



महाराष्ट्र शासन  
जलसंपदा विभाग

महाराष्ट्र अभियांत्रिकी संशोधन संस्थेचा  
वार्षिक संशोधन कार्यक्रम  
सन २०१०-११  
दिनांक २१/८/२०१०, नाशिक-नालेल्या  
बैठकीचे इतिवृत्त

अभियांत्रिकी संशोधन संस्था,  
नाशिक-४२२ ००४

## महाराष्ट्र अभियांत्रिकी संशोधन संस्था, नाशिक-4.

### वार्षिक संशोधन कार्यक्रम २०१०-११ ( २०१०-२०११ - जुन २०११.)

००. चं. स. मोडक, महासंचालक, संकल्पन प्रशिक्षण व संशोधन मेरी, नाशिक यांच्या अध्यक्षतेखाली शनिवार दिनांक २१/०८/२०१० रोजी मेरी बैठक कक्षात सर्व क्षेत्रिय मुख्य अभियंता (जलसंपदा व सार्वजनिक बांधकाम विभाग) तसेच अधीक्षक अभियंता , ०.००००००स, नाशिक यांचे समवेत महाराष्ट्र अभियांत्रिकी संशोधन संस्था, नाशिक या संस्थेच्या वार्षिक संशोधन कार्यक्रम सन २०१०-११ २०१०-११ -नालेल्या बैठकीचे इतिवृत्त.

बैठकीस पुढील प्रमाणे अधिकारी उपस्थित होते.

००.००.००.

- १) ००. ००.००. मोडक, महासंचालक, संकल्पन, प्रशिक्षण व संशोधन मेरी, नाशिक.
- २) मा. प्र. रा. भामरे, मुख्य अभियंता व संचालक म. अ. प्र. प्र. नाशिक-४.
- ३) मा. प्र. भ. सोनवणे, मुख्य अभियंता, लघु पाटबंधारे विभाग, (स्था.स्तर) पुणे.
- ४) मा. मो. ई. शेख, मुख्य अभियंता, (जलसंपदा) नागपूर.
- ५) मा. ना. भा. घुगे, मुख्य अभियंता (गोसीखुर्द) नागपूर.
- ६) मा. गु. शि. लोखंडे, मुख्य अभियंता,, जलसंपदा विभाग, अमरावती.
- ७) ००. हि. ता. मेंढेगिरी , मुख्य अभियंता, ( वि. प्र.), जलसंपदा विभाग, † ०. ००.००.
- ८) मा. एच. के. टोणपे, मुख्य अभियंता, तापी जलसंपदा विकास महामंडळ, जळगांव.
- ९) मा. बा. नि. कंदरफळे, मुख्य अभियंता, जलसंपदा, औरंगाबाद
- १०) मा. म. वि. पाटील, मुख्य अभियंता, उत्तर महाराष्ट्र प्रदेश, नाशिक.
- ११) मा. ज. म. जाधव, मुख्य अभियंता, यांत्रिकी विभाग, नाशिक.
- १२) मा. आर. बी. घोटे, मुख्य अभियंता व मुख्य प्रशासक (लाक्षेवि), औरंगाबाद.
- १३) ००. म. शं. बेंद्रे, अधीक्षक अभियंता, (मा.ध.) मध्यवर्ती संकल्प चित्र संघटना, नाशिक.
- १४) मा. अ. मु. खापरे .अधीक्षक अभियंता, ( दरवाजे व प्रशासन) मध्यवर्ती संकल्पचित्र संघटना, नाशिक.
- १५) ००. ००. गि. राजपुत .अधीक्षक अभियंता, ( वि.गु) मध्यवर्ती संकल्पचित्र संघटना, नाशिक.
- १६) मा. रा. वि. जलतारे .अधीक्षक अभियंता, ( द.ध.) मध्यवर्ती संकल्पचित्र संघटना, नाशिक.
- १७) ००. . वा. निकुम, अधीक्षक अभियंता, धरण सुरक्षितता संघटना, नाशिक.
- १८) मा. ग. गो. बैरागी, अ.अ.व सहसंचालक, म. अ. प्र. प्र. नाशिक-४.
- १९) मा. वि. ब. पांढरे, अधीक्षक अभियंता व सहसंचालक, मेरी, नाशिक.
- २०) मा. सतीश वडगांवे, अधीक्षक अभियंता, कोंकण प्रदेश , मुंबई.
- २१) मा. एम. एस. पुणतांबेकर, सहा.मु.अ., सा.बां.प्रा. विभाग, नाशिक.
- २२) मा. वि. म, कुलकर्णी, कार्यकारी अभियंता, जलसंपदा विभाग, पुणे.
- २३) मा. यु. एस. कुलकर्णी, कार्यकारी अभियंता, विशेष प्रकल्प, पुणे.

