

## TECHNICAL REPORT 2020-2021

Sl. No.	Title	Report No.	Month/Year
<b>April 2020 -NIL</b>			
<b>May - 2020</b>			
1.	Mathematical Model Studies to assess the impact of construction of proposed bench and dredging of approach channel in hydrodynamics and sedimentation at old Mangalore Port, Karnataka.	5808	05/2020
2.	3D Stress Analysis by FEM of spillway Block No. 15 Massanjore Dam, West Bengal.	5809	05/2020
3.	Desk studies for the design of coastal protection work near Sasihithlu, Dakshina Kannada Dist, Karnataka.	5810	05/2020
4.	Testing of transit time flow meters in open channel at CWPRS Mechatronics systems Pvt. Ltd, Pune.	5811	05/2020
<b>June - 2020</b>			
5.	Estimation of site specific seismic design parameters for Khudla Reservoir Scheme Jharkhand.	5812	06/2020
6.	Study of shoreline Erosion along the Kerala Coast using Remote Sensing Techniques, Kerala.	5813	06/2020
7.	Additional Review of Storm water drainage studies for Navi Mumbai International Airport (NMIA), Navi Mumbai.	5814	06/2020
8.	Desk Studies for the design of coastal protection near Hosabettu Dakshina Kannada Dist. Karnataka	5815	06/2020
9.	Hydraulic model studies op upper intake and lower intake for Kudal pumped storage hydro electric Project (4x125mw) for TANGEDCO Tamilnadu through M/s. Patel Engineering Ltd.	5816	06/2020
10.	Performance testing of Paddle wheel current meters of for Bharat Electronic Limited, Pune	5817	06/2020
11.	Mathematical model studies for the assessment of wave tranquility and shoreline changes for the development of passenger Jetty at Kalingapathnam, Bheemunipatnam, Kakinada and Mypadu in Andhra Pradesh for APTDC	5818	06/2020
12.	Desk and wave flumes studies for the design of coastal protection works at Vakalpudi-Edatam state highway in East Godavari Dist. Andhra Pradesh.	5819	06/2020
13.	Desk and wave flume studies for the design of breakwaters for the development of private Port at Honnavar, Uttara kannda Dist. Karnataka.	5820	06/2020
14.	Desk studies for the design of bank protection works to Varoli river near village Bhati-Karambeli Dist. Valsad, Gujarat.	5821	06/2020
15.	Mathematical Model Studies for hydrodynamics, sediment transport and dispersion of dredged material for the proposed Development of Marine Infrastructure of Mazgaon Dock Shipbuilders Limited, Nhava Yard, Mumbai.	5822	06/2020
16.	Hydraulic Model Studies for Additional Spillway of Hirakud Dam, Odisha 1:100 scale 3-D Comprehensive Model.	5823	06/2020
17.	Mathematical Model Studies for hydrodynamics and siltation for deepending and widening of main navigational channel (Phase-II) for JN Port.	5824	06/2020
18.	Terms of reference for Real Time Stream flow forecasting and reservoir operation system for Indirasagar & Omkareshwar Reservoirs in Narmada Basin, Madhya Pradesh.	5825	06/2020

