



GOVERNMENT OF ODISHA

DEPARTMENT OF WATER RESOURCES

**LOWER SUKTEL QUALITY CONTROL & DESIGN DIVISION,
BALANGIR**

UNDER

C.C.E., LOWER SUKTEL PROJECT, BALANGIR

ANNUAL REPORT
for the year 2016-17

Executive Engineer
L.S.Q.C. & Design Division,
Balangir

LOWER SUKTEL QUALITY CONTROL & DESIGN DIVISION, BALANGIR

Initially Chief Research Officer (CRO), Lower Suktel Quality Control Division, Magurbeda at Lower Suktel Dam site was created vide Department of Water Resources Ir. no. 28750/WR dtd.14.09.2005, but virtually started functioning from 09.11.2005. Chief Research Officer was declared drawing and disbursing officer vide memo no. 4250. Dtd.19.12.2005 of the Chief Engineer, Lower Suktel & Lower Indra Project, Nuapada. The office started functioning at Dam Site Colony, Magurbeda since then. During creation of post and fixation of headquarters on restructuring of the cadre of Odisha Engineering Service, this office was renamed as, Executive Engineer, Lower Suktel Quality Control & Design Division with headquarters at Balangir vide DOWR Lr. No. 31013 dtd. 04.12.2013.

There was no building for functioning of this office at Balangir. Hence after shifting of Office of the Chief Construction Engineer, Lower Suktel Project to its new building at Laltikra, Balangir, this Office started functioning as O/o the Executive Engineer, Lower Suktel Quality Control & Design Division, Balangir at old C.C.E. Office at Laltikra (Southern part of the O/o the Deputy Director, Hydrometry, Balangir) **since 05.09.2014** with its furnished Laboratory now at L.S. Dam site colony, Magurbeda.

Staff Position:-

Name of post	Present sanctioned strength	Strength	Vacancy
Executive Engineer (C)	1	1	-
Deputy Executive Engineer (C)	1	-	1
Asst. Executive Engineer (C)	3	2	1
Junior Engineer (C)	1	1	-
Head Clerk	1	1	-
Senior Clerk	2	2	-
Junior Clerk	8	1	7
Junior Stenographer	1	-	1
Peon	10	6	4
Night Watch Man-cum-sweeper	2	2	-
Technical Assistant	4	3	1
Embankment Inspector	3	1	2
Asst. Embankment Inspector	2	-	2
Lab. Assistant	1	-	1
Dark Room Asst.(DRA)	1	-	1

Apart from this , 15 nos. (Work Sarkar-1, Lab. Attended-5, Khalasi-3, Watchman-4, Mate-1, Mulia-1) Work-charges supporting staff are working in this Division.

JURIDICTION

Supervision of Quality Assurance / Control / Monitoring aspects to on-going construction works of

1) L.S. Dam Division, Magurbeda

- i. Earth Dam for RD 00m to 1147m
- ii. Spillway of 271mtr. length & H/R of LS RMC
- iii. Rt Dyke from RD 00m to 1110m including H/R of LS RMC

2) L.S. R R C&B Division, Balangir

3) L.S. Canal Division, Balangir

4) L.S. Canal Division No.II, Loisingha

In addition to monitoring Quality Control aspect of Works of Lower Suktel Project (LSP), **Engineer-in-Chief, W.R. Vide his O/o No. 14107 Dtd. 12.04.2016** entrusted the work of Quality Control testing and monitoring works under **Balangir Irrigation Circle, Balangir** to Executive Engineer, Lower Suktel Quality Control & Design Division Balangir, in addition to its own duties.

Hence this Division looks after monitoring quality control aspect of Lower Suktel Project & works of Divisions under Balangir Irrigation Circle, Balangir i.e. **Balangir Irrigation Division, Balangir, Boudh Irrigation Division, Boudh, Titilagarh Irrigation Division, Titilagarh & Tel Irrigation Division, Sonepur**

CENTRAL LABORATORY AT MAGURBEDA

Central Quality Control Laboratory Building was constructed by Lower Suktel R.R.C. & B Division, Balangir with Electrical Installation including Electricity wiring and handed over to the Chief Research Officer, Lower Suktel Quality Control Division in Sept. 2009. Pedestals were constructed for installation of Quality Control Equipments such as Vibrating table for Concrete cube, Vibrating Machine, Compressive strength testing machine, Muffle Furnace, Consolidation apparatus, Sieve shaker, Sample extractor, Bitumen extractor, Impact value apparatus, Sieving apparatus for Course & Fine Aggregate, Slump Cone, Weighing machine etc. and in operation.

