

TECHNICAL REPORT 2022-23

Sl. No.	Title	Report No	Month/Year
April-2022			
1.	Hydraulic Model Studies for proposed activation of Natural channel from 4 Km downstream of Kosi barrage in a length of 14 Km in River Kosi, Bihar.	6009	04 /2022
May-2022			
2.	Hydraulic model studies for Discharging capacity for full and partial Gate operation for the modified design of Teesta-IV Dam spillway, Sikkim 1:60 Scale, 3-D Comprehensive Model.	6010	05/2022
3.	Estimation of Site-specific Design parameters for Kirthai-II HE Project, Jammu & Kashmir.	6011	05/2022
4.	Analysis and Interpretation of Instrumentation Data of Power House for the period Jan 2021 to Dec 2021 Indira Sagar H.E. Project, M.P.	6012	05/2022
5.	Estimation of site Specific seismic design parameters for Sarasvati River Rejuvenation and its Heritage Development Project, Haryana.	6013	05/2022
6.	In-situ quality assessment by NDT of Power House structure, Rengali HEP Rengali OHPC Ltd, Odisha.	6014	05/2022
7.	Mathematical Model studies for Surge Analysis for Rising Main of Talodhi Mokosa Lift Irrigation Scheme Tah. Charmoshi Dist. Chandrapur, Maharashtra.	6015	05/2022
8.	Estimation of site-specific seismic design parameters for Kondhane Dam Project, Raigad District, Maharashtra.	6016	05/2022
June-2022			
9.	Geotechnical Seepage studies for Zoned earth dam of Kurumurthiraya Reservoir, Telangana.	6017	06/ 2022
10.	Mathematical model studies for the hydrodynamics and sedimentation for the proposed fisheries harbour at Anjarle Ratnagiri Dist. Maharashtra.	6018	06/ 2022
11.	Analysis and Interpretation of Dam Instrumentation Data for the period January 2019 to December 2020 of Indira Sagar Dam, Narmada Nagar, M.P.	6019	06/ 2022
12.	Mathematical model studies for evaluating hydrodynamics and sedimentation for estimating dredging operation in the port of Bhavnagar, Gujarat, for GMB.	6020	06/ 2022
13.	Desk and wave flume studies for the design of protection structure/breakwater with Xblocplus armour units to the proposed main dam of Kalpasar Project, Gujarat.	6021	06/ 2022
14.	Mathematical model studies for Hydrodynamics and estimation of sedimentation for the old port at Bedi, Gujarat.	6022	06/ 2022

15.	Field investigation and mathematical model studies for coastal processes, shoreline changes and associated sediment transport along Karnataka coast.	6023	06/ 2022
16.	2D stress analysis of FEM of 3 Sections namely block No. 35, 44 & 47 of SardarSarovar dam SSNL, Gujarat.	6024	06/ 2022
17.	Surge analysis and suggesting anti surge devices for rising mains of NER I & II lift irrigation scheme of JiheKathapurKoregaon, Satara, of Maharashtra.	6025	06/ 2022
July-2022			
18.	Analysis And Interpretation of Dam Instrumentation Data For Period January 2019 To December 2019 for Non-Overflow Block 25, Indira Sagar Dam, M.P.	6026	07/2022
19.	Determining In-Situ stiffness parameters by Flat Jack Test of Bhandardara Masonry Dam, Tal. Akole, Dist. Ahmednagar, Maharashtra.	6027	07/2022
20.	Analysis and Interpretation of Micro earthquake Data for KuriGongri H.E. Project, Bhutan.	6028	07/2022
21.	Mathematical Model Studies for wave tranquility and shoreline changes due to proposed construction of Groyne Type of Anti-Erosion bund for Development of Fishing Harbour at Mulgaon, TalukaShrivardhan, District Raigad, Maharashtra.	6029	07/2022
22.	Mathematical Model Studies For Storm Wave Hindcasting& Storm Surge And Review Of Safe Grade Elevation For BARC At Trombay, Mumbai.	6030	07/2022
23.	Performance testing of High Head Twin Centrifugal Pump for Toyam Technologies India Pvt. Ltd., Pune.	6031	07/2022
24.	Desk and wave flume studies for the Design of Breakwaters for the Development of Fishing Harbour at Arjipalli (Gopalpur), Ganjam District, Odisha.	6032	07/2022
25.	Mathematical model studies to assess hydrodynamics and sedimentation due to proposed jetty at northern side of existing turning circle and its impact on Essar Bulk terminal for M/S. EBTL Hazira, Gujarat.	6033	07/2022
August-2022			
26.	Assessment study for diversion of MahalaninaNala passing over the Chakla Coal Block at Chandwa, Jharkhand.	6034	08/ 2022
27.	Additional assessment study for diversion of river Sukri passing through tubed Coal Block near Latehar, Jharkhand.	6035	08/ 2022
28.	Mathematical model studies for wave tranquillity and shoreline evolution for development of fisheries Harbour at Arjipalli, Odisha.	6036	08/ 2022
29.	Field data collection and mathematical model studies for development of proposed Jetty for M/S Dev salt Pvt. Ltd. at Morbi, Gujarat.	6037	08/ 2022

