

TECHNICAL REPORT 2016-17

| Sl. No. | Title | Report No | Month/Year |
|---------|--|-----------|------------|
| 1. | Mathematical model studies for wave tranquility for development of Multipurpose clean cargo berth at Paradip Port | 5389 | 04/2016 |
| 2. | Mathematical model studies to surge analyses of Haldi Puram Lift Irrigation Scheme, Maharashtra | 5390 | 04/2016 |
| 3. | 2-D numerical model for estimation of sediment profiles and flushing of sediments from reservoir of Dri Limb, Etalin HE Project, | 5391 | 04/2016 |
| 4. | Mathematical model studies for hydrodynamics and siltation for proposed NTRO jetty in Ernakulam channel for chochin port trust, | 5392 | 04/2016 |
| 5. | Wave tranquility studies for development of outer harbour at V.O. Chidambaranar Port, Tuticorin | 5393 | 04/2016 |
| 6. | Mathematical model studies for development of fishing harbour at South Paravoor Kolam Dist. Kerala | 5394 | 04/2016 |
| 7. | Mathematical Model Studies for Shoreline changes due to fishing harbour at South Paravoor, Kerala | 5395 | 05/2016 |
| 8. | Calibration/ testing of open channel ultrasonic non-insertion type flow meters in carrier line canal and Delhi Sub- Branch, Delhi | 5396 | 05/2016 |
| 9. | Geotechnical studies for recommendation of seepage control measures for earthen dam in premises of M/s Adlabs Entertainment Pvt. Ltd. Khopoli, Maharashtra | 5397 | 05/2016 |
| 10. | Field studies for determination of properties of masonry of Temghar Masonry dam, Maharashtra | 5398 | 05/2016 |
| 11. | Hydrographic Survey of Lower Lake at Kateri belongs to Cordite Factory, Aruvankadu using single beam Echo sounder Real Time Kinematic (RTK) DGPS and Jotal Station | 5399 | June, 2016 |
| 12. | Desk Studies for the design of Coastal protection works at Daman | 5400 | June, 2016 |
| 13. | Hydraulic Model Studies for assessment of scour downstream of Tangon Dam Spillway, Etalin HE Project, Arunachal Pradesh 1:60 Scale 3-D comprehensive model | 5401 | June, 2016 |
| 14. | Non destructive Studies for assessment of quality of in-situ concrete of barrel concrete structure of power house, Bhatghar HE Project (1 x 16 MW) Maharashtra | 5402 | June, 2016 |
| 15. | Non- Destructive Testing for Vihar, Tulsi and Powai Dams of M.C.G.M., Mumbai, Maharashtra | 5403 | June, 2016 |
| 16. | Hydraulic Model Studies for Spillway and Power intake of Dri Dam of Etalin HE Project, Arunachal Pradesh, 1:60 Scale 3-D, Comprehensive Model | 5404 | June, 2016 |
| 17. | Hydraulic Model Studies for assessment of scour downstream of Mangdechhu dam Spillway, Bhutan, 1:60 Scale, 3-D Comprehensive Model | 5405 | July, 2016 |
| 18. | Desk & Wave flume studies for the design of Breakwaters for the development of fisheries harbour at Majali, District, Uttara Kannada, Karnataka | 5406 | July, 2016 |
| 19. | Design of Bank protection work at Suva Dahej District, Bharuch, Gujarat | 5407 | July, 2016 |
| 20. | Hydraulic model studies for Kanhar Dam Spillway, UP, 1:45 Scale Model | 5408 | July, 2016 |
| 21. | Studies for hydrodynamics & siltation for additional deepening at Berths 8 & 9 at Mormugao Port, Goa | 5409 | July, 2016 |

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| 22. | Hydraulic model studies for spillway of Punatsangchhu HE Project, Stage-II, Bhutan, 1:10 Scale, 3-D Comprehensive Model | 5410 | July, 2016 |
| 23. | Model Studies for the Development of Belamber Fish landing Centre at Ankola, Uttar Kannad District, Karnataka | 5411 | August, 2016 |
| 24. | Mathematical Model Studies for wave tranquility for development of fisheries harbour at Thanur, Kerala | 5412 | August, 2016 |
| 25. | Hydraulic Model Studies for assessment of scour downstream of spillway of Punatsangchhu HE Project, Bhutan | 5413 | August, 2016 |