या व्यतिरिक्त म.अ.सं.संस्थेचे संशोधन अधिकारी / वै-ानिक संशोधन अधिकारी/  
कार्यकारी अभियंता या बैठक

सर्व उपस्थितांचे स्वागत करुन बैठकीच्या कामकाजास सुरुवात -.

1.0 बैठकीत मा. अधीक्षक अभियंता व सहसंचालक यांनी गेल्या वर्षातील (2009-10) उद्दीष्टे व साध्य यांची माहिती दिली. प्रत्येक महामंडळानुसार / मुख्य अभियंता, प्रदेश कार्यालयानुसार गेल्या वर्ष किती समस्या प्राप्त -आलेल्या होत्या व त्या पैकी किती पूर्ण करुन पुढील वर्षी सुरु ठेवण्यात आलेल्या समस्यांबाबत माहिती दिली. हाताळण्यात न आलेल्या समस्यां बाबत कारणे विशद केली. गेल्या वर्षी संस्थेकडे एकूण 19 समस्या आल्या, त्यापैकी 26 समस्या पूर्ण करुन 69 समस्या प्रगतीपथावर आहेत. व 24 समस्या क्षेत्रिय माहिती व निधी अभावी हाताळण्यात आल्या नाहीत अशी त्यांनी माहिती .

गेल्या वर्षी हाताळण्यात न आलेल्या समस्यांबाबत मा. महासंचालक यांनी क्षेत्रिय अधिकाऱ्यांना माहिती व निधी उपलब्ध करुन देण्याबाबत सांगितले.

मा. अधीक्षक अभियंता व सहसंचालक यांनी संस्थेमध्ये गतवर्षी -आलेल्या चाचण्यांची

तदनंतर मा. अधीक्षक अभियंता व सहसंचालक यांनी प्रदेशनिहाय वार्षिक संशोधन कार्यक्रम सन 2010-11 विदित केला.

देश निहाय कार्यक्रम व त्यावर -आलेली चर्चा खालील प्रमाणे आहे.

ABSTRACT OF PROBLEMS/STUDIES FOR FINAL ANNUAL RESEARCH PROGRAMME (2010-11) MERI,NASHIK										
SR NO	REGION	NAME OF DIVISION								
		HD1	RSSD	STR	SM1	MT	R.S & GID	SDAD	HW1	TOTAL
1	C.E. (WRD) AMRAVATI	3	0	0	0	0	0	0	0	3
2	C.E.(S.P.) AMRAVATI	2	4	0	0	0	0	0	0	6
3	C.E. (WRD) NAGPUR	1	4	0	3	0	0	0	0	8
4	CE (WRD) GOSIKHURD	1	3	0	0	0	1	0	0	5
VIDC, TOTAL										22

SR NO	REGION	NAME OF DIVISION								
		HD1	RSSD	STR	SM1	MT	R.S & GID	SDAD	HW1	TOTAL
5	CE,( WRD ), PUNE	2	9	0	2	0	1	0	0	14
6	CE. (SP),PUNE	3	2	0	0	0	0	0	0	5
<b>MKVDC, TOTAL</b>										<b>19</b>
7	CE, (CADA) A'BAD.	1	2	0	0	0	0	0	0	3
8	CE,(WRD),A'bad	2	3	0	1	0	1	0	0	7
9	C.E.(WRD), Nashik	4	5	0	0	0	1	0	0	10
<b>GMIDC, TOTAL</b>										<b>20</b>
10	C.E. TIDC, Jalgaon	8	5	0	0	0	0	0	0	13
11	CE, (WRD) Konkan	2	5	0	0	0	0	0	0	7
12	CE, ( WRD ),Koyna	2	1	0	0	0	0	0	0	3
13	Private Consultancy	3	6	0	0	2	7	0	0	18
14	Internal Study	1	5	3	3	5	0	3	0	20
15	PWD	0	0	0	0	0	0	0	4	4
	<b>GR.TOTAL</b>	<b>35</b>	<b>54</b>	<b>3</b>	<b>9</b>	<b>7</b>	<b>11</b>	<b>3</b>	<b>4</b>	<b>126</b>

## 2.0 प्रदेश निहाय सविस्तर कार्यक्रम पुढील प्रमाणे-

२.१ मुख्य अभियंता , जलसंपदा विभाग , अमरावती या प्रदेश कार्यालयासाठी कार्यक्रम.

