

Technical Reports for the Year 2015-16

S. No.	Title	Name of the Project
1.	Report on Soil Investigations for Existing status of Gararda Dam Project, Bundi, Rajasthan (1//Soil –II/SM/CSMRS/E/06/15)	Gararda Dam Project, Bundi, Rajasthan
2.	Report on laboratory testing of geotextile fabric for bank protection works in Majuli along right bank of river channel at Bhaketchapori 780m and Karatipar 800m (Group-2) (01/Geosynthetics/CSMRS/E/04/2015)	Brahmaputra Board, Jorhat Circle, Jorhat
3.	Report on laboratory investigations of sand samples for assessing their suitability for use in concrete works (02/C-I/CSMRS/E/04/2015)	Jelam-Tamak HE Project, Uttarakhand
4.	Report on large size Oedometer test on the rockfill materials from Kudana Rock Quarry from (05/ RF/RSD/CSMRS/E/03/2015)	Turga Pumped Storage Scheme, West Bengal
5.	Report on Triaxial test on the rockfill materials from Kudana Rock Quarry. (06/ RF/RSD/CSMRS/E/03/2015)	Turga Pumped Storage Scheme, West Bengal
6.	Report on field testing for quality consultancy services during the 8 th visit to Tehri Pumped Storage Scheme, Tehri Garhwal, Uttarakhand (08/CSS/CSM/E/05/2015)	Tehri Pumped Storage Scheme, Tehri Garhwal, Uttarakhand
7.	Report on laboratory testing of geotextile filter for the Swan River Phase 4 on both side of Mawa Kuthera Jaswalan Khad on right bank of Swan River (02/Geosynthetics/CSMRS/E/05/2015)	Flood Protection Division, Distt. Una, Irrigation and PH Department, HP
8.	Report on laboratory investigations on soil samples for replacing expansive soil at problematic reach (10/soil-I/CSMRS/E/03/2015)	Subarnarekha Irrigation Project, Odisha
9.	Report on Laboratory Investigations on Soil Samples from Borrow Area along the Canal Alignment for the Proposed Ponnaiyar (Nedungal Anicut) – Palar Intra State Link Canal Project, Tamil Nadu, (01/Soil-I/CSMRS/E/06/2015, June 2015)	Ponnaiyar (Nedungal Anicut) – Palar Intra State Link Canal Project, Tamil Nadu
10.	Report on physical and chemical testing of OPC 43 grade cement and PPC (flyash based) cement (01/C-III/CSMRS/E/06/2015)	Kanhar Irrigation Project, Uttar Pradesh
11.	Report on zink coating test in 8 GI wires (33/E/CSM/CCD/06/2015)	Farkka Barrage Project, West Bengal
12.	Report on dry material content in two chemical admixture (34/E/CSM/CCD/06/2015)	Koteshwar Dam Project, Uttarakhand

13.	Report on Laboratory testing of three lots of Geobags of size 2.0 m x 1.5 m made of composite geotextile (03/Geosynthetics/CSMRS/E/06/2015)	Majuli Division from Brahmaputra Board, Jorhat Circle, Jorhat
14.	Report on Laboratory testing of 11 lots of GI Wire (3.15 mm dia) (04/Geosynthetics/CSMRS/E/06/2015)	Farakka Barrage Project, West Bengal
15.	Report on large size oedometer tests on riverbed rockfill material from Belsot Khola borrow area of Sun kosi (Kamla) project, Nepal (01/RF/CSMRS/E/06/2015)	Sun kosi (Kamla) project, Nepal.
16.	Report on large size Triaxial Shear tests on Belsot Khola borrow area river bed rockfill material for Sun kosi (Kamla) project, Nepal. (02/RF/CSMRS/E/06/2015)	Sun kosi (Kamla) project, Nepal.
17.	Report on Chemical analysis of 8 water samples from Lower Kopili HE Project, Assam.	Lower Kopili HE Project, Assam.
18.	Interim report of Construction Materials Survey & Lab. investigations of Coarse aggregate samples for assessing their suitability for use in concrete works for Turga PSP, W.B. (03/C-I/CSMRS/E/07/2015)	Turga Pumped Storage Project, W.B.
19.	Report on Laboratory Investigations of Cement, Fine & Coarse Aggregate, Construction Water, Micro Silica, Plasticizers And Liquid Accelerator Samples Collected During 7 th Visit of CSMRS Team to Tehri PSP, Uttarakhand. (10/CSS/CSM/E/07/2015)	Tehri, Garhwal Uttarakhand
20.	Report on Laboratory Investigations of Fine Aggregate, Coarse Aggregate, High Grade Concrete Super Plasticizer and Liquid Accelerator Samples Collected During 8 th Visit of CSMRS Team to Tehri PSP (4x250 MW) Project, Tehri, Garhwal Uttarakhand (11/CSS/CSM/E/07/2015)	Tehri, Garhwal Uttarakhand
21.	Chemical analysis of 18 water samples for evaluation of long term durability of concrete for Rihand Dam Project, UP (38/E/CSM/CCD/07/2015).	Rihand Dam Project, UP
22.	Final report on “Testing of water quality to assess the long term durability considerations of concrete for Turga Pumped Storage Scheme, West Bengal” The report prepared based on three water quality observations taken in the months of Feb 14; Aug 14 & June 2015) (39/E/CSM/CCD/07/2015)	Turga Pumped Storage Scheme, West Bengal
23.	Report on pull-out strength test of anchor bars at dam spillway of Sardar Sarovar Project, Gujarat (03/RM-F/CSMRS/E/07/2015)	Sardar Sarovar Project, Gujarat
24.	Report on in-situ deformability characteristics of rock mass by uniaxial jacking tests in right bank drift RDR-08 on dam axis of Dibang Multipurpose Project, Arunachal Pradesh (02/RM-F/CSMRS/E/07/2015)	Dibang Multipurpose Project, Arunachal Pradesh.