30.	Testing of fire water submersible pump of 400 M ³ /Hr at 150 M head capacity driven by diesel engine at CWPRS , Pune for Hitech Solutions pvt.ltd. Mumbai.	6038	08/ 2022
31.	Mathematical model studies for routing of flood with provision of embankments along river Pawana, Pune, Maharashtra.	6039	08/ 2022
32.	Hydrographic survey for siltation study of storage reservoir at ordinanceFactoryKhamaria, Jabalpur, M.P.	6040	08/ 2022
33.	Physical model studies for wave tranquillity for development of port infrastructure at Kamorta bay, Andaman-Lakshadweep harbour works.	6041	08/ 2022
34.	Wave tranquillity studies on upgraded physical model of Kamarajarport Chennai, Tamil Nadu.	6042	08/ 2022
35.	Mathematical model studies for surge analysis of Bambawade lift Irrigation scheme stage-II, part-I TalukaPatan Dist. Satara Maharashtra.	6043	08/ 2022
36.	Mathematical model studies for surge analysis of Bambawade lift Irrigation scheme stage-II, part-II TalukaPatan Dist. Satara Maharashtra.	6044	08/ 2022
37.	Mathematical model studies for wave tranquility to assess the effect of development of Vizhinjam Seaport (V&S) on fishing harbor, Kerala.	6045	08/ 2022
38.	Desk and wave flume studies for the desing of breakwater bank protection for the development of fishery harbour at Mulgaon District Raigad, Maharashtra.	6046	08/ 2022
September-2022			
39.	Mathematical model studies for evolving flood protection measures along Sutlej River and its tributaries in Tehsil pooh Dist. Kinnaur, Himachal Pradesh.	6047	09/2022
40.	Comprehensive report based on the site inspection regarding KosiMahasetu guide bund, downstream of Kosi barrage, Bihar.	6048	09/2022
41.	Mathematical model studies for flood protection measures of Jabbarkhad, Himachal Pradesh.	6049	09/2022
42.	Mathematical model studies for flood protection measures of ChhaounchhKhad, Himachal Pradesh.	6050	09/2022
43.	Mathematical model studies for flood protection measures of GarekiKhad, Himachal Pradesh.	6051	09/2022
44.	Mathematical model studies for surge analysis of Tarali Lift Irrigation scheme stage II, Taluka: Patan, District :Satara Maharashtra.	6052	09/2022
45.	Measurement of water discharge through penstock of Koyna stage I & II generating units of Koyna HEP.	6053	09/2022
46.	Hydraulic model studies for auxiliary spillway with downstream guide wall for Indira Sagar dam spillway, Madhya Pradesh.	6054	09/2022
47.	Mathematical model studies for the shoreline changes for the proposed development of fishing harbour at Alvedande, Uttarkannada Dist. Karnataka	6055	09/2022
48.	Wave transformation studies to assess the wave conditions at fourth container terminal (Phase-II) at JN port.	6056	09/2022