SR .NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Back Water Studies For Chandrabhaga Medium Project, Tal. Achalpur Dist. Amaravati	Awaited	Received	Some Data is awaited. Work will be completed after receipt of Data. Reminder sent letter No Hydro1/Chandrabhaga/501,Dt.21/05/2009
2	HYDRO	Jigaon Project-Model Study	Awaited	Received	Design of EDA is under revision as per meeting held with D.G. on 7/8/2009. Revised EDA Drawing is awaited from CDO.

3	HYDRO	Lower Penganga Project-Model Study	Awaited	Awaited	New Problem
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अधीक्षक अभियंता व सहसंचालक यांनी या प्रादेशिक विभागातील संस्थेच्या जलगती संशोधन विभागात अभ्यासण्यात येणाऱ्या समस्यांची आवश्यक माहिती त्वरीत उपलब्ध करून द्यावी अशी विनंती केली.

मा.मुख्य अभियंता, जलसंपदा अमरावती यांनी सांगितले की,

१. चंद्रभागा नदीचे काटछेद (Cross-section) नदीपात्रातील पाणीपातळी कमी नाल्यावर उपलब्ध करून देण्यात येईल.
२. जीगांव प्रकल्पाच्या प्रतिकृती अभ्यासासाठी कंटूर प्रोफाईल उपलब्ध करून देण्यात येईल.
३. जीगांव पेनगंगा प्रकल्पाच्या प्रतिकृतीसाठी आवश्यक निधी व माहिती उपलब्ध करून देण्यात येईल.

## 2.2 मुख्य अभियंता, विशेष प्रकल्प, अमरावती या प्रदेश कार्यालयासाठी कार्यक्रम.

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Nimnpedhi Project-Spillway, E.D.A.& Tail Channel Model Study	Awaited	Awaited	Design Note received additional Data is awaited. Reminder sent.
2	HYDRO	Nimnpedhi Project- Back Water Study	Awaited	Awaited	Data and fund not received reminder sent, letter No Hydro1/23, Dt.12/1/2010
3	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Morna Reservoir, Dist.Akola	Received	Received	Work completed and Final report sent to field office
4	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Nirguna, Dist.Akola.	Received	Not required	Work is in progress.
5	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Sonal, Dist. Washim.	Received	Received	Work completed and Final report sent to field office

6	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Goki, Dist. Yavatmal.	Received	Received	Work completed and Final report sent to field office
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### 2.3 मुख्य अभियंता, जलसंपदा, नागपूर या प्रदेश कार्यालयासाठी कार्यक्रम.

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Nimna Wenna Project-Tail Channel Erossion	Awaited	Awaited	New Problem
2	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Bor Reservoir Dist.Wardha	Awaited1	Awaited	--
3	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Itiadoh.Dist.-Bhandara	Partial Awaited	Awaited	--
4	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Bag /Sirpur reservoir Dist. Bhandara	Partial Awaited	. Awaited	--
5	RSSD	Assessment of Storage capacity & Sedimentation survey by SRS method for Kalisarar, Dist-Bhandara.	Awaited	Awaited	New problem
6	S.M.	Under seepage control study for Sawargaon Jire MIS, Tal & Dist.Washim	Awaited	Awaited	--
7	S.M.	Under seepage control study for Pimpri MIS, Tal.Manora, Dist.Washim	Awaited	Awaited	--
8	S.M.	Under seepage control study for Moulzari M.I.Tank Chandrapur-Leakage Study	Awaited	Awaited	--

**2.4 मुख्य अभियंता , गोसीखुर्द , नागपूर या प्रदॆा कार्यालयासाठी कार्यक्रम.**

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Ajansara Barrage –A) Length Of Guide Wall On U/S. & D/SB) Performance Of E.D.A. For 1:.100 Year Flood/S.P.F.	Partially Received	Awaited	Design Note received , Additional data awaited.
2	RSGID	Capacity evaluation of Gosikhurd Project by Digital Elevation Model	Partially Received	Received	1) Additional Images will be purchased for the additional storage 2) Data is being generated from Digital Elevation Model
3	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Jam Reservoir, Dist.Nagpur	Awaited	Awaited	Fresh estimate sent , Funds awaited.
4	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Kar Reservoir, Dist.Nagpur	Awaited	Awaited	Fresh estimate sent , Funds awaited.
5	RSSD	Assessment of storage capacity & Sedimentation survey by Hybrid(S.R.S+D.G.P.S.). method for Asalmondha Reservoir, Chandrapur,	Partially Awaited	Awaited	New Problem Estimate sent.