25.	Report on in-situ shear strength parameters of rock mass at right bank drift RDR-08 on dam axis of Dibang Multipurpose Project, Arunachal Pradesh. (01/RM-F/CSMRS/E/07/2015)	Dibang Multipurpose Project, Arunachal Pradesh.
26.	Report on deformability characteristics of rock mass by plate load tests conducted in left bank drifts of Renukaji Dam Project, Sirmour District, Himachal Pradesh (04/RM-F/CSMRS/E/07/2015)	Renukaji Dam Project, Sirmour District, Himachal Pradesh
27.	Report on shear strength parameters of rock mass by in-situ shear tests conducted in left bank drifts of Renukaji Dam Project, Sirmour District, Himachal Pradesh (05/RM-F/CSMRS/E/07/2015)	Renukaji Dam Project, Sirmour District, Himachal Pradesh
28.	Report on Laboratory Investigations on Blended Soil for Replacing the Expansive Soil at Problematic Reach of Subarnarekha Main Canal from RD 7950m to 8720m, Odisha (/Soil-I/ SM/ CSMRS/E/07/2015)	Subarnarekha Irrigation Project, Odisha
29.	Report on foundation Investigation of Cross Drainage Structures for the Proposed Ponnaiyar (Nedungal Anicut) – Palar Intra State Link Canal Project, Tamil Nadu (/Soil-I/SM/CSMRS/E/07/2015)	Ponnaiyar (Nedungal Anicut) – Palar Intra State Link Canal Project, Tamil Nadu
30.	Report of Laboratory investigation of rock from Turga Pumped Storage Project –Lower Dam, W.B (2/RM-Lab/CSMRS/7/2015)	Turga Pumped Storage Project –Lower Dam, W.B
31.	Report of Laboratory investigation of rock from Turga Pumped Storage Project –Upper Dam, W.B (3/RM-Lab/CSMRS/7/2015)	Turga Pumped Storage Project –Upper Dam, W.B
32.	Report of Laboratory investigation of rock from Turga Pumped Storage Project –Power House, W.B (4/RM-Lab/CSMRS/7/2015)	Turga Pumped Storage Project –Power House, W.B
33.	Report of Laboratory investigation of rock from Ponnaiyar-Palar Link Project –Tamil Nadu (1/RM-Lab/CSMRS/7/2015)	Ponnaiyar Palar Link Project –Tamil Nadu
34.	Report on field testing during the 9 th visit to Tehri PSP, Uttarakhand from 28 th June to 2 nd July 2015 for QA/QC services (13/CSS/CSM/I/08/2015).	Tehri Garhwal, Uttarakhand
35.	Report on soil investigations of additional soil samples from borrow area of Turga Dam Project, West Bengal. (6/Soil II/SM/CSMRS/E/08/2015)	Turga Dam Project, West Bengal.
36.	Report on Laboratory testing of Geotextile mattress and Geotextile Mega-container for protection of B/dyke from Sissikalghar to Tekeliphuta at different reaches from Lotasur to Tekeliphuta of Brahmaputra (05/Geosynthetics/RSD/CSMRS/E/08/2015).	Dhakuakhana Water Resources Division, Dhakuakhana, Assam

