

TECHNICAL REPORT 2021-22

Sl. No.	Title	Report No	Month/Year
April - 2021			
1.	Mathematical Model Studies for wave tranquillity for proposed Development of Passenger jetty at Janjira, Tal. Murud, District Raigad Maharashtra.	5912	04/2021
2.	Studies for determining in-situ properties of shirota masonry dam, Tata Power Company, Lonavala, Dist. Pune Maharashtra.	5913	04/2021
3.	Desk and wave flume studies for the design of protection structure/breakwater with accropode II Armour Units to the proposed main dam of Kalpasar project in Gujarat.	5914	04/2021
4.	Mathematical Model Studies for wave transformation and wave propagation for proposed reclamation in Tapi estuary for M/s. Hazira, Gujarat.	5916	04/2021
5.	Analysis and Interpretation of Instrumentation data of Power House for the period Jan-2020 to Dec-2020, Indira Sagar H.E. Project, M.P.	5917	04/2021
6.	Mathematical Model Studies for simulation of flow over spillway Aerator (Phase-II) using computational fluid dynamics (CFD) soft ware Flow-3D for Subansiri Lower H.E. Project, Arunachal Pradesh/ Assam.	5918	04/2021
May-2021			
7.	Hydraulic Model Studies for discharging capacity for full and partial gate operation of Arun-3 Dam spillway Nepal 1:50 scale 2-D sectional model.	5919	05/2021
8.	Analysis and Interpretation of Dam Instrumentation Data for the period Jan-19 to Dec-19 for spillway block 13, Indira Sagar Dam Narmada Nagar, Madhya Pradesh.	5920	05/2021
9.	Estimation of Site-Specific Seismic Design parameters for Attappady Valley Irrigation Project, Kerala.	5921	05/2021
10.	Field Data collection at New Mangalore Port, Panambur, Karnataka.	5922	05/2021
11.	Desk Studies for flood estimation & evaporation losses for River Rejuvenation & Development for Pawana and Indrayani Rivers in PCMC, Maharashtra.	5923	05/2021
12.	Mathematical Model Studies for Littoral Drift distribution & Shoreline changes at Kuttiady River mouth, Kottakal, Kerala.	5924	05/2021
13.	Mathematical Model Studies to determine the Littoral Drift movement in the Vicinity of existing New Mangalore Port, Mangalore, Karnataka.	5925	05/2021
June-2021			
14.	Studies for determining in-situ properties of Walwan Masonry Dam, Tata power company, lonavala, Dist. Pune, Maharashtra.	5926	06/2021
15.	Hydraulic Model Studies for discharging capacity for full and partial gate operation of Pakal Dul Dam spillway, J&K, 1:40 Scale 2-D Sectional Model.	5927	06/2021
16.	Mathematical Model Studies for evolving suitable flood protection works along river beas and its tributaries from Palchan to Aut, Himachal Pradesh.	5928	06/2021