Subsequently additional equipments such as Abrasion testing machine, Permeability test apparatus, Tri-axial shear testing machine, Le-chatelier Bath-tub, Hot-air oven, apparatus for heavy & light compaction, Liquid limit & Plastic limit apparatus etc. have been installed & in operation since there is frequent shut down in power supplies at L.S.P. Dam Site colony, one 3 KVA Honda Generator (EU30IS) has been procured since 07/2016.

DRAWING & DESIGN UNDER L.S.P.

No such major activity has yet been taken up till date Also no such office bearer is available with this Division till date.

A) TECHNICAL STAFF

1. Sri Gokulbandhu Meher, A.E.E.(C)
2. Sri Braja Kishore Dash, A.E.E. (C)
3. Sri Agasti Kanhar, J.E. (C)
4. Sri Dileswar Pradhan, T.A.
5. Sri Prasanna Ku. Debata, T.A.

6. Sri Manoj Kumar Puta, T.A.
7. Sri Abhiraj Naik, E.I.

B) MINISTERIAL STAFF

- | | | |
|-----------------------------|----------------------------|---|
| 1. Sri Dukalu Majhi, | Head Clerk | (Supervision work of both Establishment) |
| 2. Sri Hrusikesh Sahu, | Senior Clerk | (All correspondence of Regular Establishment) |
| 3. Sri Raj Kishore Pradhan, | Senior Clerk | (in-charge of Cashier with W/C Estt.& Bill) |
| 4. Sri Dhanurjya Jena, | Junior Clerk | (Deputed to C.C.E., LSP, Balangir) |
| 5. Sri Subal Sethy, | Peon | (Letter issue & receive) |
| 6. Sri Biswambar Majhi, | Peon | (Work in Division Office) |
| 7. Sri Krutibas Jhadia, | Peon | (Work in Division Office) |
| 8. Sri Sadashiba Khilo, | Peon | (Work in Division Office) |
| 9. Sri Lalit Kumar Meher, | Peon | (Attach to Cashier in Division Office) |
| 10. Sri Surendra Naik, | Night Watchman Cum-Sweeper | (attached to Laboratory, Magurbeda) |
| 11. Sri Durja Harijana, | Night Watchman Cum-Sweeper | (Work in Division Office) |

C) Work-Charged Staff

- | | | |
|-----------------------------------|----------------|---|
| 1. Sri Champeswar Padhan, | Work Sarkar | (attached to estimating branch) |
| 2. Sri Prasanna Kumar Chand, | Lab. Attendant | (attached to Laboratory, Magurbeda) |
| 3. Sri Dambarudhar Chhanda, | Lab. Attendant | (attached to Laboratory, |
| 4. Sri Santosh Kumar Bhukta, | Lab. Attendant | (attached to Laboratory, Magurbeda) |
| 5. Sri Parthaba Bagarti, | Lab. Attendant | ((attached to Laboratory, Magurbeda) |
| 6. Sri Suresh Mahakur, | Lab. Attendant | (attached to Laboratory, Magurbeda) |
| 7. Sri Santosh Kumar Karna, | Mate | (attached to Laboratory, Magurbeda) |
| 8. Sri Rangadhar Chand, | Khalasi | (attached to Sri B.K. Dash, A.E.E.(C)) |
| 9. Sri Shyam Sundar Amat, | Khalasi | (attached to Laboratory, Magurbeda) |
| 10. Sri Hiramani Mendili, | Khalasi | (attached to Laboratory, Magurbeda) |
| 11. Sri Chandra Sekhar Thanapati, | Watchman | (attached to Division Office) |
| 12. Sri Dadhi Palia, | Watchman | (attached to Laboratory, Magurbeda) |
| 13. Sri Ajatna Kampa, | Watchman | (attached to Laboratory, Magurbeda) |
| 14. Sri Gadhi Mukhi, | Watchman | (attached to Division Office) |
| 15. Sri Dinabandhu Bhoi, | Mulia | (attached to Division Office) |

