

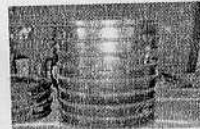
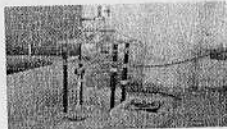
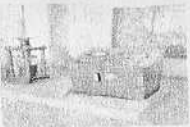
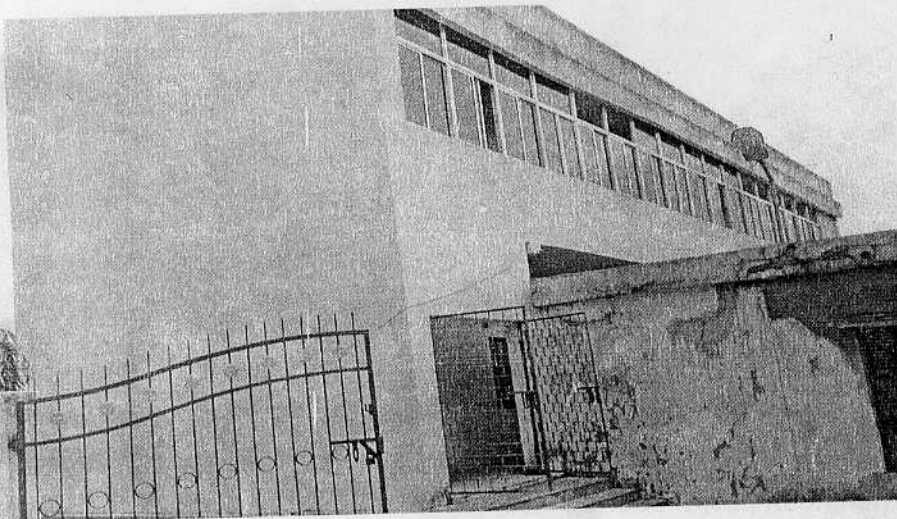


**GOVERNMENT OF ODISHA**  
**DEPARTMENT OF WATER RESOURCES**

**ANNUAL REPORT: 2015-16**

**OF**

**QUALITY CONTROL & DESIGN DIVISION,  
KANUPUR IRRIGATION PROJECT, KEONJHAR**



**JULY, 2016**

**EXECUTIVE ENGINEER**  
**QUALITY CONTROL & DESIGN DIVISION**  
**KANUPUR IRRIGATION PROJECT, KEONJHAR**

# ANNUAL REPORT: 2015-16

QUALITY CONTROL & DESIGN DIVISION,  
KANUPUR IRRIGATION PROJECT, KEONJHAR.

***Er. Janaki Ballav Mohapatra,***

Engineer-in-Chief, W.R. Department  
Government of Odisha, BBSR.

***Er. Tankadhar Sahoo,***

Engineer-in-Chief, Planning Design  
Government of Odisha, BBSR.

***Dr. Rabindra Kumar Panigrahi,***

Chief Engineer, Quality Control & Research,  
W.R. Department, Unit-8, BBSR.

***Er. Dhaneswar Sha***

Chief Engineer & Basin Manager  
Kanupur Irrigation Project, Keonjhar.

***Er. Udaya Nath Sahu,***

Executive Engineer  
Quality Control & Design Division  
Kanupur Irrigation Project, Keonjhar.

## INTRODUCTION:-

Quality Control and Design Division of Kanupur Irrigation Project has been created in order to maintain good quality of work of the project. Accordingly this Quality control & Design division has tried to perform its duty sincerely by conducting regular field visit of all on-going works like Spillway, Head Regulator, Earth work & CDs work of Canal etc. This division has its own laboratory at Basudevpur where test are being conducted. This Quality Control division is also supervising the construction work of Deo Irrigation Project, Karanjia since last one year as per the order of the EIC DoWR Bhubaneswar. Accordingly work distribution among the field staff for smooth execution and achieving good qualities of work have been made.

PRESENT STAFF POSITION OF QUALITY CONTROL AND DESIGN DIVISION KANUPUR IRRIGATION PROJECT, KEONJHAR

Sl.No	Name of the sanctioned post	Sanctioned strength	Staff in Position	Post Vacant	Name of the staff in position	Vacant	Remarks
Engineering Cadre :-							
1	Executive Engineer	1	1	0	SRI UDAYA NATH SAHU	-	
2	AEE	3	2	1	SRI BASANTA KUMAR SAHU	-	
3					SRI MANA RANJAN MARNDI	-	
4					-	Vacant	
5	AE	4	4	0	SRI DILLIP RANJAN TRIPATHY	-	
6					SRI JAGESWAR NAIK	-	
7					SRI DASARATHI NAIK	-	
8	JE				SRI LAXMI NARAYAN BEHERA	-	
9	Tech. Asst	2	2	0	SRI DILLIP KUMAR PRADHAN	-	
10	Tech. Asst				SRI KARUNAKAR PRADHAN	-	
11	EI	1	0	1	-	Vacant	
12	AEI	2	2	0	SRI PRAMOD KUMAR DAS	-	
13					SRI BIRANCHI NARAYAN PANDA	-	
14	Lab. Asst	1	0	1	-	Vacant	
15	Peon	1	1	0	-		