19.	Seismic Hazard Assessment of North and North East India under DRIP, CWC, Delhi.	5826	06/2020
20.	Mathematical Model Studies for Hydrodynamics and siltation for the proposed Eastern Breakwater at Porbandar, Gujarat.	5827	06/2020
<b>July- 2020</b>			
21.	Mathematical model studies to evaluate hydro dynamic and Sedimentation of ICG Jetty at Porbandar Gujarat.	5828	07/2020
22.	Estimation of site-specific Seismic design for Khudia and Jamunia Irrigation Schemes, Jharkhand.	5829	07/2020
23.	Mathematical Model Studies for Assessment of Wave Tranquility for Proposed Berth at Old Mangalore Port, Karnataka.	5830	07/2020
24.	Desk studies for ship mooring analysis for the proposed development of outer harbor at Paradip Port, Odisha.	5831	07/2020
25.	Mathematical Model Studies for Shoreline Changes for 2 <sup>nd</sup> stage Development of Karwar Port, Karnataka.	5832	07/2020
26.	Hydraulic Model Studies for Pakal dul H.E. project, J&K, 1: 70 Scale 3-D Comprehensive Model.	5833	07/2020
27.	Geotechnical studies fir seepage and stability analysis of Zoned earth dam of Anjansagiri reservoir, Telangana.	5834	07/2020
28.	Bathymetry Survey of Singda Reservoir in Manipur State under National Hydrology Project (NHP).	5835	07/2020
29.	Slope stability analysis of rock fall at Panshet Hydro Power Generation Station, District- Pune, State - Maharashtra.	5836	07/2020
30.	Morphological changes around Sogal channel in the approaches to Deendayal Port (Kandla) during 2011-2018.	5837	07/2020
31.	Desk studies for evolving suitable flood protection/anti-erosion measures in Nuegal khad to rehabilitate forest area along Saurav Van Vihar, Palampur, Himachal Pradesh.	5838	07/2020
32.	Mathematical Model Studies for hydrodynamics and sedimentation aspects for M/s EBTL Hazira, Gujarat.	5839	07/2020
<b>August -2020</b>			
33.	Nuclear Borehole Logging for determination of in-situ density at Temghar Dam Project, Maharashtra.	5840	08/2020
34.	Slope stability analysis on LHS and RHS hill slope of Insuli Border Check post, Banda.	5841	08/2020
35.	Desk and wave flume studies for the design of coastal Protection work at Ross Island in Port Blair, A&N Island.	5842	08/2020
36.	Dam Break analysis and Inputs for Emergency Action Plan for Baswapur Reservoir, near Baswapur village, Yadadri, Telengana.	5843	08/2020

37.	3-D stress analysis by FEM of spillway Block No. 9 Lower Tapi Dam (Padals e Dam) Jalgaon, Maharashtra.	5844	08/2020
38.	Mathematical Model studies for wave tranquility and Shoreline changes due to Reclamation proposed by M/S EBIL at Hazira, Gujrat.	5845	08/2020
39.	Desk and wave flume studies for the restoration and design of breakwaters for the fishing harbor at vernal, Gujarat.	5846	08/2020
40.	Revised Mathematical Model Studies For Flood Protection Measures of river Markanda in tehsil Nahan Dist. Sirmour, Himachal Pradesh.	5847	08/2020
41.	Performance testing of sample submersible pump sets for submersible pump sets for Irrigation and water Resources Department, Uttar Pradesh, Lucknow, 2019-2020.	5848	08/2020
<b>September- 2020</b>			
42.	Area Drainage Study for proposed BARC (V) Facilities at Atchutapuram Mandalam, Visakhapatnam, Andhra Pradesh.	5849	09/2020
43.	Mathematical Model studies on hydrodynamics and Sedimentation for demolition retaining wall at marriot hotel, Goa.	5850	09/2020
44.	Mathematical Model studies for hydrodynamics and siltation to validate flood mitigation measures for phase-II expansion of Project Varsha.	5851	09/2020
45.	Mathematical Model studies for wave tranquility and shoreline evolution for development of fisheries harbor at Murdeshwar, Karnataka.	5852	09/2020
46.	Bathymetry Survey of Khoupum Reservoir in Manipur State under National Hydrology Project (NHP).	5853	09/2020
47.	Desk and wave flume studies for the design of breakwater for the development of Fishery harbor at Murudeshwar, Karnataka.	5854	09/2020
48.	Hydraulic Model Studies for spillway of Kiru H.E. Project, Jammu & Kashmir, 1:50 scale 2-D Sectional Model.	5855	09/2020
49.	Sub bottom Seismic Profiling Studies at Nhava Yard for M/s Mazagon Dock Shipbuilders Ltd. Mumbai, Maharashtra.	5856	09/2020
50.	Hydraulic Model Studies of Jigaon Dam spillway Maharashtra, 1:100 Scale, 3-D Comprehensive Model.	5857	09/2020
51.	Mathematical Model Studies for simulation of flow over spillway aerator using computational fluid dynamics (CFD) software flow 3-D for Subansiri lower H.E. Project, Arunachal Pradesh.	5858	09/2020
<b>October- 2020</b>			
52.	Desk studies for the design of coastal Protection work at Kundapur and Kaup Taluka in Udupi district, Karnataka.	5859	10/2020

