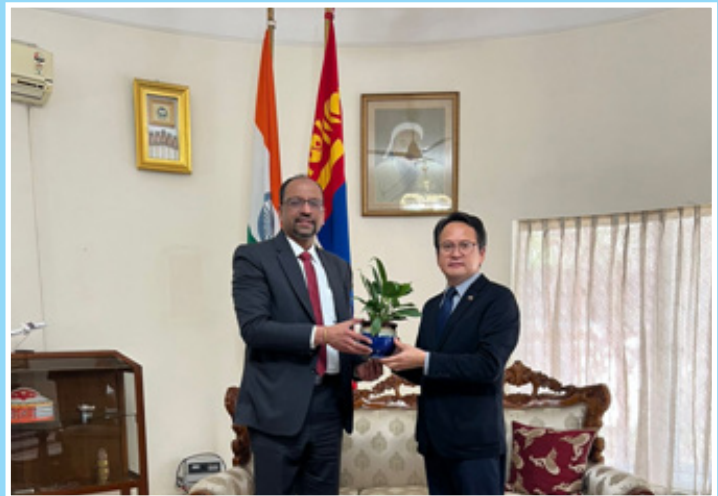
Mr. R. K. Agrawal, CMD, WAPCOS & NPCC called on H.E. Ms. Anisa Kapufi Mbega, High Commissioner of Tanzania to brief about WAPCOS operations in Tanzania and discuss areas of mutual interest.



THE MONTH AT A GLANCE:

21.02.2022

Mr. R. K. Agrawal, CMD, WAPCOS & NPCC called on H.E. Mr. Ganbold Dambajav, Ambassador of Mongolia to discuss future opportunities and ongoing collaborative projects of WAPCOS in the country.



21.02.2022

Smt. Meenakshi Lekhi, Hon'ble Minister of State for External Affairs, Government of India inaugurated the exhibition '75 Years of India's Development Partnership' as part of the Azadi Ka Amrit Mahotsav week. During this, Mr. R.K. Agrawal CMD, WAPCOS & NPCC briefed the dignitaries about WAPCOS' exhibits in Water Development. Mr. Anupam Mishra, Director (C&HRD) and other officers from WAPCOS were also present. Various foreign and Indian delegates visited and appreciated their efforts.



Mr. Anupam Mishra, Director (Comml. & HRD) briefing Sh. R.K.Ranjan Singh, Hon'ble Minister of State, Ministry of External Affairs, Government of India at WAPCOS Exhibits



Mr. R.K.Agrawal, CMD WAPCOS & NPCC; Mr. Anupam Mishra, Director (Comml. & HRD) with delegates from Zimbabwe

THE MONTH AT A GLANCE:

21.02.2022

Shri Prahlad Singh Patel, Hon'ble Union Minister of State for Jal Shakti and Food Processing Industries, Government of India visited Adyar River Restoration (Phase 3) project site. WAPCOS is the Project Management Consultant for this project. Shri DVS Murthy, Project Director, Southern Region, WAPCOS briefed the Hon'ble Minister about the project.



PROJECT UPDATE:

Construction of National Highways in Assam & Meghalaya

WAPCOS was entrusted with preparation of the Feasibility Study & Detailed Project Report for the construction of National Highways in the Assam Meghalaya border region. With a total length of 521 kilometres, the project comprises of 9 project stretches, which are being converted from a 2-lane configuration to a 4-lane configuration as per specifications for National Highway standards.