Kanapur Head Works Division, Basudevpur								
Sl. No	Name of the work :-	Agreement No	Agreement Value	Date of Commencement	Date of Completion	Whether SQM visited or not with date	Name of the SQM	Remarks
1	2	3	4	5	6	7	8	9
1	Construction of Earth Dam from RD 00M to RD 1110 M of Kanapur Irrigation Project	04 F2 /2007--08	₹ 4568,49,402.00	19.09.2007	15.09.2016 (EOT Sanctioned)	Yes, 06.07.2015	Er. S.N. Ghosal	
2	Construction of Head Regulator and SHEP upto Bulk Head of Kaupur Main Canal at RD 2460 M of Earth Dam including Excavation of KMC with Lining upto RD 480 M alongwith Structures of K.I.P.	03P1/KHWD of 2013-14	₹ 3699,80,949.00	03.03.2014	02.03.2016	Yes, 07.07.2015	Er. S.N. Ghosal	

A Visit of SQM Er.S.N. Ghosal on dt.06.07.2016 for the work Const. of Earth Dam from RD 0.00M to 1110M of KIP.

Observations :-

- 1 Instructed for green turbing in the D/S portion of the Dam.
- 2 % Compaction of earth was conducted in his presence by taking core & the result found OK.
- 3 Filter materials was verified in the stone packing & found OK.

Frequency of Inspection done by AE/AEE/EE

- 1 AE /AEE are visiting the site regularly when ever work is going on & green turbing has been completed.Further filter materials used in stone packing is being verified frequently in presence of quality control staff .

B Visit of SQM Er S.N. Ghosal on dt.07.07.2016 for the work Const. of Head Regulator and SHEP upto Bulk Head of Kanapur Main Canal at RD 2460M of Earth dam including Excavation of KMC with lining upto Rd480M alongwith structure of KIP.

Observations :-

- 1 Instructed for continuous curing by flooding water in the concreting work.
- 2 Verified some records maintained at laboratory regarding quality control aspect.
- 3 Instructed to go for the concreting work as per design mix.

Frequency of Inspection done by AE/AEE/EE

- 1 AE /AEE are visiting the site regularly when ever work is going on & cube moulds of concrete at different grade are being prepared regularly by the engineering personnel present at site. The design mix of concrete is being done when ever the batch of cement is changed.

Comments:-

Comments of the SQM regarding quality is satisfactory.

Further the issue raised by the SQM at work is being complied by the site engineers.

**Details of SQM Visit**

Name of the Division :-		Kanapur Spillway Division, Basudevpur, Keonjhar						
Sl. No	Name of the work	Agreement No	Agreement Value	Date of Commencement	Date of Completion	Whether SQM visited or not with date	Name of the SQM	Remarks
1	2	3	4	5	6	7	8	9
1	Construction of Spillway of Kanapur Irrigation Project, Basudevpur	19F2/2007-08	₹ 13566,56,000.00	30.11.2007	29.05.2010	Yes, dt.06.07.2015	Er. S.N. Ghosal	

A Visit of SQM Er S.N. Ghosal on dt.06.07.2015 for the work Const. of Spillway of Kanapur irrigation Project, Basudevpur

**Observations :-**

- Instructed for properly use of vibrator in the concrete work.
  - Instructed for continuous curing by flooding water in the concreting work.
  - Instructed for maintaining proper gradation of Coarse aggregates.
  - Instructed to go for the concreting work as per design mix.
  - Instructed to go for Slump test during concreting.
- Frequency of Inspection done by AE/AEE/EE

1 AE /AEE are visiting the site regularly when ever work is going on & Concrete Cube moulds at different grade are being prepared regularly by the engineering personnel present at site & compressive strength of cubes are being tested in the presence of quality control staff . The design mix of concrete is being done when ever the batch of cement is changed & slump test of concrete was done at regular interval during concrete work.

**Comments:-**

Comments of the SQM regarding quality is satisfactory.

Further the issue raised by the SQM at work site was complied by the site engineers.

- The EE, Quality Control Division, KIP Keonjhar visited Spillway work at Basudevpur on dt.22.04.2015 to attend the visit of Principal Secretary DoWR Odisha, Bhubaneswar to Basudevpur.
- The EE, Quality Control Division, KIP, Keonjhar visited Spillway and Dam work at Basudevpur on dt.13.05.2015 to accompany the visit of CE ,KIP and SE Head Work Circle KIP Basudevpur.
- The Executive Engineer Quality Control Division, KIP Keonjhar visited Basudevpur on dt 08.09.2015 to accompany the visit of Director Quality Control, Burla to Basudevpur.
- The Executive Engineer Quality Control Division, KIP, Keonjhar visited Spillway work at Basudevpur on dt.09.02.2016 to accompany the visit of Engineer-in -Chief , DoWR Deptt. Bhubaneswar as well as the Geologist to Basudevpur.