17.	Estimation of site specific seismic design Parameters for Selim Hydro Electric Project (SHEP), Meghalaya.	5929	06/2021
18.	Performance and overload tests of sample submersible pump sets for Irrigation Department Uttar Pradesh, Lucknow 2020-2021.	5930	06/2021
19.	Mathematical Model Studies for Evaluating Hydrodynamics & Sedimentation for Estimating Dredging operation in the port of Mandvi Gujarat for GMB.	5931	06/2021
July-2021			
20.	Analysis of past seismological data of Sankosh basin for the period October 2003 to July 2015.	5932	07/2021
21.	Mathematical model studies for Littoral drift and shoreline changes for providing infrastructure for fishermen at Navabag, Vengurla Dist. Sindhudurg Maharashtra.	5933	07/2021
22.	Seismic Hazard Assessment of North and North East India under DRIP, CWC, Delhi.	5934	07/2021
23.	Hydraulic Model Studies for Discharging capacity with full and partial gate operation of Devsari Dam spillway, Uttarakhand 1:40 Scale 2-D Sectional Model.	5935	07/2021
24.	Mathematical Model Studies for flood mitigation upstream of Nandur-Madhyameshwar Weir on river Godavari, Tal. Niphad, Nashik, Maharashtra.	5936	07/2021
25.	Physical & Numerical Model Studies for Single tunnel spillway of Pakaldul Dul H.E. Project, J&K, 1:25 Scale, 3-D Comprehensive Model.	5937	07/2021
26.	Hydraulic Model Studies for additional spillway of Hirakud Dam Odisha, 1:40 Scale, 2-D Sectional Model.	5938	07/2021
27.	Hydraulic Model Studies for Modified spillway of Kwar H.E. Project, J&K , 1:50 Scale 2-D Sectional Model.	5939	07/2021
28.	Desk studies on estimation of flood at various Railway bridges of Daund-Kalaburagi Line Doubling Project for Railway Vikas Nigam Ltd. Mumbai.	5940	07/2021
August-2021			
29.	Desk studies for protective work of Damaged stone Embankment due to cyclone Vayu at Coast Guard Jetty at Porbandar for M/s K.K. Construction. Co. Gujarat.	5941	08/2021
30.	Evaluation of properties of geotextile Material of geo tubes received from port Division, Sindhudurg, Maharashtra.	5942	08/2021
31.	Determining in-situ strength parameters of Bhatsa Masonry dam, Dist. Thane, Maharashtra.	5943	08/2021
32.	Hydraulic model studies for desilting basin for Teesta-VI H.E. project, Sikkim.	5944	08/2021
33.	Review of hydrologic, hydraulic and flood plain model of canal system for Kochi IURWTS.	5945	08/2021
34.	Mathematical Model studies for Littoral drift and Shoreline changes for Mirya Bay Ratnagiri Maharashtra State.	5946	08/2021
35.	Mathematical Model studies for Hydrodynamics and Siltation for the development of Jetties at Kalingapatnam, Bheemunipatnam, Kakinada and Mypadu in A. P. for APTDC.	5947	08/2021
36.	Mathematical Model Studies for Assessment of wave tranquillity and littoral Drift for Development at Jetty at Manginapudi for APTDC.	5948	08/2021
37.	Additional Hydraulic Model Studies for Modified approach channel with upstream guide bund and modified spillway channel of Polavaram Irrigation project, Andhra Pradesh, 1:140 Scale 3D	5949	08/2021

	Comprehensive Model.		
September-2021			
38.	Mathematical model studies to safely pass flood in river Ghaggar in the states of Haryana and Punjab.	5950	09/2021
39.	In-situ Hydraulic testing of casing inlet pipe for Barapole SHEP of KSEB, Kerala for Kirloskar Brothers Limited, Pune.	5951	09/2021
40.	Desk and 2-D wave flume studies for the design of revised breakwater cross-section for the development of port at Vadhavan, Maharashtra.	5952	09/2021
October-2021			
41.	Desk Studies for the design of coastal protection work for sewage treatment plant at Colaba, Mumbai, Maharashtra.	5953	10/2021
42.	Hydraulic Model Studies for bank protection works in river Ganga near Bhagalpur, Bihar.	5954	10/2021
43.	Determination of In-situ density by nuclear borehole logging at Warna Dam, Tal. Shirala Dist. Sangli, Maharashtra.	5955	10/2021
44.	Performance test on 115 MW turbine unit no. 6 at Salal Power Station of National Hydro power corporation (NHPC), Jammu & Kashmir.	5956	10/2021
45.	Wave transformation studies to access the wave conditions at proposed new fish jetty for Mumbai port.	5957	10/2021
46.	Field data collection for development of jetty at Bhagwati Bunder, Ratnagiri, Maharashtra.	5958	10/2021
47.	Geophysical Investigations to map the existence of concealed cavities if any, at Sripada Yellampally Dam, Peddapally, Telengana.	5959	10/2021
November-2021			
48.	Sedimentation Survey of Kadana Dam, Kadana Village, Mahi Sagar District, Gujarat.	5960	11/2021
49.	Mathematical Model Studies to assess littoral drift and shoreline changes due to proposed extension of groynes at Kozhikode, Kerala.	5961	11/2021
50.	Witness test of pump sump model studies of Kalisindh Lift Irrigation Scheme pump house I for Hydro Modelling & Solutions, Sangli.	5962	11/2021
51.	Efficiency Test of Turbine Unit (1No.) at Chiplima Power House of OPGCL, Odhisa for M/s. Voith Hydro Pvt. Ltd., Noida, U.P., India.	5963	11/2021
52.	Desk studies for protection of left bank of river Godavari at Purushothapatnam East Godavari Dist. Andhra Pradesh.	5964	11/2021
53.	Mathematical Model Studies for wave transformation at proposed coast guard jetty at Okha, Gujarat.	5965	11/2021
54.	Desk and wave flume studies for the extension of breakwater at Campbell Bay A&N Island.	5966	11/2021
55.	Field investigation to suggest proper flow measuring installation at the site of Usha Martin Ltd, Ranchi.	5967	11/2021
56.	Mathematical Model Studies for tidal Hydrodynamics & Siltation for the revised layout phase-I and master plan of Vadhavan Port for M/s. J.N. Port.	5968	11/2021
57.	Mathematical Model Studies for identification of dumping ground location for dredged material for M/s. Kokan LNG Private Ltd. (KLPL) at Anjanwel, Ratnagiri, and Maharashtra.	5969	11/2021
58.	Mathematical Model Studies to assess the impact of proposed capital dredging on tidal Hydrodynamics of nearby area of proposed port at Vadhavan.	5970	11/2021

