



**GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES
PURI IRRIGATION DIVISION, PURI**

INFORMATION ON

**ANNUAL ACTIVITY REPORT OF
PURI IRRIGATION DIVISION, PURI
FOR THE YEAR 2016-17**

*Executive Engineer,
Puri Irrigation Division, Puri*

**BRIEF NOTE ON JURISDICTION OF
PURI IRRIGATION DIVISION, PURI**

Jurisdiction: -

Puri Irrigation Division envisages its jurisdiction to command irrigation of Daya-Bhargovi-Doab, (No. - VII) which is part of Delta Stage-II, Major Irrigation Project. It irrigates 49827.58 ha. of ayacut. This is being commanded by two Branch Canals namely Sakhigopal Branch Canal and Kanas Branch Canal. The length of Sakhigopal Branch Canal is 43.830 kms. This runs by the side of Bhargovi right embankment. Similarly the Kanas Branch Canal is 40.110 kms. This runs by the side of Daya left embankment. It's canal network consists of 9 Nos. distributaries of length of 154.70 kms and 162 Nos. of minors and Sub-Minors of length 602.00 kms. In addition to the above Irrigation system, this division looks after some major Flood and saline embankments as detail below:

❖ (A.) CAPITAL EMBANKMENT:

(a)	Daya left embankment 00 km to 60 kms.	60.00 kms.
(b)	Bhargovi right embankment 00 km to 87.50 kms	88.30 kms.
(c)	Bhargovi left embankment 37 kms. to 85 kms.	48.00 kms.
(d)	Bhargovi Ratnachira right and left embankment	44.00 kms.
(e)	Luna right embankment	26.00 kms.
(f)	Luna left embankment	<u>27.00 kms</u>

Total= 293.30 kms.

❖	B). OTHER AGRICULTURAL EMBANKMENT	117.10 kms.
❖	C). TEST RELIEF EMBANKMENT	130.85 kms.
❖	D). SALINE EMBANKMENT	<u>384.49 kms.</u>

Grand Total = 925.74 kms.

There are two nos. of major drainage system in this Doab i.e. (i) Bhargovi-Ratnachira system, (ii) Luna Ratnachira' system. They have total catchments areas of 16573 ha. and 44500 ha. respectively. These systems generate irrigation by the recycling water of the Bhargovi River. The total length of the drains including link drains and subsidiary drains are 438.704 kms. Dhaudia & Kanchi drains irrigate about 1500ha. And Gobardhanpur Barrage system irrigates about 7500 ha. during Rabi Season.

Details of Canal: -

The details of canal system under Mahanadi Delta stage-II and Gobardhanpur Barrage Systems of Puri Irrigation Division are given below.

Name of Canals: -	Ayacut area (CCA)
a) Sakhigopal Branch Canal system (S.B.C.) with its minors and sub minors	29387.40 ha.
b) Kanas Branch Canal system (K.B.C.) with its minors and sub-minors	10903.18 ha.
c) Canal system under Gobardhanpur Barrage (During Rabi, creek irrigation)	7500.00 ha
d) Kanchi Dhaudia system	1560.00ha.

	Total = 49350.58 ha

Resources Inventory:-

This Division has jurisdiction of areas lying between Daya River and Bhorgavi River (Doab-VII). This Division maintains 292.50kms of capital embankments and 128.58kms of T.R. Embankments, 117.10 km Other Agriculture Embankments and 383.21 kms of Saline Embankments (Total 921.36kms). Under the jurisdiction of this division two Branch canal of Puri Main canal i.e. Kanas branch Canal of length 40.110km and Sakhigopal Branch canal of length 43.830km is supplying irrigation during Khariff and Rabi to an area of 11380.00ha and 29387.00ha respectively. In addition there is a Medium irrigation project i.e. Gobardhanpur Barrage Project which providing irrigation to an ayacut area of 7500.00ha in Brahmagiri and Puri Sadar Block during Rabi crops only.

The total major canal embankment roads maintained by this division is of length is 637.648 km out of which 187.245 km is block topped, 3.07 km cement concreted , 320.525 km of water bound macadam roads the balance are earthen road.