मा. मुख्य अभियंता, गांसीखुर्द प्रकल्प, नागपूर यांनी प्रकल्पाच्या प्रयोगशाळेतील उपकरणांचे अंशशोधन करून मिळावे असे सांगितले.

मा. अधीक्षक अभियंता व सहसंचालक, मेरी यांनी सांगितले की, क्षेत्रिय अधिकारी यांचेकडून त्या बाबतचा कार्यक्रम पाठविण्यात आल्यावर अंशशोधनाचे काम त्वरीत हाती घेण्यात येईल.

2.5 मुख्य अभियंता ,जलसंपदा , पूणे या प्रदक्षी कार्यालयासाठी कार्यक्रम.

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Model Studies For Bhama Aaskhed Project E.D.A. & Tail Channel	Received	Received	Interim report submitted to field officers. Report on calibration of gate is under preparation.
2	HYDRO	Dudhganga Canal Conveyance Losses For Chainage 4.5 Km- 6.5 Km.	Received	Received	Set Of Expt. Prior To Canal Lining Completed. Further work will be taken up after completion of lining of Canal and pre arrangement at Site.
3	RSGID	Sugarcane Mapping in command area of projects in Krishna Khorel) Khadakwasla Project, Pune2) Dhom Project, Satara 3) Kanher Project, Satara 4) Ujani Project, Solapur, 5) Varana Project, Sangli Kolhapur 6) Panchganga Project, Kolhapurü 7) Dudhaganga Project, Kolhapur 8) Dimbhe Project, Pune 9) Manikdoh Project, Pune 10) Wadaj Project, Pune 11) Ghod Project, Pune 12) Chaskaman Project, Pune	Partially Received	Not req.	-
4	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Dhom. Dist. Satara.	Awaited	Not req.	work is in progress
5	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Kanher, Dist. Satara.	Awaited	Not req.	work is in progress

6	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Doodhganga, Dist.Kolhapur	Awaited	Awaited	New problem
7	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Warna, Dist. Sangali..	Awaited	Awaited	Proposed for study. According to response from field office, study will be taken up.
8	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Radhanagari, Dist.Kolhapur.	Awaited	Awaited	Proposed for study. According to response from field office, study will be taken up.
9	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Tulshi., Dist.Kolhapur.	Awaited	Awaited	Proposed for study. According to response from field office, study will be taken up.
10	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Pimpalgaon Joge, Dist. Pune.	Received	Not req.	Work in progress.
11	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. method for Chaskaman Reservoir, Dist.Pune	Awaited	Not req.	New problem.
12	RSSD	Nira Deoghar, Dist. Pune.	Awaited	Not req.	Under progress
13	SM	Study of non functioning of toe drains in Ujjani Dam.,Dist-Solapur	Received	Awaited	Data received up to 19-3-2009.Data analysis work is in progress.
14	SM	Under seepage control study for Warasgaon Dam.	Awaited	Not req.	--

**2.6 मुख्य अभियंता , विशेष प्रकल्प , पूर्णोद्घा प्रदक्षे कार्यालयासाठी कार्यक्रम.**

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Discharge Problem Of Dimbhe L.B.C.Outlet	Awaited	Awaited	Additional information awaited
2	HYDRO	Model Study Of Pipe Syphone Of Koparde L.I.S. Of Tarali Irrign.Project.	Awaited	Awaited	New Problem.
3	HYDRO	Study of flood effect of Krishna river of Mhaisal Stage-I, Dist.Sangli	Awaited	Awaited	Details of TOR is to be obtain from field officer.
4	RSSD	Assessment of storage capacity and sedimentation survey by Hybried (DGPS+RS) method for Ujjani reservoir Dist Solapur.	Partial Received	Awaited	Revised estimate sent. Funds awaited
5	RSSD	Assessment of storage capacity and sedimentation survey by Hybried (DGPS+RS) method for Dimbhe reservoir Dist Pune.	Received	Received	Report under finalization

**2.7 मुख्य अभियंता ,लाक्षेवि, औरंगाबाद या प्रदक्षे कार्यालयासाठी कार्यक्रम.**

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Model Studies For Sapali Dam Spillway, District Hingoli. A)Sectional Model B)Composite Model	Received	Received	Revised drawings received Clarification on drawing is awaited from CDO. Sectional Model construction is in progress in new developing tray using recirculation system.