List of stretches:

Name of the Stretch	Length (km)
Narengi-Kuruwa-Dumunichawki (including from Changsari to Kuruwa)	47
Indo-Bhutan border –Musalpur-Tihu Chowk- Tihu-Makhibaha - Sarthebari- Kalitakuchi	110
Pathshala-Dubi-Helona-Bongaon-Rampur-Sarthebari	45
Tihu-Sarthebari-Nagaon	50
Baihata-Goreswar-Udalguri (50 km)	50
Mangaldai-Bhutianhang-Changrang	62
Dudhnoi-Matia-Morno-Goalpara-Pancharatna	103
Haldyanganj-Mankachar Road	22
Agia-Medhipara-Lakhipur	32

Given the strategic location of this project along the border region this project is being developed under the Special Accelerated Road Development Programme North East. The existing road comprises of numerous cross drainages structures like culverts, minor bridges etc. The up-gradation aims to provide fast connectivity, growth of businesses & commercial centres in neighbouring towns and de-congestion of traffic along alternate routes.



Conducting Axle Load Survey & O-D Survey for Traffic Assessment

PROJECT UPDATE:

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

In an effort to aid the Nepal's development and urbanisation, WAPCOS has been tasked with Power Transmission System Planning for the entire country up to the year 2050. Nepal is a developing country with rapidly increasing rate of urbanization and industrialization. Given the rising energy and

transmission needs of the country it is clear that the existing capacity of transmission lines and substations in the cities is not sufficient. As part of the Power Transmission System Planning, WAPCOS is in the process of preparing Feasibility and Project Preparation Reports for all the major urban centres in Nepal.

Project Area

- Kathmandu Valley (Kathmandu, Lalitpur and Bhaktapur Districts)
- Pokhara Valley (Kaski District)
- Biratnagar, Itahari, Dharan, Biratchowk and adjacent Cities (Morang, Sunsari & Jhapa Districts)
- Janakpur and Bardibas (Danusha and Mahottary Districts)
- Hetauda, Simara, Parwanipur and Birgunj (Makawanpur, Bara & Parsa Districts)
- Butawal, Bhairahawa & Sunawal (Rupandehi & Nawalparasi Districts)
- Nepalgunj & Kohalpur (Banke District)

Scope of Services

- Data collection and preparation of demand forecasts in the cities for the years 2030, 2040 and 2050
- Desktop Identification of Transmission Lines and Substations
- Power System Studies
- Feasibility Report with Financial and Economic Analysis
- Geotechnical investigations and Topographic Surveys
- Environmental and Social Assessment Report
- Detailed design of transmission lines with Monopole, underground transmission line and a multi-tier compact GIS substation
- Procurement packages and cost estimates



Visit to 220/132/33/11kV Matatirtha substation in Kathmandu Valley

As of this month, Demand Forecast Report, Desktop Identification Report and Power System Studies Report have been submitted to the client- Nepal Electricity Authority (NEA). The work is under progress for all the other deliverables.



Under-construction 132/11kV Phutung Substation in Kathmandu Valley



Visit to the proposed 220/132/33kV substation site at NalaGumba in Kathmandu Valley

PROJECT UPDATE:

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

WAPCOS has been entrusted with Project Management Consultancy services for two projects, Queen Elizabeth Drive project and Vuci Road Footpath and Drainage upgradation project in by Fiji Roads Authority (FRA).

WAPCOS has over the years been instrumental in providing valuable engineering and time saving solutions to the Fijian Government and therefore is the only Expatriate Professional working with the Fiji

Roads Authority.

Despite facing interference from Chinese contractors looking to find a foothold in the region, WAPCOS has been undeterred in its mission to provide the best of Indian engineering to our partner countries across the world. The Queen Elizabeth Drive project is scheduled to be completed by December 2022. The Construction of Drainage and footpath along Vuci road is in progress and is expected to be completed by April 2022.



Inspection of Abutment Reinforcement along with representatives of Fiji Roads Authority and Contractor



Pre-hoeing of Existing AC surface along QED



Inspection of Culvert installation works along Queen Elizabeth Drive Road



Construction of Subgrade improvement layer in progress

PROJECT UPDATE:

Project Management Consultancy (PMC) for Rail cum Road Bridge over Ganga between Ghazipur & Tarighat, Uttar Pradesh

WAPCOS has been entrusted to provide PMC services for the Rail cum Road Bridge over River Ganga between Ghazipur & Tarighat in Uttar Pradesh by the Rail Vikas Nigam Limited (RVNL).