| 26. | Mathematical Model Studies for wave tranquility for wave tranquility for development of fisheries harbour at Vellayil, Kerala | 5414 | August, 2016 |
| 27. | 2-D, Numerical model Studies for reservoir sedimentation of Kwar Hydroelectric Project, Jammu & Kashmir | 5415 | August, 2016 |
| 28. | Hydraulic Model Studies for Discharging Capacity for Spillway with Full & Partial Gate Operation, Telegiri Project, Odisha, 1:50 Scale 3-D, Comprehensive Model | 5416 | September, 2016 |
| 29. | Mathematical Model Studies to asses water levels after construction of proposed ghats along river Godavari at Nashik, Maharashtra | 5417 | September, 2016 |
| 30. | Desk studies for the design of thore protection works at Vatnappilly Panchayat, Kerala | 5418 | September, 2016 |
| 31. | Desk & Wave flume studies for the design of breakwaters for the development of fishries Harbour at Belamber, Karnataka | 5419 | September, 2016 |
| 32. | Performance test on 60 MW Turbine Unit at Vaitarna HE Power Station, Vaitarna, Nagar, Maharashtra | 5420 | September, 2016 |
| 33. | Mathematical Model Studies for wave Transformation & Assessment of wave conditions along the proposed extension of Navigational Channel for Mazgaon Dock Ltd. Mumbai (Secret Report) | 5421 | September, 2016 |
| 34. | Mathematical Model Studies for Hydrodynamics & siltation for the proposed extension of Navigational Channel for Mazgaon Dock Limited, Mumbai (Secret Report) | 5422 | September, 2016 |
| 35. | Mathematical Model Studies for wave tranquility for the proposed fishery harbour at Versova, Mumbai - Suburban District, Maharashtra | 5423 | September, 2016 |
| 36. | 2-D Numerical Model Studies for Reservoir sedimentation of 900 MW Arun -III, Hydro Electric Project, Nepal | 5424 | September, 2016 |
| 37. | Desk studies for design of proposed extension of Navigational Channel at Mazagaon Dock Mumbai (Secret Report) | 5425 | September, 2016 |
| 38. | Seismic Sub Bottom Profiling Studies at Mazagon Dock Ltd. Mumbai, Maharashtra | 5426 | September, 2016 |
| 39. | Hydraulic Model Studies for Discharging Capacity with full & partial Gate Operation of Indira Sagar dam Spillway,. MP 1:60 Scale, 2-D Sectional Model | 5427 | September, 2016 |
| 40. | Mathematical Model Studies for the reengineering development at Mini-Fishing Harbour Chetty in Alappuzha, Kerala | 5428 | October, 2016 |
| 41. | Hydraulic model Studies for flushing of sediments from reservoir of Tangaon Limb, Etalin Hydro Electric Project, Arunachal Pradesh | 5429 | October, 2016 |
| 42. | Hydraulic Model Studies for flushing of sediments from reservoir of Dri Limb Etalin Hydro Electric Project, Arunachal Pradesh | 5430 | October, 2016 |
| 43. | Hydraulic Model studies for the proposed Road bridge across river Yamuna along Greater Noida-Faridabad link roadk passing through Sector 149A & 150 Noida | 5431 | October, 2016 |
| 44. | Desk studies for ship maneuvering for revised alignment of offshore Breakwater at Paradip Port, Odisha | 5432 | October, 2016 |
| 45. | Mathematical model studies to assess feasibility of flood dumping ground for the disposal of dredged Material from Navigational channel of Mazgaon Duck, Mumbai (Confidential) | 5433 | October, 2016 |

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| 46. | Desk and wave flume studies for the design of breakwaters for the development of fisheries harbour at Versova Maharashtra | 5434 | October, 2016 |
| 47. | Comprehensive study on the Sea Erosion along the Kerala Coast, Kerala | 5435 | November, 2016 |
| 48. | Wave propagation studies to determine wave climate for the development of fish landing facilities at Ajanur, District, Kasaragod, Kerala | 5436 | November, 2016 |