49.	Hydrographic survey for capacity assessment of Rihand Reservoir, at Sonbhadra, Uttar Pradesh.	6057	09/2022
50.	Hydraulic model studies for Hathnikund barrage, Haryana.	6058	09/2022
51.	Numerical and physical model studies for elimination of desilting basins in hydroelectric projects by sediment management through reservoir operation techniques.	6059	09/2022
October-2022			
52.	Mathematical model studies for Hydrodynamics and sedimentation for development of fishing harbour at Alvedande, Uttar Kannada Dist. Karnataka.	6060	10/2022
53.	Mathematical model studies for wave hindcasting and storm surge analysis for proposed development of multipurpose harbour at Maipe, Karnataka.	6061	10/2022
54.	Mathematical model studies for surge analysis of modified layout of Dhargarwadi lift irrigation scheme stage-I, Karadtaluka Dist. Satara, Maharashtra.	6062	10/2022
55.	Hydraulic model studies for the spillway of Kwar hydroelectric project, Jammu & Kashmir, 1:70 scale 3-D comprehensive model.	6063	10/2022
56.	Mathematical model studies for wave hindcasting and storm surge analysis at Byndur Karnataka.	6064	10/2022
November-2022			
57.	Mathematical model studies for the development of new Anchorages in Mumbai harbour for Mumbai Port.	6065	11/2022
58.	Borehole logging for seepage studies at Bhasta Dam, Maharashtra	6066	11/2022
59.	Mathematical model studies for hydrodynamics and sedimentation for the proposed expansion of jetty at Salaya, Gujrat for M/s. Essar Bulk Terminal, Salaya Ltd.(EBTSL)	6067	11/2022
60.	Dam break studies and emergency action planning for Kurumurthyra reservoir, Telangana	6068	11/2022
61.	Measurement of water discharge through penstock of Koyna stage IV generating units for MAHAGENCO Pophali.	6069	11/2022
December-2022			
62.	Estimation of site specific seismic design parameters for Sillahalla pumped storage hydroelectric project, Tamilnadu.	6070	12/2022
63.	Analysis and interpretation of dam instrumentation for the period January 2020 to December 2020 for non overflow black 25, Indira Sagar Dam, MP	6071	12/2022
64.	Mathematical model studies for wave tranquility and shoreline changes for proposed development for Ro-Ro jetty at Revdanda, Tal. Alibaug, District Raigad, Maharashtra.	6072	12/2022
65.	HMS for spillway and power intake of Polavaram irrigation project, Andhra Pradesh, 1:140 scale 3D comprehensive model.	6073	12/2022
66.	Desk and wave flume studies for the design of breakwaters for development of fishery harbor at Alvedande, Uttara Kannada district, Karnataka.	6074	12/2022

67.	Mathematical model studies for wave tranquility for fish landing center at Bhatodi and UttanPatan, Thane District, Maharashtra.	6075	12/2022
68.	Hydraulic model studies for modified design of spillway and energy dissipater for Devsari H.E. Project Uttarakhand, 1:60 scale 3-D comprehensive model.	6076	12/2022
69.	Measurement of water discharge through penstock of Koyna stage III generating units of MAHAGENCO Pophali.	6077	12/2022
70.	Efficiency evaluation of turbine units(2X 40MW) of Bhira tail race hydro power station	6078	12/2022
71.	Analysis and resolution of deficit discharge in the Rajasthan portion of Narmada main canal(Field studies for assessing discharging capacity of Narmada main canal near Gujarat-Rajasthan border near Gujarat-Rajasthan border and Mathematical model studies for assessing discharging capacity of Narmada main canal near Gujarat Rajasthan border)	6079	12/2022
January-2023			
72.	Hydraulic model studies for spillway and energy dissipater of Lakhwar multipurpose dam project, Uttarakhand, 1:60 scale 2D sectional model.	6081	01/ 2023
73.	Hydraulic model study for Syphon structure on Koparde approach canal, Tarali Irrigation project, Taluka-Patan, District- Satara, Maharashtra, 1:20 scale 3D comprehensive model	6082	01/ 2023
74.	Mathematical model studies for evolving suitable flood management/ anti erosion measures along river Chenab, Jammu & Kashmir	6083	01/ 2023
75.	Hydraulic model studies for removal of silt from Durgapur barrage pond, West Bengal.	6084	01/ 2023
76.	Mathematical model studies for evolving flood protection measures and anti erosion works along the tributaries (Nimbuwala, Kodewala, Devwala, Dhonwala and LohgarhKhala) of river Yamuna Paonta Sahib, Himachal Pradesh.	6085	01/ 2023
77.	Desk and wave flume studies for the design of breakwater for Ro-Ro jetty at Revdanda, Alibaug, Dist. Raigad, Maharashtra.	6086	01/ 2023
78.	Desk studies for the design of coastal protection work at Silver beach, Erangal beach and Danapani beach at Mumbai suburban, Maharashtra.	6087	01/ 2023
79.	Monitoring of blast vibrations during the dismantling of old anicut at Jobra, Mahanadi barrage, Cuttack, Odisha	6089	01/ 2023
80.	Desk and wave flume studies for the design of coastal protection work from Bhidia village to Somnath temple, Taluka. Veraval, Dist. GirSomanath, Gujarat.	6090	01/ 2023
81.	Head loss/ field measurement test in water conductor system of BairaSium Power Station. Himachal Pradesh.	6091	01/ 2023
82.	Desk and wave flume studies for the design of offshore breakwater at Janjira fort in Raigad district, Maharashtra.	6092	01/ 2023
83.	3D stress analysis by FEM of one penstock bifurcation, Arun-III, HEP, SJVN Ltd., Shimla, Himachal Pradesh	6093	01/ 2023
February-2023			