Jurisdiction of the Division:-**1. Puri Irrigation sub-division:-**

- a) Puri Headquarter Section
- b) Chandanpur Irrigation Section
- c) Sunamuhin Irrigation Section
- d) Nuapada Irrigation Section
- e) Maluda Irrigation Section

2. Sakhigopal Irrigation Sub-division:-

- a) Head quarter Section , Sakhigopal
- b) Pratap Ramachandra Irrigation Section
- c) Rahadamal Irrigation Section
- d) Rupoadeipur Irrigation Section
- e) Kumareswar Irrigation Section

3. Delang Irrigation Sub-division:-

- a) Delang Head Quarter Section No.-I
- b) Delang Head Quarter Section No.-II
- c) Posal Irrigation Section
- d) Ghoradia Irrigation Section
- e) Kanas Irrigation Section

4. Pipili Irrigation Sub-Division, Pipili

- a) Pipili Head Quarter Section-I
- b) Uttara Irrigation Section
- c) Kanti Irrigation Section
- d) Satasankha Irrigation Section
- e) Dandamukundapur Irrigation Section

Staff Position of this Division:-

1. Gazetted Staff :-

- a) Sr. Divisional Accounts Officer-1
- b) Deputy Executive Engineer -1
- c) Assistant Executive Engineer-3
- d) Assistant Engineer-11
- e) Junior Engineer-2
- f) Assistant Executive Engineer-1 (On deputation)

2. Non gazette Staff:-

- a) Head Clerk -1 (Deputation to Nimapara Irrigation Division, Nimapara)
- b) Sr. Clerk-2
- c) Jr. Clerk-5 (2 Nos. On Deputation to Drainage Division, Puri/ S.E.,C.I..C., BBSR)
- d) Drafts Man-1 No.
- e) Peon :- 10 Nos
- f) Watchman-2 Nos

3. Wages and Work Charge Staff :-

Wages :- 15Nos and Work Charge staff :- 140 Nos total :- 155 Nos

STAFF POSITION OF THE DIVISION

Group of Employee	Sanction strength	Man in Position	Vacancy position
Group-A	6	5	1
Group-B	24	12	12
Group-C	14	9	5
Group-D	14	14	0
Total	58	40	18

PANI PANCHAYAT:-

A)Sakhigopal Branch Canal & its System:-

There are 55 Nos. of Pani Panchayats formed in Sakhigopal Branch canal system. Election of all the 55 Nos. of Panipanchayats comprising area 26798.178 hectare has been done. Election of 4 Nos. of distributary committee has been completed.

B) Kanas Branch Canal& its System:-

Similarly there was programme to form 24Nos. of Pani Panchayats in Kanas Branch canal system. Election of all 24 Nos. Panipanchayats comprising 10184.13 hectare have been completed. Election of 2 Nos. distributary committee is completed.

C) Gobardhanpur Barrage project:-

It has been programmed to form 14 Nos. of Pani Panchayats in the ayacut area of Gobardhanpur Barrage. The Pani Panchayat activities of Gobardhanpur Barrage are under process of finalization as canalization works are under process.

**Sourcing of 75 MLD drinking water for Puri township and Samuka Beach Project
(Components of work to be executed by Water Resources Department, Work value-
137.79 crores)**

BRIEF ONE PAGE NOTE

The Scheme comprises of a storage pond with provision of inlet & outlet structures at Samanga lake area and 6 control structures one each in Gobkund & Bhargavi, & 2 Nos each in both Kanchi Nalla and Dhaudianalla.

Administrative approval accorded for Rs. 243.98 crores.

Water supply to Puri township under JNNURM - Rs. 184.65 crore.