| 49. | Analysis & Interpretation of Dam instrumentation Data of Power House for Period Jan 2015 to June 2016, Indira Sagar HE Project, MP | 5437 | November, 2016 |
| 50. | Strain Measurement in exposed portion of Penstocks (SMA) 3&4 during in-situ Hydro test under static & Running conditions for Nagjhari Power House, Kalinadi, HE Project, KPCL, Karnataka | 5438 | November, 2016 |
| 51. | Temperature Control Studies on mass concrete for Gunjawari Dam, Pune, Maharashtra | 5439 | November, 2016 |
| 52. | Mathematical Model Studies for Tidal Hydrodynamics and Sedimentation for the proposed Development of Fishery Harbour at Versova, Mumbai | 5440 | November, 2016 |
| 53. | Model Studies for flood protection measures in river Alaknanda at Govindghat, District, Chamoli, Uttarakhand | 5441 | November, 2016 |
| 54. | Estimation of site specific seismic design parameters for Naitwar-Mori Hydro Electric Project, Uttarakhand | 5442 | November, 2016 |
| 55. | Mathematical model studies for wave tranquility for the development of passenger water transport terminal at Harihareshwar, Tal - Shriwardhan, Maharashtra | 5443 | November, 2016 |
| 56. | Mathematical model studies for tidal hydrodynamics siltation and identification of dumping locations for the expansion of captive jetty facilities in Dharamtar creek at Raigarh, Maharashtra | 5444 | November, 2016 |
| 57. | Report on analysis of digital accelerometer data for Tarali Dam, Maharashtra | 5445 | December, 2016 |
| 58. | Mathematical model and desk studies for construction of Temporary pile bridge for erection of pier of flyover bridge across Mithi river just upstream of Mini confluence Mumbai, Maharashtra | 5446 | December, 2016 |
| 59. | Geotechnical stability studies for breakwater after deepening of Channel at New Mangalore Port Karnataka | 5447 | December, 2016 |
| 60. | Hydraulic model studies for modified extended spillway of Subansiri Dam spillway AP/ Assam, 1:90 Scale 3D Comprehensive Model | 5448 | December, 2016 |
| 61. | Hydraulic Model studies for spillway & Power intake of Devsari HE Project, Uttarakhand, 1:60 Scale, 3D Comprehensive Model | 5449 | December, 2016 |
| 62. | Analysis of Meteorological Data for the proposed atomic power at Bhimpur, Madhya Pradesh for NPCIL, Vol.I & Vol. II | 5450 | December, 2016 |
| 63. | Report on analysis of digital accelerometer data for Tarali Dam, Maharashtra | 5451 | December, 2016 |
| 64. | Hydraulic routing studies for flood management works in River Jhelum at Srinagar, Jammu and Kashmir | 5452 | January, 2017 |
| 65. | Desk and flume studies for the confirmation of breakwater cross section for the Tuna Fishing Harbour at Thiruvotriyur Kuppam in Tamilnadu | 5453 | January, 2017 |
| 66. | Hydraulic model studies for discharging Capability of Spillway with full and partial gate operation Mangdechhu, H. E. project Bhutan, 1:60 scale 3D Comprehensive model. | 5454 | January, 2017 |
| 67. | Hydraulic model studies for Power Intake of Punatsangchhu-II H. E. project Bhutan, 1:40 G.S. Scale model. | 5455 | January, 2017 |
| 68. | Hydraulic model studies for Protection and Restoration of Eastern Kosi Embankment and Spurs, Bihar. | 5456 | January, 2017 |
| 69. | Studies for Evaluating the mortar making Properties of two samples of fine Aggregates (Sand) Lower Tapi, project, Maharashtra. | 5457 | January, 2017 |

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| 70. | Mathematical Model Studies for in Vestigation of tidal Hydronamics and sediment Transport for the proposed Fishery Harbour at south Paravoor Kerala. | 5458 | January, 2017 |
| 71. | Mathematical Model Studies for Determination of locations of intake and Outfall for the Proposed 2*600 MWE Fast Breeder Reactor Power Prant at Kalpak am Tamilnadu. | 5459 | January, 2017 |