2	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+R.S) method for Jaikwadi Reservoir Dist.Aurangabad.	Awaited	Awaited	Estimate sent. Funds awaited.
3	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Majalgaon Dist. A'bad.	Partial Received	Received	Funds received. In Feb.09. Work will be taken in hand in Oct. 2010 when reservoir will have substantial storage..

**2.8 मुख्य अभियंता ,जलसंपदा ,औरंगाबाद या प्रदेश कार्यालयासाठी कार्यक्रम.**

SR. NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Model study for gate operation schdule of 13 Barreges on Godavari River below Paithan dam upto Babhali Barrage.	Awaited	Awaited	New Problem
2	HYDRO	Lendi Interstate Project –Model study & surge analysis for A.P. Pipe line canal.	Awaited	Awaited	New Problem
3	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Yeldari Dist. Parbhani	Received	Received	Work will be taken in Oct. / Nov.2010 when reservoir will have substantial storage
4	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for medium Projects(Old),Dist.- Nanded	Awaited	Awaited	New Problem

5	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Lower Mannar Project.	Awaited	Awaited	New Problem
6	RS & GID	Green Cover Mapping of 1 Purna Project Command (Vasamat nagar-Nanded) 2 Penganga Project	Received	Received	Report under preparation
7	S.M.	Study of non functioning toe drains in Manjra Projects	Awaited	Not required	Data not received

**2.9 मुख्य अभियंता , उत्तर महाराष्ट्र प्रदेश, नाशिक ज़िला प्रदेश कार्यालयासाठी कार्यक्रम.**

SR. NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Upper Godavari Project-S.W.F Calibration Of Palkhed L.B.C..	Received	Received	One set completed at 21 Km. C/s. of Canal needs clarification
2	HYDRO	S.W.F. Calibration Of Pravara L.B.C.	Received	Awaited	Work completed. Result will be sent after receipt of funds.
3	HYDRO	Manjarpada Project-Performance Of Spillway	Awaited	Received	Data awaited
4	HYDRO	Study of Conveyance/Seepage Losses of 1) Mula (large),Waghad,Ghashil pargaon,Mohari Tikhol , Bhalwari, Khadakochar,Amboli,Ek lhare & Ramshej Project Canal.	Awaited	Received	New Problem

5	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Chankapur Dist. Nashik.	Received	Received	Report under printing
6	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for DGPS+RS. Ozarkhed Dist. Nashik.	Awaited	Awaited	--
7	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Waghad Dist.Nashik	Received	Awaited	--
8	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Darna, Dist. Nashik.	Awaited	Awaited	New problem
9	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Gangapur ,Dist. Nasik	Awaited	Awaited	New problem
10	RSGID	Submergence Survey of Gangapur Project by RS Technique	Awaited	Awaited	Data & funds awaited

ॐ अधीक्षक अभियंता (लाक्षेवि), नाशिक यांनी प्रवरा डाव्या तट कालव्याच्या वहन व्यय काढून मिळण्याची मागणी केली असता मा. अधीक्षक अभियंता व सहसंचालक , मेरी, यांनी सांगितले की, संस्थेतर्फे आवश्यक प्रशिक्षण क्षेत्रिय अधिकाऱ्यांना देण्यात येईल.

2.10 मुख्य अभियंता ,तापी खारे विकास महामंडळ, जळगांव या प्रदश कार्यालयासाठी कार्यक्रम.

SR. NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARK / STATUS
1	HYDRO	Back Water Studies Of Shelgaon Barrage Dist Jalgaon.	Received	Received	Problem completed. Final report sent to field Officer.