	<u>D.O.W.R.'s share</u>	<u>PHD share</u>	<u>Total</u>
a) Work component of	Rs.103.75 crores	Rs. 63.15 crores	Rs. 166.90 crores
b) Land acquisition	<u>Rs. 4.50 crores.</u>	<u>Rs. 13.25 crores</u>	<u>Rs. 17.75 crores</u>
Total	Rs. 108.25 crores	Rs. 76.40 crores	Rs.184.65 crores

Water supply for Samuka Project:- Rs. 59.33 Crores

	<u>D.O.W.R.'s share</u>	<u>PHD share</u>	<u>Total</u>
a) Work component of	Rs.34.04 crores	Rs. 20.69 crores	Rs. 54.73 crores
b) Land acquisition	<u>Rs. 4.50 crores.</u>	<u>Rs. 0.10 crores</u>	<u>Rs. 4.60 crores</u>
Total	Rs. 38.54 crores	Rs.20.79 crores	Rs. 59.33 crores

Land Acquisition:-

Private Land -	417.72 Acre (169.05 Ha)
Govt. Land -	<u>219.58 Acre (88.86 Ha)</u>
Total	637.30 Acre. (257.91 Ha)

Private Lands

<u>Sl.No.</u>	<u>Mouza</u>	<u>Area</u>	<u>Amount deposited</u>	<u>Present Status</u>
1	Samanga	215.65	Rs.64,65.70	Handed over the land
2	Sireikona	172.95	Rs 13,01.00	Handed over the land
3	Malatipatapur	2.14	Rs. 9.26	Handed over the land
4	Uttarakona	16.27	Rs. 40.32	Handed over the land
5	Batagaon	<u>3.71</u>	<u>Rs. 67.77</u>	Handed over the land
	Total	410.72Acre	Rs.78,84.05 Lakhs	

Possession of Govt.land required to start the work of Pond.

Design of Structures- Entrusted to M/s O.C.C. Ltd. for Rs. 38.45 lakhs. One control structure design approved. Other designs are to be finalized.

Mathematical model study is started to assess the flow in the river system.

78th State TAC for Irrigation Projects meeting was held on 11.10.2012 & the project is recommended for approval. As detailed below.

ANNEXURE-I

1	Construction of Dry weather control structure across Kanchi Nallah near offtaking of Dhaudia Nallah at Malatipatpur	Rs. 144.00 lakhs
2	Construction of Dry weather control structure across 85Mtr U/S of Railway Bridge across Dhaudia Nallah near Malatipatpur	Rs.533.00 Lakhs
3	Construction of Dry weather control structure across 85Mtr U/S of Railway Bridge across across Bhargavi river near Chandanpur	Rs.632.00Lakhs
4	Balance payment for land acquisition vide Collector & District Magistrate, Puri Letter No. 591/Dt.16.9.2016 Letter No. 593/Dt.16.9.2016 Letter No. 595/Dt.16.9.2016	Rs.639.00 Lakhs
5	Execution of Samanga Pond vide Agt. No. 1050F2/2013-14 of EE, PID, Puri a. construction of all Structures Rs. 1333.00 Lakhs b. Stone work and embankment etc. already executed Rs. 3396.00 Lakhs c. Balance pond work <u>Rs.954.00 Lakhs</u> <u>Rs.5683.00 Lakhs</u> Payment made (-) <u>Rs.2940.00 Lakhs</u> Further fund requirement Rs.2743.00 Lakhs	Rs.2743.00 Lakhs
6	Funds required for construction of parking place at samanga during Nabakalebar-2015	Rs.120.00 Lakhs
7	Balance payment of Control Structure at Gobkund cut (Agt. No. 2520F2/2009-10)	Rs.200.00 Lakhs
	Total fund required	Rs.5011.00 Lakhs
	Funds with Puri Municipality, Puri (-)	Rs.783.89 Lakhs
	Earlier Reported	Rs.4227.11 Lakhs
	Balance requirement as of M/s O.C.C Ltd escalation:- Gobkund cut :- Rs. 200.00 lakhs Samanga Pond :-Rs.400.00 Lakhs, Parking area Nabakalebar 2015 :- Rs.130.00 lakhs	730.00 lakhs
	Funds required:-	4957.11 Lakhs

To complete the project "Sourcing of 75 MLD drinking water for Puri township and Samuka Beach Project" the balance amounting to Rs. 4957.11 lakhs may be required and the requisition has been sent to Department of Houseing and Urban Development, Govt. of Odisha for availability of fund.