As a part of the drive to improve connectivity and logistics infrastructure across the country, this project will improve connectivity and boost economy and development in Uttar Pradesh. About 85% headway in terms of physical

progress has been achieved and the project is likely to be completed by June, 2022.

The main components of the project include:

Rail cum Road Bridge- 2 Broad Gauge railway lines at the lower deck, 3 lane highways with a single footpath at upper deck

Total Length:
1027.5 m

Span Arrangement:
11 no's 85.5 m c/c and 2 no's 43.50 m c/c spacing

Super Structure:
Warren type open web steel girder

Foundation:
Double D shaped Well Foundation (18.5m x 8.5m)

Sub Structure:
13.5m x 3 m Solid rectangular pier with rectangular RCC pier cap

Carriageway configuration:
10.5m wide 3-lane carriageways overall 16.1m wide including single pathways and railings



PROJECT UPDATE:

Self Help Electrification Project (SHEP-IV), Ghana

The Government of Ghana initiated the preparation for a National Electrification Scheme (NES) in 1989 that acted as its principal policy for provision of accessible and reliable electricity supply to all parts of the country over a period of 30-years beginning from 1990 to 2020.

The Government of Ghana (GOG), developed the Self-Help Electrification Programme (SHEP) as a supplementary programme to the National Electrification Scheme (NES). Under this programme, communities located within a radius of 20km from

an existing medium voltage (MV) lines (i.e. 11kV and 34.5kV networks) shall be connected to the National Electricity Grid ahead of their NES scheduled time-line.

The Ministry of Energy (MoE), Government of Ghana has awarded the project to WAPCOS and the Contract Agreement was signed on 10th December 2018 for the preparation of a Detailed Project Report for Self Help Electrification Project for Selected Communities in the Ashanti and BrongAhafo Regions.



Ministry of Energy, Government of Ghana & WAPCOS officials holding consultations with local community



Existing Tapping & DTR Arrangement



Visit to beneficiary communities

Distribution line details

- Construction of 399 kms of 34.5 kV Lines
- Construction of 108 km of 11.5 kV Lines
- Construction of 176 km of 0.4 kV Lines

No. of Transformers to be installed

- 21 nos. of 11.5/0.4 kV 50 kVA Dist. Transformers
- 15 nos. of 11.5/0.4 kV 100 kVA Dist. Transformers
- 03 nos. of 11.5/0.4 kV 200 kVA Dist. Transformers
- 68 nos. of 34.5/0.4 kV 50 kVA Dist. Transformers
- 14 nos. of 34.5/0.4 kV 100 kVA Dist. Transformers
- 1 nos. of 34.5/0.4 kV 200 kVA Dist. Transformers

No. of Service Connections

Approximately 16,500 consumers connections to be electrified

Work on the project is in progress and works contract have been awarded after the submission of the Detailed Project Report by WAPCOS.

PROJECT UPDATE:

Development of Ghats and Crematoria along Three Stretches under Namami Gange Program, Government of India

National Mission for Clean Ganga, Ministry of Jal Shakti, Government of India signed a Memorandum of Understanding (MoU) with WAPCOS for carrying out Entry Level Activities, Feasibility Studies and Condition Assessment in Uttarakhand under the prestigious Namami Gange Program. WAPCOS was appointed as the Executing Agency for the Development of Ghats and Crematoria along 3 Stretches in Uttarakhand, namely:

1. Rishikesh to Devprayag
2. Devprayag to Rudraprayag
3. Haridwar to Uttarakhand Border

WAPCOS Limited was responsible for the entire planning, management and effective implementation-taking place on the ground. All statutory Clearances from stakeholders were taken up by WAPCOS. All projects have been successfully completed within the specified time frame.