STAFF ON DEPUTATION BASIS

- 1) Sri Belthajar Ekka, A.E.(C) of L.S. Canal Division, Balangir is deputed to this Division vide O/o No. 991 Dated 23.04.2015 Of C.C.E., L.S.P., Balangir and engaged in preparation and Checking of Estimates of works of this Division and assist E.E. during inspection of works.
- 2) Smt. Sunita Kumari Sahu, J.E.(C) of C.C.E., L.S.P, Balangir is deputed to this Division vide O/o No. 2376 Dated 29.12.2016 Of C.C.E., L.S.P., Balangir and is engaged as Estimator & up-keeping of records and day-to-day correspondence of this office & Submission of monthly progress report to the C.C.E., L.S.P, Balangir with copy submitted to the Director Research & Quality Control and Nodal Officer SQMC, BBSR – 12. & Chief Engineer, Quality Control & Research, Odisha, Bhubaneswar.
- 3) Sri Ramesh Kishan, J.E.(C) Contractual of L.S. Canal Division, Balangir is deputed to this Division vide O/o No. 28 Dated 05.01.2017 Of C.C.E., L.S.P., Balangir and engaged in supervision work of earth dam of L.S.P., Balangir.

ENGAGEMENT OF HIRED PRIVATE VEHICLE FOR OFFICE USE

One hired private vehicle No. OD-03- A -1464 is provided to this Division for regular use vide permission obtained from Chief Construction Engineer, Lower Suktel Project Balangir. Sri Belthajar Ekka, A.E. (C) is in-charge of said vehicle under Sri G.Meher A.E.E.(C)

Activities of Quality Control Central Laboratory at Magurbeda

The following Quality Control tests are being carried out in our Central Laboratory at Magurbeda

Cement

- i) Consistency
- ii) Initial setting
- iii) Final setting
- iv) Compressive Strength
- v) Fineness
- vi) Le-Chatliar Expansion (Soundness)

Soil

- i) Compaction
- ii) Specific gravity
- iii) Liquid Limit
- iv) Plastic Limit
- v) Plasticity Index
- vi) Standard penetration test
- vii) Tri-axial Shear test
- viii) Soil Permeability test

Moorum Testing

- i) Compaction
- ii) Specific gravity
- iii) Liquid Limit
- iv) Plastic Limit
- v) Plasticity Index
- vi) Grading

Coarse Aggregate

- i) 40mm Metal=Grading, Specific gravity, Impact, Abrasive
- ii) 20mm Chips=Grading, Specific gravity, Impact, Abrasive, flakiness index & Elongation Index
- iii) 10mm Chips=Grading, flakiness index & Elongation Index
- iv) Gradation of Gr.-I, Gr-II & Gr-III metal with impact & abrasive.

Fine Aggregate

- i) Sand=Grading, Silt Content, Specific Gravity

Concrete

- i) Concrete Mix Design
- ii) Compressive Strength of Concrete Cubes, Mortar Cubes & bricks.
- iii) Slump Test

Activities of Lower Suktel Quality Control & Design Division, Balangir During 2015-16

A) Central Laboratory at Magurbeda

Enclosed in Annexure –“A”

B) Lower Suktel Dam Division, Magurbeda

i) **Construction of Earth Dam from R.D. 271m to 1418m.**

No major Earth work towards construction of Earth Dam from R.D. 271m to 1418m was executed. Only rock-toe from R.D. 405m to R.D. 1360m. completed by June, 2015. Earth Dam raised upto R.L. 190m against TBL of R.L. 210m.

ii) **Construction of Spillway from R.D. 00m to 271m**

Construction of u/s Right abutment and it's u/s wing wall, raised from R.L. 161.00m to R.L. 178m during 2015-16. U/s right abutment concrete of M₁₅ A₄₀ along with M₂₀ A₄₀ concrete core all around has been raised simultaneously. Sri Agasti Kanhar, J.E. (C), Contractual under Sri Gokulbandhu Meher, A.E.E.(C) of this Division is placed permanently at Spillway site to look after quality control aspects. Regular visits are being made to Spillway site towards quality monitoring. Compressive strength of cubes are tested in our Central Laboratory at Magurbeda regularly. Working drawing of left flank of Spillway has not been finalized. Foundation excavation of left flank of Spillway is under progress.

iii) **Construction of Dyke for R.D. 00m to 1100m.**

No construction work is taken up.

iv) **Construction of H/R of LMC between R.D.42.80 to 48.40m of Spillway**

Left flank of Spillway drawing not finalized. Foundation excavation of left flank is under progress.

v) **Construction of H/R of RMC of R.D. 309m of Dyke**

Construction of Dyke is not taken up. (Not finalized due to propose piped Irrigation supplied system)

C) Lower Suktel R.R. C & B Division, Balangir

No major R & R construction activities are executed during 2016-17.

