

TECHNICAL REPORT 2014-15

Sl. No.	Title	Report No.	Month/Year
April - 2014			
1.	Estimation of suitable placement temperature for mass concrete mix for Bham dam, Maharashtra	5170	04/2014
2.	Desk studies for the design of coastal protection work of Shrivardhan, Dist. Raigad	5171	04/2014
3.	Hydraulic model studies for reservoir sedimentation and flushing Devsari HE Project, Uttarakhand	5172	04/2014
4.	Mathematical model studies for tidal hydrodynamics and sedimentation for the proposed development of training walls/groynes in the mouth of Theronda Creek in Raigad, Maharashtra	5173	04/2014
5.	Area drainage studies for proposed power plant of RIL at Hazira	5174	04/2014
6.	Hydraulic model studies for assessment of scour downstream of Salma Dam Spillway, Afghanistan	5175	04/2014
7.	Desk studies for the design of coastal protection works for PFBR plant site at Kalpakkam, Tamil Nadu	5176	04/2014
8.	Morphological studies to assess the changes in plan form of river Ganga near intake of Kahalgaon 3TPP of NTPC, Bihar	5177	04/2014
May - 2014			
9.	Efficiency tests on 2 x 4.5 mw turbine units at Veer Hydro Electric Project, Dist. Satara, Maharashtra	5178	05/2014
10.	3D Stress Analysis by FEM of Bay area of spillway gate No.1 Telengiri Dam, Odisha	5179	05/2014
11.	Wave tranquillity studies for the proposed mega container terminal of Tekra near Tuna, Kandla Port	5180	05/2014
12.	Desk studies to assess the effect of development of coal berth 3 and 4 on the shoreline at Kamarajar Port, Ennore	5181	05/2014
June - 2014			
13.	Extreme value analysis of meteorological data for Banswara Nuclear Power Project, Rajasthan	5182	06/2014
14.	Estimation of site specific seismic design parameters for	5183	06/2014

	Bansuraja Dam, M.P.		
15.	Storm surge analysis for the proposed thermal power plant of RIL at Hazira, Gujarat	5184	06/2014
16.	Bank protection works for the proposed power plant of M/s Reliance Inductor Ltd. At Hazira, Gujarat	5185	06/2014
17.	Storm measurement in penstock bifurcations 1 & 2 during prototype/ in-situ Hydrostatic test Teesta-III HE project, Sikkim	5186	06/2014
18.	Hydraulic model studies for extended ski-jump bucket for spillway of subansiri lower dam, Arunachal Pradesh	5187	06/2014
19.	Physical model studies for the layout of the proposed offshore break-water at Paradip Port, Odisha	5188	06/2014
20.	Assessment of quality of colgrout masonry of Tarali Dam, Satara, Maharashtra	5189	06/2014
21.	Mathematical model studies for wave tranquility in the area of proposed RO-RO jetty at Jaitapur, Maharashtra	5190	06/2014
22.	Mathematical model studies for tidal hydrodynamics and sedimentation due to the proposed RO-RO jetty at Jaitapur for NPCIL, Mumbai	5191	06/2014
23.	Monitoring of blast vibrators during underwater blasting for Jawaharlal Nehru Port, Navi Mumbai, Maharashtra	5192	06/2014
24.	Determination of safe grade elevator and area drainage studies for TPP of M/s NECL, Nellore (AP)	5193	06/2014
July - 2014			
25.	Mathematical model studies for hydrodynamic and sediment transport for proposed port facilities at Sagar island in Hugli Estuary, West Bengal	5194	07/2014
26.	Hydraulic model studies extension of Barapallah elevated road across river Yamuna (Phase-III) from Sarai Kale Kham to Mayur Vihar at Delhi	5195	07/2014
27.	Mathematical model and desk studies for proposed flyover bridge across Mithi river upstream of Mini Confluence, Mumbai	5196	07/2014
28.	Desk studies for proposed Kharkai Barrage site near Ganjia village, Jharkhand	5197	07/2014
29.	Mathematical model studies for tidal hydrodynamics and siltation aspects for development of fisheries harbour at Manjeshwar, Kerala	5198	07/2014