84.	2D stress analysis by FEM of 3sections namely block no 35,44 and 47 of SardarSarovar dam, SSNNL, Gujarat.	6094	02/2023
85.	Studies for determining In-situ properties of Kalzondi Masonry dam, District- Ratnagiri, Maharashtra.	6095	02/2023
86.	Mathematical model studies for hydrodynamic and sedimentation for development of jetty and cruise terminal at Bhagwatibunder in Ratnagiri District, Maharashtra.	6096	02/2023
87.	Hydraulic model studies for spillway of Kiru H. E. project, Kishtwar, U.T. of Jammu & Kashmir, 1:75 scale 3D comprehensive model.	6097	02/2023
88.	Desk studies for the location of intake and its hydraulic design in Chambal river for water supply to Morena city, Madhya Pradesh.	6098	02/2023
89.	Mathematical model studies for wave tranquility for proposed development of Belekeri fishing harbour in Ankola Taluka of Uttar Kannada, Karnataka.	6099	02/2023
90.	Mathematical model studies for assessment of wave tranquility for proposed development of integrated GurupuraNetravati at Old Manglore , Karnataka.	6100	02/2023
91.	Site calibration of full bore electromagnetic and insertion type ultrasonic flowmeters installed at Shinganapur Head Works and Balinga Water Works for Kolhapur Municipal Corporation.	6101	02/2023
92.	Dam break analysis and flood zone mapping for emergency action planning of Naptha dam, Kinnaur, Himachal Pradesh for M/s SJVN.	6102	02/2023
93.	Estimation of average shear wave velocity (Vs 30) at Kondhane dam site, Maharashtra for M/s CIDCO Mumbai.	6103	02/2023
94.	Efficiency evaluation of turbine units (1X 12 MW) of Ujjani Hydro Power Station.	6104	02/2023
95.	Hydrographic survey for capacity assessment of breakwater reservoir at BkTPP, Birbhum, West Bengal.	6105	02/2023
96.	Mathematical model studies to assess the wave conditions for extension of existing jetties at Bandra for MSRDC, Mumbai.	6107	02/2023
97.	Mathematical model studies to assess the flow conditions for extension of existing jetties at Bandra, Mumbai.	6108	02/2023
98.	Estimation of average shear wave velocity (Vs 30) at Kathakal irrigation project site, Assam.	6109	02/2023
99.	Mathematical model studies for routing of flood with provision of embankment along the river Indrayani, Pune, Maharashtra.	6110	02/2023
March-2023			
100.	Desk and wave flume studies for the design of breakwater for the development of fishery harbour at Belekrri, Uttara Kannada, Dist. Karnataka	6111	03/2023
101.	Wave flume studies for the design of breakwaters for greenfiled port at Ramayapatnam, Nellore Dist., Andhra Pradesh	6112	03/2023
102.	Studies for determining In-situ strength parameters of MIDC Ransai masonry dam, Dist. Raigad, Maharashtra	6113	03/2023
103.	Laboratory studies for designing suitable cementitious grout mix for controlling seepage through dam body of Bhatsa dam, Thane, Maharashtra	6114	03/2023
104.	Hydraulic model studies for desilting chamber of Kholongchhu H. E. project, Bhutan	6115	03/2023