2	HYDRO	Backwater Study-Nagan Medium Project, Tal-Navapur, Dist-Nandurbar.	Received	Received	Data received Work is in progress.
3	HYDRO	Hatnur Project – Spillway And EDA Model Studies	Awaited	Awaited	Data awaited stage discharge curve at site & some clarification is awaited
4	HYDRO	Lower Panzara Project (Akkalpada)Back Water Study	Received	Received	Work is in progress clarification regarding data is awaited from field officers
5	HYDRO	Amaravati Medium Project Back Water Study	Received	Received	Work is in progress clarification regarding data is awaited from field officers
6	HYDRO	Lower Tapi Project – Back Water study.	Awaited	Awaited	New Problem
7	HYDRO	Hatnur Project –Flood control study upto Prakasha, Dist Nandurbar.	Awaited	Awaited	New Problem
8	HYDRO	Hatnur Dam – Model study of extended 8 gates.	Awaited	Awaited	New Problem
9	RSSD	Assessment of storage capacity and sedimentation survey by Hybried method for Girna, Dist Nashik	Received	Received	Report under printing
10	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Panzara, Dist.Dhule.	Partial Received	Awaited	--
11	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Aner, Dist.Dhule.	Partial Received	Awaited	No response from field officers.
12	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Karvand, Dist.Dhule.	Received	Awaited	No response from field officers.

13	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Vavad M.I.Project. Tal. & Dist.-Nandurbar	Awaited	Awaited	New Problem
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2.11 मुख्य अभियंता, कोकण, मुंबई या प्रदेश कार्यालयासाठी कार्यक्रम.

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Dolwahal project-performance of spillway and EDA	Received	Awaited	Report on site visit & remarks are communicated to CDO & Field Office
2	HYDRO	Kal Hydro Power Project-Model Study of EDA	Awaited	Awaited	New problem
3	RSSD	Assessment of storage capacity and sedimentation survey by (SRS + DGPS) hybrid method for Bhatsa, Dist. Thane	Partial Received	Awaited	--
4	RSSD	Assessment of storage capacity and sedimentation survey by (SRS + DGPS) hybrid method for Wandri, Dist. Thane.	Partial Received	Awaited	New problem.
5	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Surya, Dist. Thane	Received	Awaited	--
6	RSSD	Assessment of storage capacity and sedimentation survey by SRS/Hybrid method for Tilari Dist. Kolhapur.	Awaited	Awaited.	New problem..
7	RSSD	Assessment of storage capacity and sedimentation survey by SRS method for Upper Vaitarna Dist. Nashik.	Received	Not req.	New problem..

2.12 मुख्य अभियंता , कोयना ,पूणे या प्रदेश कार्यालयासाठी कार्यक्रम.

SR.NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	To study method of measurement of water from Koyna dam-diverted towards west for power generation.	Received	Received	Out of sixteen , three sets of experiment are completed.
2	HYDRO	Amlibari M.I.Project- Model study of EDA	Awaited	Awaited	New problem
3	RSSD	Sedimentation assessment and capacity of koyna reservoir by Hybrid technique	Awaited	Awaited	New problem

2.13 मुख्य अभियंता , आनुवंशिक बांधकाम विभाग, मुंबई व नाशिक या प्रदेश कार्यालयासाठी कार्यक्रम.

SR NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HIGH WAY	Studies on relationship between accident rate and road characteristic (Nashik Region)	Partially Received	Received	The information from the Police Commissioner , Pune & Nashik is awaited.analysis of available data is in progress.
2	HIGH WAY	Road inventory data for a district which is to be extended later to whole state (Nashik Region )	Partially Received	Received	Complete data in the prescribe proforma is not given by field divisions.
3	HIGH WAY	Stability of costal bed slopes under wave pressure (Mumbai Region )	Awaited	Received	This office requested to concern field officers for supply of sea sand which is required for testing.

4	HIGH WAY	Study of use of Laterite stone in road construction for BBM (Mumbai Region )	Received	Received	The field officer is requested to intimate this office.
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## 2.14 खाजगी सल्लामसलतीच्या समस्येचा अभ्यास

SR. NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Model Studies For Spillway & Eda Of Middle Vaitarna Project Under New Mumbai Municipal Corporation Sectional Model & Composite Model	Received	Received	i) Construction of 2 D Model according revised section received from CDO & experiments are Just completed & observations are send to CDO & Field Office ii) 3D model construction is in progress.
2	HYDRO	Paras Tps Expn-Gate Operation Schedule Of The Barrage On Mun River	Received	Awaited	New problem..
3	HYDRO	Panan H.E.P.(Sikkim State) –conducting model study of spillway dam & de-silting basin.	Awaited	. Awaited	New problem.
4	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Tulsi, B.M.C.Dist.Thane	Awaited	. Awaited	New problem.
5	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Vihar , B.M.C.Dist.Thane	Awaited	Awaited	New problem. Estimate sent.
6	RSSD	Assessment of Storage capacity & Sedimentation survey by Hybrid (DGPS+RS)method for Koradi, , Dist.Nagpur, (MAHAGENCO)	Received	Awaited	New problem. Estimate sent. Funds awaited.