53.	Mathematical Model studies for ship maneuvering for the proposed Development of coastal Berth at old Mangalore Port, Karnataka.	5860	10/2020
54.	Mathematical Model studies for wave hind casting and storm surge analysis at Radio club near Gateway of India, Mumbai.	5861	10/2020
55.	Hydraulic Model studies of upper and lower intake for kundah Pumped storage hydro electric Project(4 x125 mw) For TANGEDCO, Tamil Nadu.	5862	10/2020
56.	Dam Break studies and Emergency planning for Khadakwasla Irrigation system, Dist. Pune, Maharashtra.	5863	10/2020
57.	Mathematical Model studies for wave tranquility for proposed Development Passenger Jetty near Radio Club Mumbai, Maharashtra.	5864	10/2020
58.	Mathematical Model studies for hydrodynamics and sedimentation for development of passenger jetty at Mandwa, Maharashtra for m/s MMB.	5865	10/2020
59.	Physical Model studies for wave tranquility for development of jetty cruise terminal at Bhagwati Bunder in Ratnagiri Dist. Maharashtra for M/S MMB.	5866	10/2020
60.	Analysis and Interpretation of seismological data for Indira Sagar Power station M.P. ( Period Jan 2016- Dec 2016).	5867	10/2020
61.	Mathematical Model studies for hydrodynamics and sedimentation for design of Passenger jetty near Radio club, Mumbai.	5868	10/2020
62.	Analysis and Interpretation of Instrumentation Data of Power House for the period Jan 2019 to Dec 2019, Indira Sagar H.E. project, M.P.	5869	10/2020
63.	Hydraulic Model studies for Modified Design of spillway and Energy Dissipater ( Stilling Basin with Apron level 1257 M) of Devsari H.E. Project, Uttarakhand; 1:40 Scale 2-D sectional Model.	5870	10/2020
64.	Numerical and Physical Model studies for elimination of desilting basins in hydroelectric projects by sediment Management through reservoir operation techniques.	5871	10/2020
<b>November -2020</b>			
65.	Mathematical Model Studies for wave tranquility and shoreline evolution for development of fish landing centre at Shirror, Alvegadde Uddpi, Karnataka.	5872	11/2020
66.	Mathematical Model Studies for Surge analysis of the rising main of Tukai Lift Irrigation Scheme, Taluka, Karjat District, Ahemdngar, Maharashtra.	5873	11/2020
67.	Hydraulic Model Studies for proposed RRTS bridge across river Hindon upstream of Hindon Barrage in Ghaziabad, U.P.	5874	11/2020

68.	Mathematical Model Studies for surge analysis of Modified Hanbarwadi Lift Irrigation scheme, Karad Taluka, Satara District, Maharashtra.	5875	11/2020
69.	Bathymetry and Sedimentation studies of Mahi Bajaj Sagar Dam, Banswara, Rajasthan.	5876	11/2020
<b>December- 2020</b>			
70.	Bathymetry survey of Khurga Reservoir in Manipur state under National Hydrology Project (NHP).	5877	12/2020
71.	Estimation of Site-Specific seismic Design parameters for Jiha Kathapur Lift Irrigation Project, Satara, Maharashtra.	5878	12/2020
72.	Drag Evaluation of Coral feet monitoring Robot (CBOT) for National Institute of Oceanography, Goa.	5879	12/2020
73.	Cross Hole Seismic tomography studies at Warna Dam, Maharashtra.	5880	12/2020
74.	Traffic Vibration Measurement Studies on Concrete Gravity Dam of Umiam Stage -I Hydro electric project Me. P.G.C.L, Meghalaya.	5881	12/2020
75.	Confidential	5882	12/2020
76.	Hydraulic Model Studies for Spillway and energy dissipator Arun-3 H.E. Project Nepal 1:70 scale 3-D comprehensive model.	5883	12/2020
77.	Hydrological Studies for the proposed River front Development along River Howrah in Agratala, Tripura.	5884	12/2020
78.	Mathematical Model Studies for evolving flood protection measures and anti-erosion works along the tributaries (Sudanwala, Konthriya Khala and Mandi Khala) of River Bata, Paonta Sahib, Himachal Pradesh	5885	12/2020
<b>January -2021</b>			
79.	Mathematical Model studies of River Mutha for Maha-Metro Rail corporation Ltd. Pune.	5886	01/2021
80.	Estimation of site-specific seismic Design Parameters for Bhatsa Major Project, Maharashtra.	5887	01/2021
81.	Desk and Wave flume studies for the design of breakwaters/training walls for the development of fish landing center at Shiroor-Alvegadde, Udupi, Dist. Karnataka.	5888	01/2021
82.	Estimation of site-specific seismic design Parameters for Dhamni Dam, Palghar, Maharashtra.	5889	01/2021
83.	Additional hydraulic model studies for power house Tailrace channel, Subansiri lower H.E. Project, Arunachal Pradesh.	5890	01/2021
84.	Mathematical Model Studies for shoreline changes due to the proposed construction of sea wall/shore Protection work at MUS in Car Nicobar Island, Andaman.	5891	01/2021