59.	Mathematical Model Studies for assessment of wave tranquillity for the development of modified final layout for the proposed port at Vadhavan, Maharashtra.	5971	11/2021
60.	Mathematical Model Studies for the shoreline changes for the proposed development of fishing harbour at Tadadi, Uttar Kannada, Dist. Karnataka.	5972	11/2021
61.	Hydraulic Model Studies for downstream surge gallery and tailrace tunnel of Punatsangchhu H. E. Project, Bhutan 1:35 scale 3-D Comprehensive Model.	5973	11/2021
62.	Surge analysis and suggesting surge protection Device for Pipeline of Bokaro Steel Plant, SAIL, Bokaro.	5974	11/2021
63.	Performance test of 4 X 75 MW Hydro Power Plant, Ukai Dam for Gujarat State Electricity Corporation Limited.	5975	11/2021
64.	Mathematical Model Studies for the Hydrodynamics and Sedimentation for the proposed Development of Fishing Harbour at Tadadi, Uttar Kannada, Dist. Karnataka.	5976	11/2021
65.	Hydraulic Model Studies for Assessment of Scour downstream of Arun-3 Dam Spillway, Nepal ; 1:70 scale 3-D Comprehensive Model.	5977	11/2021
January-2022			
66.	Studies for the design cross-section of western (main) breakwater extension for the development of fishery harbour at Thengapattinam, Tamil Nadu.	5978	01/2022
67.	Mathematical model studies for wave tranquillity and shoreline changes due to proposed extension at the Thengapattinam fishing harbour in Kanniyakumari District, Tamil Nadu.	5979	01/2022
68.	Mathematical model studies for simulation of flow over spillway Aerator (Phase-III) using computational fluid Dynamics (CFD) software 'Flow-3D' for Subansiri Lower H.E. Project, Arunachal Pradesh/ Assam.	5980	01/2022
69.	Mathematical model studies for wave tranquillity for the proposed extension of Breakwater at MUS in Car Nicobar.	5981	01/2022
70.	Mathematical Model Studies for wave transformation and wave propagation for proposed third stage breakwater extension and wharf at Androth Island, Lakshadweep.	5982	01/2022
71.	Physical Model studies for wave tranquillity to assess the effect of Vizhinjam International Seaport, Kerala on the Existing fishing harbour.	5983	01/2022
72.	Mathematical model studies to assess sedimentation in approach channel and to evolve dredging plan for NMPT, Mangalore, Karnataka.	5984	01/2022
73.	Desk studies on flood hydrographs in the Dahanu Creek for Greenfield Vadhavan Port project, Maharashtra.	5985	01/2022
74.	Mathematical model studies for wave tranquillity for proposed development of breakwater on eastern side of Minicoy Island, Lakshadweep.	5986	01/2022
75.	Desk and wave flume studies for the design of breakwater/training wall for development of Anjarle fishery harbour at Dapoli, District Ratnagiri Maharashtra.	5987	01/2022
76.	Beach data collection and mathematical model studies for shoreline changes due to proposed construction of Breakwater at Anjarle, Taluka Dapoli, District Ratnagiri, Maharashtra.	5988	01/2022