| 72. | Mathematical model Studies for evolving Flood and erosion Protection measures along right bank of river Yamuna and its tributaries in tensil Paonta Sahib Dist.Sirmour. H.P. | 5460 | January, 2017 |
| 73. | Mathematical Model Studies for wave tranquillity for development of port at Betul Goa. | 5461 | January, 2017 |
| 74. | Mathematical model studies For evolving flood protection measures to Buhal Khad and Manjuni Khad injawali dist Khangra, Himachal Pradesh. | 5462 | January, 2017 |
| 75. | Desk & Wave Flume Studies for the design of breakwater for the proposed development of Fishery harbour at South Paravoor, Kollam district Keral. | 5463 | January, 2017 |
| 76. | Testing of Construction material from lower Tapi Project Maharashtra. | 5464 | January, 2017 |
| 77. | Desk studies for the design of coastal protection work for lighthouse in Dwaraka, Gujarat | 5465 | February, 2017 |
| 78. | Mathematical model studies for the development of passenger water transport terminal at Diveagar taluka shriwardhan, Maharastra | 5466 | February, 2017 |
| 79. | Analysis and Interpretation of Dam Instrumentation Data for period January 2015 to December 2015 for Non- overflow Block 25, Indira sagar dam, M.P | 5467 | February, 2017 |
| 80. | Hydraulic model studies for Teesta IV Dam Spillway, Sikkim, 1:60 scale, 3-D comprehensive model | 5468 | February, 2017 |
| 81. | Mathematical Models Studies for Shoreline Changes due to development of Port at Betul, Goa. | 5469 | March, 2017 |
| 82. | Mathematical Model Studies for Hydrodynamics and Sedimentation for development of Port at Betul Goa. | 5470 | March, 2017 |
| 83. | Hydraulic Performance and Overload Tests on Submersible Pump Sets of 153m ³ /n and Various Head Capabilities for irrigation development, Uttar Pradesh. | 5471 | March, 2017 |
| 84. | Hydraulic Performance and Overload Tests on Submersible pump sets of 102 m ³ /n and various head capabilities for irrigation development, U. P-2016 | 5472 | March, 2017 |
| 85. | Desk and wave flume studies for the confirmation of breakwater Work Section for the Tharangambadi Fishery harbour Nagapattnam district in Tamilnadu. | 5473 | March, 2017 |
| 86. | Hydraulic sump model studies of intake well on river Sabri for M/s Mecon Ltd, Ranch. | 5474 | March, 2017 |
| 87. | Study to improve the drawal capability of raw water into the existing intake of M/s Adhunik Power and Natural Resources Limited in River Subarnarekha, Jharkhand. | 5475 | March, 2017 |
| 88. | Review of Storm Surge analysis of Storm wave hind casting for the proposed Water Power Plant at Kowada, A. P. | 5476 | March, 2017 |
| 89. | Monitoring of blast Vibrations during excavation of rock for Integrated Nuclear Recycle Plant construction (INRPC) Project for BARC, Tarapur Maharashtra. | 5477 | March, 2017 |
| 90. | Physical Hydraulic model studies for development of Navi Mumbai international airport near Panvel for M/s CIDCO. | 5478 | March, 2017 |
| 91. | Mathematical Model Studies for Tidal Hydrodynamics, and Siltation aspects for existing Fishery Harbour at Neendakara, Kollam Dist. Kerala. | 5479 | March, 2017 |

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| 92. | Mathematical Model Studies for Hydrodynamics and Siltation for revised alignments of offshore breakwater at Paradeep Port, Odisha. | 5480 | March, 2017 |
| 93. | Hydraulic Physical Model Studies for development of LNG and Bulk cargo berth in the Proposed Outer Harbour at New Mangalore Port. | 5481 | March, 2017 |
| 94. | Desk and wave Flume studies for the confirmation of breakwater Cross-sections for the Vellapallam Fishery Harbour Nagapattanam Dist. in Tamilnadu. | 5482 | March, 2017 |
| 95. | Hydraulic Model studies for Spillway Indira Sagar Polavaram Project, Andhra Pradesh 1:50 scale, 2D Sectional model. | 5483 | March, 2017 |