37.	Report on Laboratory testing of Geotextile materials and Gabion for the construction of Geotextile tube embankment for coastal erosion protection at Pentha in Rajnagar, Kendrapara District, Odisha (06/Geosynthetics/RSD/CSMRS/E/08/2015)	AUL Embankment Division, Department of Water Resources, Odisha
38.	Report on Laboratory testing of Geosynthetic materials and Gabion for Scheme-II: Protection of Tezpur University and its adjoining areas from the erosion of river Jia-Bharali (07/Geosynthetics/RSD/CSMRS/E/08/2015).	Tezpur Water Resources Division, Tezpur
39.	Report on laboratory testing of Geosynthetic materials and Gabion for Scheme-III: Protection of T-Dyke from Chillanipam to Orangbasti from the erosion of river Jia-Bharali on its left bank (08/Geosynthetics/RSD/CSMRS/E/08/2015)	Tezpur Water Resources Division, Tezpur
40.	Report on Laboratory testing of Geosynthetic materials and Gabion for Scheme-I: Protection of Biswanath Panpur including areas of u/s Silamari and d/s Bhumuraguri to Borgaon against erosion of Brahmaputra (9/Geosynthetics/RSD/CSMRS/E/8/2015)	Tezpur Water Resources Division, Tezpur
41.	Report on Laboratory testing of Geosynthetic materials and Gabion for Flood Management of River Ranganadi along with river training work on both bank embankments in Lakhimpur district (Assam) (10/Geosynthetics/RSD/CSMRS/E/08/2015)	North Lakhimpur Water Resources Division, North Lakhimpur
42.	Report on Laboratory testing of one lot of Geotextile Filter (Non-woven) for the Swan River Phase-4 th from RD 53800/1750/0 to 3500 on both side of Kuneran Khad on Left Bank of Swan River (11/Geosynthetics/RSD/CSMRS/E/08/2015)	Flood Protection Division, Gagret, Distt. Una, Irrigation & P.H. Department, Himachal Pradesh
43.	Report on Laboratory testing of one lot of Geobag of size 2.0 m x 1.5 m made of composite geotextile to be used at Lakhimpur Division of Brahmaputra Board, (12/Geosynthetics/RSD/CSMRS/E/09/2015)	Lakhimpur Division from Brahmaputra Board, Jorhat Circle, Jorhat
44.	Report on large size oedometer tests conducted on rockfill material from Sardu Khola borrow area of Sapta Kosi Project, Nepal. (03/RF/RSD/CSMRS/E/08/2015)	Sapta Kosi Project, Nepal.
45.	Report on large size triaxial shear tests conducted on rockfill material from Sardu Khola borrow area of Sapta Kosi Project, Nepal. (04/ RF/RSD/CSMRS/E/08/2015)	Sapta Kosi Project, Nepal.
46.	Report on construction materials survey and laboratory investigations of coarse aggregate samples for assessing their suitability for use in concrete works for Turga PSP, WB (04/C-I/CSMRS/E/09/2015)	Turga Pumped Storage Project, WB