Rishikesh to Devprayag (Stretch-1)		
Sr. No	Name of Ghat	Area (m ²)
1	PhoolChatti Bathing Ghat	572
2	Ramkund Bathing Ghat	1107
3	Bharat Bathing Ghat	50
4	PhoolChatti Cremation Ghat	580
5	Sangam Cremation Ghat at Confluence of Bagirathi and Alaknanda river	461
6	Sangam Cremation Ghat at Alaknanda river	616

Devprayag to Rudraprayag (Stretch-2)		
Sr. No	Name of Ghat	Area (m ²)
1	Kirtinagar Old Ganga Bathing Ghat	277
2	Kirtinagar New Ganga Bathing Ghat	498
3	Naithani Bathing Ghat, Srinagar	1137
4	Renovated -1 Bathing Ghat, Rudraprayag	225
5	Renovated -2 Bathing Ghat, Rudraprayag	111
6	LHS Bathing Ghat, Alaknanda, Rudraprayag	650
7	RHS Bathing Ghat, Alaknanda, Rudraprayag	1151
8	Ufalda Cremation Ghat, Kirtinagar	497
9	ITI Cremation Ghat, Srinagar	583
10	Naithani Cremation Ghat, Srinagar	1137
11	Mandakini Cremation Ghat, Rudraprayag	329

Haridwar to Uttarakhand Border (Stretch-3)		
Sr. No	Name of Ghat	Area (m ²)
1	Ballawali Bathing Ghat	1000
2	Shampur Cremation Ghat	1108
3	Bhogpur Cremation Ghat	1429
4	Ballawali Cremation ghat	500

Salient Features

- ✓ Construction of River Protection Works including Counterfort Retaining Walls, Gabion protections etc.
- ✓ Construction of Bathing Ghats including parking, toilet blocks, water spout, safety railings, safety chains, steps accessible to minimum water level, Changing Rooms, signages, solar lights, high mast light, trash cans, signages and landscaping.
- ✓ Construction of Cremation Ghats involving parking, toilet blocks, water spout, safety railings, safety chains, steps accessible to minimum water level, locker room, Prayer hall, IWC, storage room, solar lights, high mast light, trash cans, signage and landscaping.



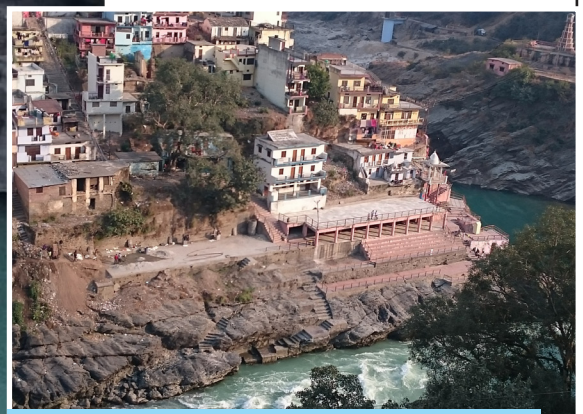
PHOOL CHATTI BATHING GHAT (PRE-PROJECT)



RAMKUND BATHING GHAT (CURRENT STATUS)



BHARAT BATHING GHAT (CURRENT STATUS)



SANGAM CREMATORIA (PRE-PROJECT)

EMPLOYEES OF THE MONTH

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

CONSULTANCY SEGMENT

Turnover



Mr. Aditya Singh
Sr.Engineer
TD, S & S

New Business



Mr. Satyajit Dey
Engineer
BD, R & R

Payment Realization



Ms. Neha Bansal
Sr. Engineer
Hydropower

CONSTRUCTION SEGMENT

Turnover



Mr. Yuvraj Borkar
Sr. Engineer
BB & BD

New Business



Ms. Ankita Sharma
Engineer
SSP Ahmedabad

Payment Realization



Mr. Sarveshwar Kumar
Sr. Engineer
BB & BD

WAPCOS OPERATIONS ABROAD: PRESENCE IN 50+ COUNTRIES



WAPCOS LIMITED
(A Government of India Undertaking)
Ministry of Jal Shakti

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