7	RSSD	Assessment of storage capacity & Sedimentation survey by Hybrid method for Barvi , MIDC Thane	Awaited	Awaited	New problem.
8	RSSD	Assessment of storage capacity & Sedimentation survey by S.R.S. / Hybrid method for Morbe reservoir Maharashtra Water supply,Thane	Awaited	Awaited	New problem.
9	RSSD	Assessment of storage capacity of Gadale and Dasre Bandhara for LAVASA Corporation.	Partial Awaited	Received	New problem.
10	RSGID	CWC New Delhi- Sedimentation assessment of 30 reservoir in India-study by RST Package I 1) Hathmathi 2) Ghod3) Bhama askhed4) Neera deoghar5) Temghar6) Manikdoh.	Received	70% funds will be received after submission of draft report	MOU Signed on 18/05/2010
11	RSGID	Package II_7) Bisalpur, 8) Jawai, 9) Rangavan, 10) Birsinghpur, 11) Baigul,12) Maniyari	Partially Received	70% funds will be received after submission of draft report	MOU Signed on 18/05/2010
12	RSGID	Package III_13) Kharang,14) Maniyari, 15) Kharkhera, 16) Kodar, 17) Kuttiyadi, 18) Bhavanisagar	Partially Received	70% funds will be received after submission of draft report	MOU Signed on 18/05/2010
13	RSGID	Package IV_19) Chakra, 20) Kodasalli, 21) Nagu, 22) Neyyar, 23) Amravathi, 24) Avalanche	Partially Received	70% funds will be received after submission of draft report	MOU Signed on 18/05/2010
14	RSGID	Package V 25) Mylavram, 26) Gajuta Dinne, 27) Kinerasani, 28) Upper Kolab, 29) Mandira, 30) Nalkari	Partially Received	70% funds will be received after submission of draft report	MOU Signed on 18/05/2010

15	RSGID	Sedimentation study by RST-Sathanur project Tamilnadu	Received	Received	MOU signed on 14/5/2010
16	RSGID	Sedimentation study by RST-Salauli project Goa	Awaited	Awaited	MOU to be signed
17	MT	Roller compacted concrete mix design for middle Vaitarna project under Bruhan Mumbai Muncipal Corp.	Received	Awaited	--
18	MT	National water development agency	Received	Awaited	MOU is under consideration of NWDA.

## 2.15 अंतर्गत संशोधन समस्येचा अभ्यास

SR. NO	DIVN.	NAME OF PROBLEM	DATA	FUNDS	REMARKS / STATUS
1	HYDRO	Stepped spillway v/s Normal ogee spillway	Received	Received	First set of experiment for normal ogee spillway is in progress.
2	RSSD	Joint Venture with RRSSC Nagpur, Inventory of Water bodies in Maharashtra by G.I.S. method.(Marathwada Region.)	Received	Not reqd.	The work is in Progress, Data base updated.
3	RSSD	Assessment of Storage capacity & Sedimentation study of Ghod reservoir. Dist. Ahmednagar, Integrating SRS method with DGPS based Bathymetric survey.	Received	Not reqd.	Report under printing
4	RSSD	Assessment of Storage capacity & Sedimentation study of Yedgaon, Dist. Pune	Received	Not reqd.	Report under finalization ..
5	RSSD	Assessment of Storage capacity & Sedimentation study of Manikdoh, Dist. Pune	Received	Not reqd.	Report under finalization

6	RSSD	Assessment of Storage capacity & Sedimentation study of Hatnur, Dist. Jalgaon	Received	Not reqd.	Work in progress.
7	STRUC TURAL	Analysis of test result data of reinforcement steel testing	Awaited	Awaited	Collection of data and computerization is in progress.
8	STRUC TURAL	Analysis of test result data of rock testing	Awaited	Awaited	Collection of data & computerization is in progress.
9	STRUC TURAL	Analysis of test result data of leachad material for large dams in Maharashtra	Awaited	Awaited	Collection of data and computerization is in progress.
10	M.T.	Study of crackless plastring	Received	Received	Technical report submitted
11	M.T.	Study of Establishing relationship between strength of masonry & strength of mortar for conventional masonry as well as colgrout masonry.	Received	Received	Report submitted
12	M.T.	Study of Establishing use of fly ash in colgrout masonry	Received	Awaited	Funds awaited from DST.
13	M.T.	Fly ash mission , mix design of RCC using fly ash from various thermal power station in India	Received	Partially Received	i) Fly collection from 5 different thermal power station is completed. ii) Mix design of RCC using fly ash casting of specimen from 3 thermal power station is completed (Chandrapur , Kota & Badarpur)ii