105.	Hydrographic survey of Dhruwa reservoir, Getalsud reservoir and Tenughat reservoir in the State of Jharkhand under National Hydrology Project	6116	03/2023
106.	Mathematical model studies for evaluating hydrodynamics and sedimentation for estimating dredging operation in the port of Navlakhi, Gujarat for GMB	6117	03/2023
107.	Analysis and interpretation of instrumentation data of power house for the period January 2021 to December 2022, Indira Sagar Power Station, Narmada Nagar, Khandwa, MP	6118	03/2023
108.	Desk studies for the design of seawall at Okha, Porbandar, Gujarat	6119	03/2023
109.	Desk and wave flume studies for the design of breakwater at Neil Island, Andaman & Nikobar Islands	6120	03/2023
110.	Desk studies for the design of coastal protection work for 30" DPPL CNG pipeline near Dabhol, Dist. Raigad, Maharashtra	6121	03/2023
111.	Mathematical model studies for hydrodynamics and siltation for fish landing centre at Navabag, Vengurla, Maharashtra	6122	03/2023
112.	Mathematical model studies for assessment of wave tranquillity for the development of multipurpose harbour for Marina facility at Byndoor, Karnataka	6124	03/2023
113.	Mathematical model studies for hydrodynamics and sedimentation for the development of Ro-Ro jetty at Revadanda, Tal. Alibag, Dist. Raigad, Maharashtra	6125	03/2023
114.	Mathematical model studies for wave tranquillity and shoreline changes due to proposed development of captive passenger jetty at Theronda village at Alibag, Dist. Raigad, Maharashtra	6126	03/2023
April 2023			
119	Analysis interpretation of dam instrumentation data up to December 2022 for Polavaram concrete gravity dam, Andhara Pradesh.	6127	04/2023
120	Efficiency evaluation of turbine unit (1x16 MW) of Bhatghar Hydro Power Station	6128	04/2023
121	Hydraulic model studies for modified design of spillway with stilling basin as energy dissipater of Punatsangchhu-I H.E. project, Bhutan, 1:70, G.S. 3-D comprehensive model.	6129	04/2023
May 2023			
122	Mathematical model studies to assess hydrodynamic conditions for the proposed bank protection work at village Borsi-Machiwad Tal. Jalapore Navsari Gujarat.	6130	05/2023
123	Desk Studies for navigation and ship manoeuvring for the proposed dedicated Lakshadweep jetty at old Mangalore Port, Karnataka.	6131	05/2023
124	Mathematical model studies for wave tranquillity for the proposed development at Saheed Dweep (Neil Island), Andaman and Nicobar.	6132	05/2023
125	Mathematical model studies to assess the impact of proposed multipurpose jetty terminal on the flow field of Panvel creek for M/s. Shri Saibaba sand dredging company Pvt. Ltd.	6133	05/2023
126	Mathematical model studies to assess the impact of proposed multipurpose jetty terminal on the flow field of Panvel creek for M/s. famous dredging corporation.	6134	05/2023

127	Estimation of site specific seismic design parameters for Kathkal Irrigation Project Assam.	6135	05/2023
128	Studies for location and hydraulic design of cooling water intake in Mahi Bajaj Sagar reservoir for proposed Mahi Banswara Rajasthan Atomic Power Project (MBRAPP) of NPCIL Banswara, Rajasthan.	6136	05/2023
129	Mathematical model studies for hydrodynamics and sedimentation for development of dedicated Lakshdweep jetty, Old Manglore Port, Manglore, Karnataka.	6137	05/2023
June-2023			
130	Mathematical model studies for hydrodynamics and sedimentation for development of waterway in Gurupura and Netravati River for ports & inland water Transport Department Karwar, Karnataka.	6138	06/2023
131	Mathematical modelling studies hydrodynamics and sedimentation due to proposed construction Anit-Erosion bund for development of fishing harbour at Mulgaon, Taluka Srivardhan, Dist. Raigad, Maharashtra.	6139	06/2023
132	Desk and Wave flume studies for the design of coastal hydraulic structures with utilization of steel slag for M/s. JSW Steel Limited, Dolvi Maharashtra.	6140	06/2023
133	Backwater studies and preparation of inundation maps for padalse weir on River Tapi Maharashtra.	6141	06/2023
134	Mathematical model studies for assessment of wave, Climate near spillway area for proposed Kalpsar Dyke in Gujarat.	6142	06/2023
135	Assessment of water in vadation (if any)using satellite Remote Sensing Techniques for the proposed MAHDA residential layout mass housing scheme at S.No.392 (PT) of village Bolinj & S. No. 376(Pt) of village Virar, Tal. Vasai, Dist Palghar.	6143	06/2023
136	Analysis and Interpretation of dam Instrumentation data up to December-2022 for Polavaram Concrete Gravity Dam A.P.	6144	06/2023
137	Studies Dimensional investigation of similar Centrifugal pumps for M/s. Kirloskar Brothers Limited Pune	6145	06/2023
138	Efficiency evaluation of turbine unit 2x8 MW of Warana hydro power station.	6146	06/2023
139	Physical wave model studies for development do Kakinada gateway Port East Godavari district, Andhra Pradesh.	6147	06/2023