47.	Report on Soil Investigations on additional soil samples from Borrow area of Turga PSP, West Bengal (6/Soil II/SM/CSMRS/E/08/15)	Turga Dam Project, West Bengal
48.	Report on Alkali Carbonate Reaction Test carried out on Rock samples from the proposed Rock Quarry for assessing its suitability for use as construction materials in concrete for Sawalkot H E Project, J & K (17/CSS/CSM/E/09/2015)	Sawalkot H E Project, (J & K)
49.	Report on Laboratory testing of Geotextile Filter (Non-woven) for the Swan River Phase-4 th from RD 53800/1750/0 to 3500 on both side of Kuneran Khad on Left Bank of Swan River, HP (13/Geosynthetics/RSD/CSMRS/E/09/2015)	Flood Protection Division, Gagret, Distt. Una, Irrigation & P.H. Department, Himachal Pradesh
50.	Report on chemical analysis of 4 admixture samples received from Punatsangchhu II HE Project, Bhutan (62/E/CSM/Chem/10/2015)	Punatsangchhu II HE Project, Bhutan
51.	Report on chemical analysis of admixture sample(s) received from Tehri Dam Project, Uttarakhand (64/E/CSM/Chem/10/2015)	Tehri Dam Project, Uttarakhand
52.	Report on chemical analysis of admixture sample(s) received from Tehri Dam Project, Uttarakhand (65/E/CSM/Chem/10/2015)	Tehri Dam Project, Uttarakhand
53.	Report on chemical analysis of admixture sample(s) received from Tehri Dam Project, Uttarakhand (66/E/CSM/Chem/10/2015)	Tehri Dam Project, Uttarakhand
54.	Report on field testing during the tenth visit to Tehri PSP, from 21 st to 24 th Sept, 2015 in connection with QA/QC services (18/CSS/CSM/E/10/2015)	Tehri PSP, Tehri Garhwal, Uttarakhand
55.	Report on laboratory investigation of cement, fine and course aggregate, construction water, micro-silica, plasticizers and liquid accelerator samples collected during ninth visit to Tehri PSP, Uttarakhand (19/CSS/CSM/E/10/2015)	Tehri PSP, Tehri Garhwal Uttarakhand
56.	Report on the structural assessment of the concrete strength examination for Konar Dam, Jharkhand (1/CD/CSMRS/E/09/2015)	Konar Dam, Jharkhand
57.	Report on assessment of the efficiency of butt welded TMT steel bar, test on concrete core extracted from block 21 and in-situ pull out tests on additional row of anchor bar provided for Sardar Sarovar Dam, Gujarat (2/CD/CSMRS/E/10/2015)	Sardar Sarovar Dam, Gujarat
58.	Report on deformability characteristics of rock mass by uniaxial jacking tests in a drift adjacent to adit to diversion tunnel at dam site of Punatsangchhu-II H.E. Project, Bhutan. (07/RM-F/CSMRS/E/10/2015)	Punatsangchhu-II H.E. Project, Bhutan.

59.	Report on in-situ shear strength parameters of rock mass in a drift adjacent to adit to diversion tunnel of Punatsangchhu-II H.E. Project, Bhutan. (06/RM-F/CSMRS/E/10/2015)	Punatsangchhu-II H.E. Project, Bhutan.
60.	Report on Laboratory testing of one lot of Geotextile Filter (Non-woven) for the Swan River Phase-4 th from RD 39175/6000 to 7000 on both side of Katour Khad on Left Bank of Swan River (Part B), HP (14/Geosynthetics/RSD/CSMRS/E/11/2015)	Flood Protection Division, Gagret, Distt. Una, Irrigation & P.H. Department, Himachal Pradesh
61.	Report on Chemical analysis of 02 PPC, 01 silica fume & 04 admixture samples for PHPA, Bhutan (73/E/CSM/CCD/11/2015)	PHPA, Bhutan
62.	Report on Chemical analysis of 08 water samples for construction purpose for Pancheshwar Multipurpose Project, India/ Nepal (77/E/CSM/Chem/11/2015)	Pancheshwar Multipurpose Project, India/Nepal
63.	Report on Chemical analysis of 04 water samples for construction purpose for Rupaligarh HE Project, India/Nepal (78/E/CSM/Chem/11/2015)	Rupaligarh HE Project, India/Nepal
64.	Report on Revision of IS 460 (Part 1, 2 and 3): 1985 - Specification for test sieves (03/C-III/CSMRS/E/11/2015)	CED 55, BIS, New Delhi
65.	Report on the “Sustainable sand mining management-guideline” – a Review (04/C-III/CSMRS/E/11/2015)	MOEF & Climate Change
66.	Report on the suitability of rock/ river bed material samples for use as coarse and fine aggregate in concrete for construction of spillway in Kanhar Irrigation Project (05/C-III/CSMRS/E/11/2015)	Kanhar Irrigation Project, Irrigation Department, Uttar Pradesh
67.	Durability tests on zinc coating for 02 zinc coated wire samples for THDC Koteshwar, Uttarakhand (80/E/CCD/CSM/12/2015)	THDC Koteshwar, Uttarakhand
68.	Report on laboratory investigation of cement, fine and coarse aggregate, liquid accelerator, super plasticizer, microsilica and construction water samples collected during 10 th visit of CSMRS team to Tehri PSP, Uttarakhand (21/CSS/CSM/E/2015)	Tehri PSP Project, Tehri Garhwal, Uttarakhand
69.	Report on construction materials survey and laboratory investigations of rock and sand samples for assessing their suitability for use in concrete works for Wain Ganga-Nal Ganga Intra State Link Canal Project, Maharashtra (Phase-I) (05/C-I/CSMRS/E/12/2015)	Wain Ganga-Nal Ganga Intra State Link Canal Project (Phase-I), Maharashtra
70.	Report on large size oedometer tests conducted on rockfill material from Varha Kshetra borrow area for Sapta Kosi Project, Nepal (05/RF/RSD/CSMRS/E/11/2015)	Sapta Kosi Project, Nepal.