					i) 28 & 90 Days testing completed for Chandrapur. For Kota 28 Days testing in progress.
14	M.T.	Study for use of crushed sand in lieu of natural sand.	Received	Partially Received	Casting of specimen is completed. Testing is in progress for different ages. Testing for 28 days and 90 days is completed.
15	S.M.	To relax the filter criteria for dams in Konkan (Talamba Dam –a case study)	Received	Not required	Under progress
16	S.M.	Under seepage control study for MI Projects in Maharashtra	Received	Not required	Sent to D.S.O. for comments in April 2009
17	S.M.	Effect of hight of soil sample on permeability	Received	Not required	Under progress
18	SDAD	Seismicity in Maharashtra (Jan.2009 to Dec.2010)	Received	Not required	Analysis of Data up to Dec.2009 is completed and further work is in progress. The report will be submitted to Govt.up to Aug.2011.

19	SDAD	Collection of earthquake information , earthquake analysis and publication of bulletin.	Received	Not required	Bulletin published quarterly and submitted to Govt.
20	SDAD	Maintenance and repairs to Nashik seismological observatory and other 34 observatories in Maharashtra	Received	Received	Estimate submitted to approval

**2.16 उपकरणे संशोधन विभाग, मेरी, नाशिक यांच्याकडील कार्यक्रम.**

Sr.No.	Name of Problem	Qty.	Remarks
<b>INSTRUMENTATION MANUFACTURING CELL</b>			
<b>A) Erection and Research Activities</b>			
1	Manufacturing & Erection of plumb bobs (conventional and inverted)	14+19	It depends on requirement of project sites
2	Manufacturing of Open Pan Evaporimeter	15	It depends on requirement of project sites
3	Manufacturing of surface settlement plug	10	It depends on requirement of project sites
4	Manufacturing and erection of uplift pressure cell	15	It depends on requirement of project sites
5	Repair to Instruments at Dam site	06	It depends on requirement of project sites
	Total	79	
	<b>B) Research Activities</b> i)To develop equipment to clean leaching material in uplift pressure cell pipe at project site ii)To develop model of concrete dam and earthen dam showing safety instruments which will be helpful for training to project engineers.	--	--
	<b>C) Other activities</b> i) Supply and erection of extension pipes for uplift pressure cell at Lendi Project. ii) Supply and erection of pressure gauge for uplift pressure cell at Upper Manar, Bhatsa, Jayakwadi & Mula Projects.	--	--

<b>Instrumentation repairing Cell</b>			
<b>1</b>	<b>Dumpy level</b>	<b>180</b>	<b>--</b>
<b>2</b>	<b>Prismatic Compass</b>	<b>50</b>	<b>--</b>
<b>3</b>	<b>Theodolite</b>	<b>08</b>	<b>--</b>
<b>4</b>	<b>Leveling stand and staves</b>	<b>30</b>	<b>--</b>
<b>5</b>	<b>Others – Bore side gauge &amp; Planimeter</b>	<b>10</b>	<b>--</b>
<b>Total</b>		<b>278</b>	
<b>Instrumentation procurement cell</b>			
<b>1</b>	<b>a) Annual Inspection of Dam Instruments Installed at various projects in Maharashtra State1) Ujjani (2) Bhatsa (3) Tillari (4) Punand (5) Koyna / Kolkewadi (6) Totladoh (7) Dudhganga (8) Varasgaon (9) Nira deodhar(10) Katepurna (11) Wan (12) Chaskman (13) Nilwande (14) Majalgaon (15) Irai (16) Warna (17) Bhandardara (18) Vir-Baji Pasalkar(19) Lendi (20) Upper Manar (21) Lower Dudhna</b>	<b>21 Projects</b>	<b>--</b>

बैठकीत वरील प्रमाणे चर्चा होवून महाराष्ट्र अभियांत्रिकी संशोधन संस्थेचा वार्षिक संशोधन कार्यक्रम सन २०१०-११ चा अंतिम करण्यात आला. मा. अधीक्षक अभियंता व सहसंचालक यांनी सर्वांचे आभार मानून मा. अध्यक्षांच्या परवानगीने बैठक संपन्न नाल्याचे जाहीर केले.