August- 2014			
30.	Studies for repair to spillway glacis and slotted roller bucket of Ichari dam, Uttarakhand	5199	08/2014
31.	Storm surge analysis for project Varsha in Andhra Pradesh	5200	08/2014
32.	Water availability studies at proposed barrage location in Gumani river for M/s Jindal Power Ltd.	5201	08/2014
33.	Studies on repair materials supplied by M/s Dimple Chemicals a Service Pvt. LTd., Pune for assessing their suitability in repairs and rehabilitation of hydraulic structures	5202	08/2014
34.	Mathematical model studies for flood protection works in Sukati Khad and its tributaries, Himachal Pradesh	5203	08/2014
September - 2014			
35.	Analysis and Interpretation of Dam Instrumentation data for period Jan 2013 - Dec 2013 to non overflow block-25, Indira Sagar Dam	5204	09/2014
36.	Studies for repair of distressed transverse beam between column 1 and IA of unit No-6 of captive power plant No.1 of Rourkela Steel Plant, Odisha	5205	09/2014
37.	Mathematical model studies to examine dispersion of effluent discharge at outfall located near proposed port of M/s JSW at Nandgaon, MH	5206	09/2014
38.	MMS for backwater effect of proposed of Dr.B.R.A. Pranahita - Chivella Sujata Sravanthi Project, Telangana	5207	09/2014
39.	Estimation of site-specific seismic, design ground motion for Loktak downstream hydroelectric project, Manipur	5208	09/2014
40.	Hydraulic model studies for desilting chamber for Mangdechhu HE Project, Bhutan	5209	09/2014
41.	Mathematical model studies for the assessment of wave tranquility for project Varsha, Andhra Pradesh	5210	09/2014
42.	Nuclear density logging and tracer studies for delineating path of seepage of Dimbhe masonry dam, Pune	5211	09/2014
43.	Extreme value analysis of meteorological data for Bhimpur Nuclear Power Project, M.P.	5212	09/2014
44.	Mathematical model studies for flood management of river Pabbar in Tehsil Rohra, Dist. Shimla, H.P.	5213	09/2014
45.	Desk and wave flume studies for the design of breakwater for	5214	09/2014

	the development of fishery harbour at Harne in Maharashtra		
46.	Identification of repair materials and repair methodology for arresting seepage of Dimbhe dam, Maharashtra	5215	09/2014
47.	Mathematical model studies for wave tranquillity for the proposed development of port facilities at Sagar Island, WB	5216	09/2014
48.	Mathematical model studies for ship maneuvering for the proposed development of port facilities at Sagar Island, WB	5217	09/2014
49.	Mathematical model studies for ship mooring analysis for proposed development of port facilities at Sagar Island, WB	5218	09/2014
50.	Assessment of quality of masonry of Bhandardara Dam, Ahmednagar, MH	5219	09/2014
October - 2014			
51.	Estimation of site-specific seismic design parameters for Tunga pumped storage project, West Bengal	5220	10/2014
52.	Hydraulic model studies for the proposed bridge across river Tapi on Vadodara-Mumbai Expressway of NHAI, Gujarat	5221	10/2014
53.	Estimation of reservoir capacity and sedimentation of TAWA reservoir using integrated bathymetry survey system and HP-II project	5222	10/2014
54.	Hindcasting studies for assessing the performance of spillway and energy dissipation Indira Sagar Dam, M.P.	5223	10/2014
55.	Hydraulic model studies for modified design of Mangdechhu Dam spillway, Bhutan	5224	10/2014
56.	Hydraulic model studies for Subansiri Dam spillway with extended chute ending in ski-jump bucket	5225	10/2014
November - 2014			
57.	Desk and wave flume studies for the design of breakwaters for the development of fishery harbour at Manjeshwaram in Karaigod, Kerala	5226	11/2014
58.	Non-destructive testing of repaired beam of TA foundation of Unit No-6 Rourkela Steel Plant SAIL (Odisha)	5227	11/2014
59.	Hydraulic model studies for Indira Sagar Dam spillway MP 1:60 scale 2D sectional model	5228	11/2014
60.	Mathematical model studies for the development of fish landing centre at Manjaguri in Uttar Kannada, Dist. Karnataka	5229	11/2014