D) Lower Suktel Canal Division, Balangir

Canal Alignment survey executed during 2015-16.

Feasibility Report is still awaited for providing underground piped conduit Irrigation supplies to L.S. left & right ayacut instead of flow irrigation through open channel.

E) Lower Suktel Canal Division, No.II, Loisingha

Canal Alignment survey executed during 2016-17

F) Works under Balangir Irrigation Circle, Balangir

I. **Balangir Irrigation Division, Balangir**

Major works have been inspected.

II. **Boudh Irrigation Division, Boudh**

Some works have been inspected.

III. **Titilagarh Irrigation Division, Titilagarh**

No major works have been taken up & no list of works received from Titilagarh Irr. Division, Titilagarh.

*Executive Engineer,
L.S.Q.C.& Design Division,
Balangir*

Month	Year	Requisition Authority	No. of test conducted							Revenue income (inRs.)	Remarks
			C.A.	F.A.	Soil	Moorum	Cement	Compressive Strength of Concrete Cubes	Concrete Mix Design		
1	2	3	4	5	6	7	8	9	10	11	12
April	2016	Balangir Irr. Division, Balangir	2	2	1	-	3	3	-	4574.00	Bill no.01/16-17
		- do -	-	-	1	-	-	-	-	554.00	2
		M.I.Division Balangir	-	-	-	-	-	8	-	6280.00	3
		Boud Irr. Division, Boudh	1	2	-	-	3	3	-	3863.00	4
May	2016	Balangir Irr. Division, Balangir	2	2	-	-	3	3	-	4020.00	5
		Ret Irrigation Division, Bh. Patna	-	-	-	-	-	-	3	20184.00	6
		Boud Irr. Division, Boudh	1	2	1	-	3	3	-	4417.00	7
		Balangir Irr. Division, Balangir	-	-	1	-	-	-	-	554.00	8
		- do -	-	-	1	-	-	-	-	554.00	9
May	2016	L.S.R.R.C.&B Divn. Balangir	5	2	-	4	3	3	-	5942.00	10
		Titilagarh Irr. Division, Titilagarh	2	-	-	4	-	-	-	1658.00	11
		- do -	2	-	-	-	-	-	-	421.00	12
		Balangir Irr. Division, Balangir	3	2	-	-	3	3	-	4177.00	13
		- do -	-	-	-	-	-	2	-	1570.00	14
		Titilagarh Irr. Division, Titilagarh	2	-	-	4	-	-	-	1658.00	15
		- do -	2	-	-	-	-	-	-	421.00	16
		Balangir Irr. Division, Balangir	-	-	-	-	-	5	-	3925.00	17
		L.S.Dam Divn. Magurbeda, Balangir	-	-	-	-	-	-	2	13456.00	18
		Balangir Irr. Division, Balangir	-	-	-	-	-	7	-	5495.00	19
		L.S.R.R.C.&B Divn. Balangir	1	2	-	-	3	3	-	3863.00	20
		Balangir Irr. Division, Balangir	2	2	1	-	3	3	-	4574.00	21
		M.I.Divn, Balangir	-	-	-	-	-	10	-	7850.00	22
May	2016	Titilagarh Irr. Division, Titilagarh	2	-	-	4	-	-	-	1658.00	23
		Ret Irrigation Division, Bh. Patna	-	-	-	-	-	-	1	6728.00	24
		Balangir Irr. Division, Balangir	2	2	-	-	3	3	-	4020.00	25
		Sub-Total:-	29	18	6	16	27	59	6	112416.00	