Annexure - II

ALLOTMENT AND EXPENDITURE FOR THE YEAR 2016-17

(Rupees In lakhs)

Sl. No.	Head of account	Name of the Scheme	Nos. of projects	Total grant received	Actual expenditure	Remarks
1	4701-2826 CLSRP Projects	SP	1	300.38	300.38	
2	4701-IRC & IS Project	SP	2	538.00	488.00	
3	4701-Gobardhanpur Barrage	SP	1	160.00	160.00	
4	4701-65-ADB Assisted projects	SP	4	1352.72	1352.72	
5	4701-DIP project	SP	1	100.00	100.00	
6	4711-21061 NABARD Projects	SP	10	2108.46	2108.46	
7	Flood Control River	SP	32	1202.00	1202.00	
8	Restoration River	SP	21	694.76	694.76	
9	Flood Control Saline	SP	16	389.95	389.95	
10	River Un completed works	SP	3	236.50	236.50	
11	3054-Roads	NP	11	208.00	208.00	
12	Critical river	NP	21	475.00	475.00	
13	Critical Saline	NP	14	330.00	330.00	
14	Critical Canal	NP	27	610.00	610.00	
15	1730-Canal road	NP	3	70.00	70.00	
16	Building	NP	1	15.00	15.00	

UPTODATE EMABANKMENT HEALTH STATUS

Sl. No.	Name of District/Division	Name of River	Location left / right	Category CE / OAE Saline	Name of Embankments	Length in km.	Remarks
1	2	3	4	5	6	7	8
1.	Puri /Puri Irr. Division.	Bhargovi	Left	C.E.	Bhargovi left Embkt. from Gobkund to tail	48.00	Good condition
2.	-do-	Bhargovi	Right	C.E.	Bhargovi right Embkt. from Saradeipur to tail	86.30	Good condition
3.	-do-	Daya	Left	C.E.	Daya left Embkt. from Suali to tail.	60.00	Good condition
4	-do-	Ratnchira	Right & left	C.E.	Bhargovi Ratnachira right & left Embkt.	44.00	Good condition
5	-do-	Luna	Right	C.E.	Luna right embankment	26.00	Good condition
6	-do-	Luna	Left	C.E.	Luna left embankment	27.00	Good condition
					Total	293.30	
7	-do-	Dhaudia	Right	OAE	1. Dhaudia right Embkt.	5.00	Good condition
8.	-do-	Dhaudia	Left	OAE	1. Dhaudia right Left	2.00	Good condition
9.	-do-	Kanchi	Right	OAE	2. Kanchi right Embkt.	8.00	Good condition
10.	-do-	Kanchi	Left	OAE	3. Kanchi left Embkt.	7.00	Good condition
11	-do-	Atharanala (Musana)	Right	OAE	4. Atharanala right Embkt.	5.00	Good condition
12	-do-	Atharanala (Musana)	Left	OAE	5. Atharanala left Embkt.	5.00	Good condition
13	-do-	Nuanai	Left	OAE	6. Nuanai left embankment.	5.00	Good condition
14	-do-	Nuanai	Right	OAE	7. Nuanai right embankment.	8.00	Good condition
15	-do-	Sunamuhin	Right	OAE	8. Sunamuhin Right embankment.	13.00	Good condition
16	-do-	Kurunti	Right & Left	OAE	9. Kurunti right left & right embankment	21.60	Good condition
17	-do-	Luna Ratnachira	Right & Left	OAE	10. Luna Ratnachira right & left Embkt.	12.00	Good condition
18	-do-	Gobkund cut	Right & Left	OAE	11. Gobkund cut embankment.	23.00	Good condition
19	-do-	Surlake cut (Siaro cut)	Right & Left	OAE	12. Niajpur cut embankment.	2.50	Good condition
					Total	117.10	Km.