61.	Determination of geotextile properties of Geobags from Water Resources Dept., Siwan, Bihar	5230	11/2014
62.	Rock mechanics studies for Kumbhe HE project, Maharashtra	5231	11/2014
December - 2014			
63.	Hydraulic model studies for desilting chamber for Punatsangchhu-II HE Project, Bhutan	5232	12/2014
64.	Hydraulic model studies for discharging capacity for full and partial gate operation of Punatsangchhu-I Dam spillway, Bhutan	5233	12/2014
65.	Mathematical model studies for hydro-dynamics for project Varsha	5234	12/2014
66.	Hydraulic model studies for power intake of Punatsangchhu HE Project, Bhutan	5235	12/2014
67.	Desk and wave flume studies for the design of breakwaters for the development of fishery harbour at Arthankal In Alapuzha, Kerala	5236	12/2014
68.	Hydraulic model studies for Punatsangchhu-II Dam spillway, Bhutan	5237	12/2014
69.	Mathematical model studies for littoral drift, shoreline evolution and mitigation measures for outer Cochin Port Trust	5238	12/2014
70.	Wave tranquillity studies for 2nd stage development of Karwar Port, Karnataka	5239	12/2014
January - 2015			
71.	Assessment of turbine efficiency under different reservoir levels at Kopili H.E. project, Assam	5240	01/2015
72.	Hydraulic model studies for Teesta-IV Dam Spillway, Sikkim, 1:60 Scale 3D Comprehensive Model	5241	01/2015
73.	Mathematical model studies for shoreline changes at ONGC plant and pipelines near Odalarevu village, East Godavari, A.P.	5242	01/2015
74.	Desk and wave flume studies for the design of coastal protection works at ONGC plant and pipeline near Odalarevu, East Godavari, A.P.	5243	01/2015
75.	Analysis and interpretation of Dam Instrumentation Data for the period January 2013 to December 2013 for non-overflow Block 13, Indirasagar Dam, M.P.	5244	01/2015
February - 2015			

76.	Identification of repair materials and repair methodology for strengthening of Krishnarajasagar Dam, Karnataka	5245	02/2015
77.	Area drainage studies for proposed integrated thermal power project near village Darlipali, Odisha	5246	02/2015
78.	Mathematical model studies for littoral drift and shoreline changes at Vatanapally Panchayat, Kerala	5247	02/2015
79.	Mathematical model studies for the development of fishing harbour at Bhatkal in Uttara Kannada, Karnataka	5248	02/2015
80.	Field investigation to suggest proper flow measuring installations at the site of M/s Hindalco Industries Ltd., Ranchi	5249	02/2015
81.	Mathematical model studies for the proposed development of port facilities at Hazira, Gujarat	5250	02/2015
82.	Wave flume studies for the design of training walls/groynes for the development of fishery harbour at Manjagund, Karnataka	5251	02/2015
83.	Mathematical model studies for assessment of wave tranquility and shoreline changes for the proposed development of Mini Fishing Harbour at Thottapally, Kerala	5252	02/2015
84.	Mathematical model studies to suggest remedial measures to minimize likely siltation near quaside for M/s Cochin Shipyard Ltd	5253	02/2015
85.	Estimation of site specific seismic design parameters for Goriganga III-A Hydroelectric Project, Uttarakhand	5254	02/2015
86.	Desk studies for the design of coastal protection works at Porbander, Gujarat	5255	02/2015
87.	(SECRET)	5256	02/2015
88.	Design of anti-surge device for the rising mains of Borghat-I lift irrigation scheme, Taluka Mulshi, Dist. Chandapur	5257	02/2015
89.	Tracer studies for detecting leakage through hillock at Upper Manar Medium Project, Nanded, Maharashtra	5258	02/2015
90.	Studies for hydrodynamics and siltation for deepening of approach channel at Mormugao Port, Mormugao	5259	02/2015
91.	Mathematical model studies for assessment of shoreline changes for Sbth Pipeline at Umbrhat Beach, Hazira, Gujarat	5260	02/2015
92.	Desk and wave flume studies for the design of coastal protection measures for the exposed ONGC pipeline at Umbhrad, Hazira, Gujarat	5261	02/2015