Month	Year	Requisition Authority	No. of test conducted					Compressive Strength of Concrete Cubes	Concrete Mix Design	Revenue income (inRs.)	Remarks
			C.A.	F.A.	Soil	Moorum	Cement				
1	2	3	4	5	6	7	8	9	10	11	12
		BF	29	18	6	16	27	59	6	112416.00	
June	2016	Balangir Irr. Division, Balangir	1	2	-	-	3	3	-	3863.00	26
		- do -	-	-	-	-	-	4	-	3140.00	27
June	2016	M.I.Divn., Balangir	-	-	-	-	-	4	-	3140.00	28
		- do -	-	-	-	-	-	4	-	3140.00	29
July	2016	Balangir Irr. Division, Balangir	2	2	1	-	3	3	-	4574.00	30
		- do -	-	-	-	-	-	4	-	3140.00	31
		M.I.Divn., Balangir	-	-	-	-	-	9	-	7065.00	32
		Nuapada Irr. Division, Nuapada	7	3	2	2	-	-	-	3159.00	33
		Balangir Irr. Division, Balangir	-	-	-	-	-	8	-	6280.00	34
		Boudh Irr. Divn., Boudh	-	-	1	-	-	-	-	554.00	35
		Balangir Irr. Division, Balangir	2	2	-	-	3	3	-	4020.00	36
		M.I.Divn., Balangir	-	-	-	-	-	9	-	7065.00	37
August	2016	Balangir Irr. Division, Balangir	2	2	-	-	3	3	-	4020.00	38
		L.S.R.R.C & B Divin. Balangir	2	2	-	-	3	3	-	4020.00	39
		Balangir Irr. Division, Balangir	2	2	-	-	3	3	-	4020.00	40
		Balangir Irr. Division, Balangir	3	-	-	-	-	-	-	491.00	41
		Balangir Irr. Division, Balangir	3	2	-	-	3	3	-	4177.00	42
		M.I.Divn., Balangir	-	-	-	-	-	11	-	8636.00	43
September	2016	Balangir Irr. Division, Balangir	2	2	1	-	3	3	-	4574.00	44
		Ret Irrigation Division Bh.patna	-	-	-	-	-	-	3	20184.00	45
		Ret Irrigation Division Bh.patna	-	-	-	-	-	-	6	40368.00	46
		Ret Irrigation Division Bh.patna	-	-	-	-	-	-	1	6728.00	47
Oct.	2016	L.S.Dam Division, Balangir	3	-	-	-	-	-	-	471.00	48
		L.S.R.R.C&B Division, Balangir	2	-	-	-	-	-	-	314.00	49
Nov.	2016	L.S.R.R.C&B Division, Balangir	2	-	-	-	-	-	-	314.00	50
		Balangir Irr. Division, Balangir	-	-	-	-	-	6	-	4710.00	51
		L.S.Dam Division, Balangir	3	-	-	-	-	-	-	471.00	52
		Ret Irrigation Division Bh.patna	-	-	-	-	-	-	1	6728.00	53
		L.S.Dam Division, Balangir	-	-	-	-	3	3	-	3379.00	54
		L.S.Dam Division, Balangir	-	-	-	-	3	3	-	3379.00	55
		Sub-Total	65	37	11	18	57	148	17	278540.00	

Month	Year	Requisition Authority	No. of test conducted						Compressive Strength of Concrete Cubes	Concrete Mix Design	Revenue income (inRs.)	Remarks
			C.A.	F.A.	Soil	Moorum	Cement					
		B.F.	65	37	11	18	57	148	17	278540.00		
		L.S.R.R.C&B Division, Balangir	3	2			3	3		4177.00	56	
		Ret Irrigation Division-Bh.patna							1	6728.00	57	
		L.S.Dam Division, Balangir							3	20184.00	58	
Dec.	2016	L.S.Dam Division, Balangir							3	20184.00	59	
		Balangir Irr. Division, Balangir				2			3	20184.00	60	
		Balangir Irr. Division, Balangir	2							1730.00	61(1)	
		M.I. Divn. Balangir						3		421.00	61(2)	
		L.S. Dam Division, Balangir.						3		3379.00	62	
		Balangir Irr. Division, Balangir			12				8	6280.00	63	
		M.I.Division, Sonepur.							7	4884.00	64	
		Balangir Irr. Division, Balangir	1	2	2			3		5495.00	65	
		Balangir Irr. Division, Balangir	1	2	2			3		4677.00	66	
		M.I.Division, Balangir							3	4677.00	67	
Jan.	2017	L.S.Dam Division, Balangir							1	785.00	68	
		Balangir Irr. Division, Balangir			3				8	6280.00	69	
		Balangir Irr. Division, Balangir			3					1080.00	70	
		Balangir Irr. Division, Balangir	1	2	3			3		1080.00	71	
		Balangir Irr. Division, Balangir	1	2	3			3		4943.00	72	
		M.I.Division, Balangir							4	4943.00	73	
		L.S.Dam Division								3140.00	74	
		Tel Irr. Division.			3				3	20184.00	75	
		M.I.Division, Balangir								1080.00	76	
		M.I.Division, Balangir						12		9420.00	77	
		Boudh Irr. Division			3				4	3140.00	78	
		Boudh Irr. Division			3					1080.00	79	
		Boudh Irr. Division			3					1080.00	80	
		Boudh Irr. Division			3					1080.00	81	
		M.I.Division, Balangir								1080.00	82	
		Balangir Irr. Division, Balangir	3	2				3	4	3140.00	83	
Feb.	2017	Tel Irr. Division			3				3	4177.00	84	
		Sub-Total	77	49	57	20	78	217	30	444837.00	85	