77.	Mathematical model studies for surge analysis of the rising main of Krishna Marathwada LIS-I stage-2 (Sinakdegaon to Sakat M.P.) Osmanabad, Maharashtra.	5989	01/2022
78.	Hydraulic model studies for assessment of scour downstream of Teesta-IV Dam spillway, Sikkim, 1:60 scale 3-D comprehensive model.	5990	01/2022
79.	Mathematical model studies for tidal hydrodynamics and sedimentation due to proposed breakwater at sea side of eastern side jetty at Minicoy island, Lakshadweep.	5991	01/2022
80.	Hydraulic model studies for discharging capacity for full and partial gate operation for orifice spillway of kiru H.E. project, kishwar, J&K- 1:50 scale 2D sectional model.	5992	01/2022
February-2022			
81.	Mathematical Model Studies for hydrodynamics and siltation of the proposed coast guard jetty at Cochin Port, Cochin	5993	02/2022
82.	Desk and Wave Flume Studies for the design of breakwater/ training wall for development of fishery harbour at Tadadi, Uttara Kannada District, Karnataka	5994	02/2022
83.	Field data collection and Mathematical Model Studies for Hydrodynamics and Sedimentation for development of Passenger Jetty at Janjira, Tal. Murud, District Raigad, Maharashtra	5995	02/2022
84.	Mathematical Model Studies for evolving flood protection / anti-erosion measures for Rissa Soan, Kamlah, Dodar, Guger, Tawari, Kalswai, Gantrailu Khads and their tributaries in Dharampur, Mandi, Himachal Pradesh	5996	02/2022
85.	Mathematical Model Studies for evolving flood protection / anti-erosion measures for Kalthari and Jabothani Khads in Sarkaghat, Mandi, Himachal Pradesh	5997	02/2022
86.	Mathematical Model Studies for evolving flood protection/ anti-erosion measures for Bakkar, Masot Janghi, Badohal., Bhoor, Chakdoh Khads and Choo Nallah in Sandhol, Mandi, Himachal Pradesh	5998	02/2022
87.	Drag Force Measurement on pontoons for Floating Foot Bridge at Various Submergence levels and Cross Flow Angles for Research and Development Establishment (Engineers), DRDO, Dighi, Pune, Maharashtra	5999	02/2022
88.	Hydraulic model studies for desilting chamber for Kholongchhu HEP Bhutan (Report No. 2).	6000	02/2022
89.	Desk and wave flume studies for the design cross sections for proposed extension of South breakwater & groynes at Paradip Port, Odisha.	6001	02/2022
90.	Mathematical model studies for Hydrodynamics and Sedimentation for Shiroor Alvegadde Fishing Harbour, Karnataka.	6002	02/2022
91.	Mathematical model studies for sediment deposition & flushing for Lower Seti HPP, Dist. Tanahu, Nepal.	6003	02/2022
92.	Mathematical model studies for tidal hydrodynamics & siltation for the development of fourth container terminal (Phase-II) at JN Port.	6004	02/2022
March-2022			
93.	Design of cementitious shotcrete mix through laboratory studies for controlling seepage through the upstream face of Dhamni Dam, Surya major Project, Palghar, Maharashtra.	6005	03/2022
94.	Laboratory studies towards cementitious grout material mix design for controlling seepage of Dhamni Dam, Surya Major Project, Palghar,	6006	03/2022

	Maharashtra.		
95.	Mathematical model studies to access the variation in existing afflux due to modification in the waterway arising out of strengthening the bridge piers for three railway bridges on Daund-Kalaburagi line doubling project for Railway Vikas Nigam Limited, Mumbai.	6007	03/2022
96.	Geotechnical studies for seepage and stability analysis of zoned earth dam of Mallannasagar reservoir, Telangana.	6008	03/2022