March - 2015			
93.	Identification of suitable repair materials and repair methodology for treatment of upstream face of Shivsagar Dam, Maharashtra	5262	03/2015
94.	Mathematical model studies for flood protection measures of Jabber Khad, H.P.	5263	03/2015
95.	Calibration of Integrated Gate, Doppler and Transit-Time Ultrasonic Flowmeters provided by KBJNL, Karnataka	5264	03/2015
96.	Mathematical model studies for wave tranquillity for the proposed development of port facilities at Nandgaon, Maharashtra	5265	03/2015
97.	Hydraulic model studies for protection and restoration of Eastern Kosi embankment and spurs, Bihar	5266	03/2015
98.	Hydraulic model studies for reservoir flushing for Mangadechhu Hydroelectric project, Bhutan	5267	03/2015
99.	Additional hydraulic model studies for assessment of scour downstream of Salma Dam spillway, Afghanistan	5268	03/2015
100.	Hydraulic model study for the proposed bridge across Narmada River on Vadodara-Mumbai Expressway of NHAI-Gujarat	5269	03/2015
101.	Mathematical model studies for shifting of Navigational Channel of Kandla Port, Gulf of Kutch	5270	03/2015
102.	Mathematical model studies for alternate dumping site for disposal of dredged material from proposed multi-purpose terminal at Karanja, Uran, Maharashtra	5271	03/2015
103.	Mathematical model studies for hydrodynamics and siltations for proposed new berth container terminal for M/s JNPT, Navi Mumbai	5272	03/2015
104.	Drag evaluation for combat wheeled vehicle model for VRDE, Ahmednagar, Maharashtra	5273	03/2015
105.	Estimation of site-specific seismic design parameters for Punatsangchhu-II Hydroelectric projects, Bhutan for M/s WAPCOS Ltd	5274	03/2015
106.	Revision of site-specific seismic design parameters for Punatsangchhu-I HEP, Bhutan	5275	03/2015
107.	Mathematical model studies for surge analysis of Dongargaon-Thanegaon lift irrigation scheme	5276	03/2015

108.	Storm wave hind casting studies for the proposed development of outer harbour at V.O. Chidambaranar Port, Tuticorin	5277	03/2015
109.	Physical hydraulic model studies for the modified layout of Fourth Container Terminal at JNPT, Mumbai	5278	03/2015
110.	Analysis and interpretation of seismological data for Indirasagar project, M.P.	5279	03/2015
111.	Micro-earthquake studies for Sapta Kosi Sun Kosi dam multipurpose project and Sun Kosi storage cum diversion scheme, Nepal	5280	03/2015
112.	Field studies for rating of Tungabhadra right bank power canal at km 0.750, Low Level Canal at km 2.842, LLC at km 118.700 and LLC at km 251.850, Tungabhadra dam, Karnataka	5281	03/2015
113.	Mathematical model studies for assessing the effect of additional structures on Limbdi branch Canal for Sardar Sarovar Narmada Nigam Ltd., Gujarat	5282	03/2015