T.R. EMBANKMENT

Sl. No.	Name of the embankments	Length in km.
1	Eastkania right embankment.	8.00
2	Chadadesphuani right & left	16.00
3	Raghabaganda Bundha	3.50
4	Bedibundh from Alaupur to Patjosipur.	3.50
5	-do- from Barana to Akhupada	2.50
6	-do- from Alapur to Kantasala	3.20
7	-do- from Jaganathpur to Kantasala	4.50
8	-do- from Akhupada to Chasisri	3.45
9	Choudamouza right breachnalla (Right &Left)	6.00
10	Damodarpur Nallah embankment	4.60
11	Kothakan Madhipur bundh	3.60
12	Bhailpur flood embankment (Left)	1.60
13	Hatagadia Flood embankment (Right)	1.60
14	Bhailipur Flood embankment (Right)	4.00
15	Ghatakudi bundh	4.70
16	Barua bundh	4.80
17	Andalsingh ring bundh	6.20
18	Sahanikera ring bundh	2.80
19	Sahanikera Mouza bundh	3.20
20	Sarakani bundh	9.70
21	Goudabundh (leading from Krushnaprangpur to Sahanikera)	3.20
22	Samang cut embankment	3.00
23	Batagaon to Khandia bundh embankment	3.50
24	Baramukundapur	3.20
25	Teisipur Nadakhanda right & left	6.00
26	Nadiakhia link embankment cutting RD 8.50 km of Luna left	1.80
27	Dadaragada T.R.E.	3.00
28	Baidei gherry	2.00
29	Dhanikera TRE	0.50
30	Kaupala TRE	0.50
31	Kaupala to Baniakera	1.20
32	Batagaon Uttarkana	3.50
33	Mangarajpur Khandia Bandha	0.80
34	Alapur to Jenasahi	1.20
	Total	130.85

LIST OF SALINE EMBANKMENT OF PURI IRRIGATION DIVISION

Sl. No.	Name of the embankments	Length in km.
1	2	3
	<u>KRUSHNAPRASAD BLOCK</u>	
1.	Paikerapur saline ring	12.80
2.	Bajrakota saline ring	14.48
3.	Malud saline ring	25.47
4.	Krushnaprasad saline ring	30.27
5.	Sial saline ring	18.20
6.	Kiakudi saline ring	0.80
7.	Hundasamantrapur saline ring	4.00
8.	Mulakapari saline ring	4.60
9.	Kandakhai saline ring	0.88
10.	Jamuna saline ring	2.50
11.	Titipo saline ring	21.30
12.	Nuapada saline ring	8.90
13.	Chitrakota saline ring	5.88
14.	Kurupal saline ring	6.00
15.	Analakudi saline ring	3.00
16.	Bentakuda saline ring	2.50
17.	Satapada saline ring	21.50
18.	Tuagambhari saline ring	10.50
19.	Mahisaberhampur saline ring	8.50
20.	Adhenipari saline ring	2.80
21.	Khirisahi saline ring	2.50
22.	Nadiakhia saline ring	1.80
23.	Siara Khandakera saline ring	0.50
24.	Siara Gunthala saline ring	0.50
25.	Tala Kokal Haridas saline ring	9.00
26.	Uthanikuda saline ring	4.20
27.	Gadachilika ring bundh	1.60
28.	Mangalasingh khara saline ring near vill. Nandala	5.00
	<u>BRAHMAGIRI BLOCK</u>	
29.	East Chilika saline ring	17.00
30.	Talamal podakera saline ring	9.00
31.	Nuanai saline embankment	6.40
32.	Ekanalia saline embankment (left & right)	22.40
33.	Gaudakera saline embankment	1.00
34.	Benakania saline embankment	6.40
35.	Buxikania saline embankment (left & right)	16.00
36.	Southkania saline embankment`	28.80
37.	Choudamouza saline embankment	20.80
38.	Apiti Bhubanpur saline ring (East Chilika Embkt.)	14.09
	<u>KANAS BLOCK</u>	
39.	Kalapadar saline ring bandha	10.41
	Total	384.49