<b>February- 2021</b>			
85.	Studies to evolve suitable bank, protection works in River Ganga near Bhagalpur, Bihar.	5892	02/2021
86.	Mathematical Model studies for Hydrodynamics and siltation Around the Jetty at Jafrabad, Gujarat for M/s Ultra tech Cement Limited.	5893	02/2021
87.	Permeability testing of chandas wathoda earthen dam for reducing seepage, Amravati, Maharashtra.	5894	02/2021
88.	Desk and wave flume studies for the restoration of existing breakwater at Bhagwati Bunder Port, Ratnagiri, Maharashtra.	5895	02/2021
89.	Mathematical Model Studies for wave tranquility for the Proposed development at Porbandar Port, Gujarat.	5896	02/2021
<b>March -2021</b>			
90.	Desk and Field studies for Location and type of intake for NTPC-Railway joint venture thermal power plant, NABI Nagar, Bihar	5897	03/2021
91.	Hydraulic Model studies for desilting chamber for kholongchhu HEP, Bhutan.	5898	03/2021
92.	Mathematical Model studies to assess the wave conditions at floating storage and re-gasification unit (FSRU) for Mumbai Port.	5899	03/2021
93.	Field data collection and analysis for mathematical model studies for siltation around the jetty at Jafrabad, Gujarat for M/s Ultratech cement Ltd.	5900	03/2021
94.	Confidential	5901	03/2021
95.	Hydraulic Model Studies for spillway of Kholongchhu H.E. Project, Bhutan, 1:45 Scale 2-D sectional Model for WAPCOS Ltd.	5902	03/2021
96.	Hydraulic Model Studies for Modified spillway of Kwar H.E. Project, J&K, 1:50 Scale 2-D sectional Model.	5903	03/2021
97.	Hydraulic Model studies for Activation of Natural Channel from 4 Km Downstream of Kosi Barrage in River Kosi (Nepal Portion).	5904	03/2021
98.	Mathematical Model Studies for Evolution of Hydrodynamics for the proposed Ropax jetty at Hazira Gujarat.	5905	03/2021
99.	Mathematical Model Studies for Evolution of Hydrodynamics and Sedimentation due to proposed reclamation in Tapi Estuary for EBTL Hazira, Gujarat.	5906	03/2021
100.	Laboratory Studies for assessing suitability of Cementitious grout mix design for Grouting work of Temghar Dam Maharashtra.	5907	03/2021
101.	Desk studies for design of coastal protection works at Udawada, Taluka Pardi, Dist. Valsad, Gujarat.	5908	03/2021

102.	Physical Hydraulic model studies for development of new fish jetty for Mumbai port, Maharashtra.	5909	03/2021
103.	Hydraulic model studies for the modified design of teesta IV dam spillway, Sikkim, 1:60 Scale, 3-D comprehensive model.	5910	03/2021
104.	Desk and wave flume studies for the design of coastal protection work at mirya bay, Tal & Dist. Ratnagiri, Maharashtra.	5911	03/2021