71.	Report on large size triaxial shear tests conducted on rockfill material from Varha Kshetra borrow area for Sapta Kosi Project, Nepal. (06/RF/RSD/CSMRS/E/11/2015)	Sapta Kosi Project, Nepal.
72.	Report on Characterization of Fly Ash from Parichha Thermal Power Project, Parichha, Jhansi, Uttar Pradesh (07/Soil-I/CSMRS/E/12/2015)	Parichha Thermal Power Project, Jhansi, Uttar Pradesh
73.	Report on Geotechnical Investigations of Soil Samples along the canal alignment of the proposed Wainganga-Nalganga Link Project (7/S-II/SM/CSMRS/E/12/15)	Wainganga-Nalganga Link Canal Project, Nagpur, Maharashtra
74.	Report on in-situ Shear Strength Parameters of Rock in Left Bank Drift at Dam Axis of Suntaley H.E. Project, Sikkim (09/RM-F/CSMRS/E/01/2016)	Suntaley H.E. Project, Sikkim
75.	Report on Deformability Characteristics of Rock Mass by Uniaxial Jacking Tests in Left Bank Drift at Dam Axis of Suntaley H.E. Project, Sikkim (08/RM-F/CSMRS/E/01/2016)	Suntaley H.E. Project, Sikkim
76.	Report on construction materials survey and laboratory investigations of coarse aggregate samples for proposed Turga PSP, WB. (02/C-I/CSMRS/E/01/2016)	Turga Pumped Storage Project, WB.
77.	Report on laboratory testing of cement concrete tiles from Technical Audit Cell, Indira Bhawan, Lucknow, UP (06/C-I/CSMRS/E/01/2016)	Water Resources Secretary Branch, Lucknow, UP.
78.	Report on field testing during the 11 th visit from 1 st to 4 th December 2015, to Tehri PSP, for quality consultancy services (01/CSS/CSM/E/01/2016)	Tehri PSP Tehri Garhwal, Uttrakhand
79.	Report on laboratory investigation of cement, fine and coarse aggregate, liquid accelerator, super plasticizer, micro silica and construction water samples collected during 11 th visit of CSMRS team to Tehri PSP (02/CSS/CSM/E/01/2016)	Tehri PSP (4X 250MW) Project, Tehri Garhwal, Uttrakhand.
80.	Report on Dry material content in liquid admixture sample for Koteshwar HE Project, Uttarakhand (07/E/CSM/Chem/01/2016)	Koteshwar HE Project, Uttarakhand
81.	Report on laboratory investigation of cement, silica fume and admixture from Punatsangchhu-II H.E. Project, Bhutan (06/C II/CSM/E/12/2015)	Punatsangchhu-II H.E. Project, Bhutan
82.	Report on Chemical analysis of cement sample from PHPA – II, Bhutan (09/E/CSM/Chem/02/2016)	PHPA – II, Bhutan
83.	Report on Deformability Characteristics of Rock Mass in Powerhouse and TRT by Goodman Jack Tests at Punatsangchhu-II H. E. Project, Bhutan. (10/RM F/CSMRS/E/02/ 2016)	Punatsangchhu-II H. E. Project, Bhutan.
84.	Report on Deformability Characteristics of Rock Mass in HRT by Goodman Jack Test at Punatsangchhu HE Project, Stage-II, Bhutan	Punatsangchhu H. E. Project, Stage-II, Bhutan.

	(11/RM-F/CSMRS/E/02/2016)	
85.	Report on Laboratory investigation of rock from Kirthai-I HE Project, J&K (5/RM-Lab/CSMRS/02/2016)	Kirthai-I HE Project, J&K
86.	Report on Foundation investigations along modified alignment of Kabrai Dam Project, Mahoba, Uttar Pradesh was sent to the project authority. (01/Soil-II/SM/CSMRS/E/02/2016)	Kabrai Dam Project, Mahoba, Uttar Pradesh
87.	Report on large size triaxial shear test conducted on Rockfill materials from Triveni borrow area for Sapta Kosi Project, Nepal (08/RF/RSD/CSMRS/E/01/2016)	Sapta Kosi Project, Nepal