Month	Year	Requisition Authority	No. of test conducted						Compressive Strength of Concrete Cubes	Concrete Mix Design	Revenue income (inRs.)	Remarks
			C.A.	F.A.	Soil	Moorum	Cement					
		B.F.	77	49	57	20	78	217	30	444837.00		
		M.I.Division, Balangir						13		10205.00	86	
		M.I.Division, Balangir						4		3140.00	87	
		M.I.Division, Balangir						4		3140.00	88	
		M.I.Division, Balangir						2		1570.00	89	
		M.I.Division, Balangir						1		785.00	90	
		M.I.Division, Balangir						2		1570.00	91	
		M.I.Division, Balangir						7		5495.00	92	
		M.I.Division, Balangir						6		4710.00	93	
		M.I.Division, Balangir						7		5495.00	94	
		M.I.Division, Balangir						4		3140.00	95	
		M.I.Division, Balangir						2		1570.00	96	
March	2017	M.I.Division, Balangir						2		1570.00	97	
		L.S.Dam Division						4		3140.00	98	
		L.S.Dam Division	3	2						798.00	99	
		M.I.Division, Balangir						12		9420.00	100	
		M.I.Division, Balangir						2		1570.00	101	
		M.I.Division, Balangir						2		1570.00	102	
		M.I.Division, Balangir						2		1570.00	103	
		M.I.Division, Balangir						2		1570.00	104	
		M.I.Division, Balangir						5		3925.00	105	
		M.I.Division, Balangir						7		5495.00	106	
		Balangir Irr. Division.			3					1080.00	107	
		Balangir Irr. Division.	1	2	3		3	3		4943.00	108	
		Balangir Irr. Division.					3	3		3379.00	109	
		Balangir Irr. Division.					3	3		3379.00	110	
		Balangir Irr. Division.	1	2	3		3	3		4943.00	111	
		M.I.Division, Balangir						14		10990.00	112	
		Boudh Irr. Division			3					1080.00	113	
		M.I.Division, Balangir						3		2355.00	114	
		Balangir Irr. Division.	2	2	3		6	6		8479.00	115	
		Sub-Total	84	57	72	20	96	342	30	556913.00		

Month	Year	Requisition Authority	No. of test conducted					Compressive Strength of Concrete Cubes	Concrete Mix Design	Revenue income (inRs.)	Remarks
			C.A.	F.A.	Soil	Moorum	Cement				
		B.F.	84	57	72	20	96	342	30	556913.00	
		Balangir Irr. Division.	2	2			3	3		4020.00	116
		Balangir Irr. Division.	2	2			3	3		4020.00	117
		Balangir Irr. Division.	2	2			3	3		4020.00	118
		Balangir Irr. Division.	2	2	3		3	3		5100.00	119
		M.I. Division, Balangir.						1		785.00	120
		L.S. Dam Division, Balangir.							2	13456.00	121
		M.I. Division, Balangir.						3		2355.00	122
		M.I. Division, Balangir.						4		3140.00	123
		M.I. Division, Balangir.						3		2355.00	124
		M.I. Division, Balangir.						3		2355.00	125
		Balangir Irr. Division.	2	2			3	3		4020.00	126
		Balangir Irr. Division.	2	2			3	3		4020.00	127
		M.I. Division, Balangir						7		5495.00	128
		L.S. Dam Division, Balangir.						8		6280.00	129
		Grand Total for the year 2016-17.	96	69	75	20	114	389	32	618334.00	

Executive Engineer
L.S.O.C. & Design Division,
Balangir.