



**ANNUAL ACTIVITY REPORT FOR THE
YEAR 2017-18**

IB INVESTIGATION DIVISION, SUNDARGARH

BRIEF HISTORY

Ib Investigation Division, Sundargarh was created in the year 2003. This division looks after the Survey and Investigation works of different Projects namely, Suidihi Irrigation Project, Samij Irrigation Project, Kala Barrage Project, Korapani Irrigation Project, Chandrinallah Irrigation Project, Ghogar Irrigation Project, Sankhabhanga Barrage Project, Aheerajore Barrage Project, Telijore Irrigation Project and various Instream Storage Structure which are cleared in 74 TAC and 76 TAC..

Ib Investigation Division, Sundargarh comprises of four nos. of Sub-divisions and 11 (eleven) Nos. of Sections as detailed below.

Ib Investigation Sub-division No.I, Sundargarh

- 1) Section No.I (Deputed to Panposh Sub-division)
- 2) Section No.II (To look after Ghogar Irrigation Project, ISS at Bharatpur)
- 3) Section No.III (To look after ISS of Sapai Project, ISS at Sargidihi)

Ib Investigation Sub-division No.II, Sundargarh

- 1) Section No.I (To look after Telijore Irrigation Project, ISS at Darlipali)
- 2) Section No.II (To look after Sankhabhanga Barrage Project , Kudabaga Barrage Project & ISS at Katikela)

Ib Investigation Sub-division No.III, Jharsuguda (functioning at Sundargarh)

- 1) Section No.I (To look after ISS at Amasranga)
- 2) Section No.II (To look after Aheerajore Barrage Project)
- 3) Section No.III (To look after ISS of Thelianallah Project)
- 4) Section No.IV (Deputed to CE, PPF&I, Bhubaneswar)

Panposh Investigation Sub-division, Panposh, Rourkela

- 1) Section No.I (To look after Samij Irr.Project , Kala Barrage Project & ISS at Sankha)
- 2) Section No.II (To look after Suidihi Irr.Project & Korapani Irr.Project & S.I works at Hamirpur)
- 3) Deputed from Sub-dvn.No.I (To look after chandrinallah Irr.Project)

Staff position of Ib Investigation Division, Sundargarh

GAZETTED			NON GAZETTED		
Post	Sanctioned strength	Men in position	Post	Sanctioned strength	Men in position
Executive Engineer	1	1	Divisional Accountant	1 No	Vacant
Asst.Executive Engineer	4	3	Head Clerk	1 No	Vacant
Assistant Engineer	6	6	Senior Clerk	2 Nos	2 Nos
Junior Engineer	6	6	Junior Clerk	7 Nos	Vacant
			Draughtsman	1 No	1 No
			Junior Stenographer	1 No	Vacant
			Daftary	1 No	1 No
			Peon	8 Nos	5 Nos
			Night Watchman	1 No	1 No
G.TOTAL	17	16	G.TOTAL	23 Nos	10 Nos

STATUS OF S/I PROJECTS OF IB INVESTIGATION DIVISION, SUNDARGARH.

1) TELIJORE IRRIGATION PROJECT.

Telijore Irrigation Project envisages construction of a composite Dam near village- Telijore, Block- Balisankara in Sundargarh District across river Ib, which directly drains to Hirakud reservoir to Irrigate 62, 700 Ha of C.C.A in Mahanadi Basin covering 2 districts namely Sundargarh, Jharsuguda of Odisha.

Due to construction of this project at F.R.L 280m, only 2 Nos. of villages namely Telijore & Bankidihi are liable for fully submergence having 368 nos. of families in the state of Odisha and only 3 nos. of villages namely Lawakera, Peruada & Kharibahar are liable for partly submergence (Land only) in the state of Chhatisgarh. The catchment area of the project is 5000 sqkm. Total submergence area is 1692 Ha out of this forest land is 225.61 Ha (approximately). Survey & Investigation works for Foundation exploration, river survey, dam base survey have been completed.

Target for 2017-18 Ayacut area survey of 41518 Ha and Reservoir survey of 813 Ha were given. The target of Ayacut area survey and Reservoir area survey have been achieved during the year.

The survey and Investigation data has been submitted to the C.E, PPF & I, Bhubaneswar for preparation of feasibility report.

2) AHIRAJORE BARRAGE PROJECT.

Ahirajore Barrage Project envisages construction of a barrage near village- Debdarha in Lakhanpur block of Jharsuguda District across Ahirajore nalla, a small stream in Mahanadi Basin which directly drains to Hirakud reservoir.

The object of the project is to provide Irrigation to 2220 Ha in Khariff in 26 villages under Lakhanpur block of Jharsuguda District through two canal system. The pond level of the barrage is 202.50 m. There is no fully submergence of villages in this project, only 2 nos. villages are partly submerged (Land only). Due to this project 14.53 Ha of forest land will be affected. The forest diversion proposal is under process, Stage-I clearance is obtained from MoEF and CC vide teir letter No. 5-ORC303/2016-BHU dt. 04.08.2017.

Forest clearance is taken up by OCC Ltd and Stage-II clearance is under progress. Other survey works have been completed. D.P.R has been accepted by C.W.C. Environmental clearance has been obtained by SEIAA, Odisha vide their letter no. 4031 dtd. 06.01.2018.

3) GHOGAR BARRAGE PROJECT.

Ghogar Barrage Project envisages construction of a barrage near village-Ghogar in Balisankara block of Sundargarh district across river IB of Mahanadi basin. The total catchment area at the project site is 5182 sqkm.. The project aims at construction of 550m long and 4.7m high barrage. The project on completion shall provide irrigation facility to 9980 Ha of C.C.A in Sundargarh district. The pond level of this project has been kept at 265m . The maximum water level is mostly confined within the banks. So there is no submergence area in this project.

Target for 2017-18 Ayacut survey of 3580 Ha and Foundation exploration for 8 nos. were given and the same has been achieved during the year.

The Survey & Investigation works for river survey, barrage base survey, pond area survey have been completed. The survey and Investigation data has been submitted to the C.E, PPF & I, Bhubaneswar for preparation of feasibility report.

4) KARAPANI IRRIGATION PROJECT.

Karapani Irrigation Project envisages for construction of reservoir across the nalla Karapani, a tributary in the left bank of river Brahmani near village Barghat under Lahunipada Block. The catchment area of the project is 121 sqkm. The project aims at construction of 1312m long & 30.50m high earth dam having a central spillway of 16.50m length. On completion of the project it will provide irrigation to 3325 Ha in Khariff and 2100 Ha in Rabi in 9 nos. of villages under Bonai block and 15 nos. of villages under Lahunipada block in Sundargarh district. In this project 2 nos. of villages will be fully submerged and 3 nos. of villages will be partly submerged. 148 nos. of families will be displaced. The forest land to be submerged will be 88.97 Ha. The F.R.L of the project is kept at 190.50m.

Environment clearance has been recommended by SEIAA during 2015-16. D.P.R has been accepted by C.W.C. Forest clearance is taken up by OCC Ltd. and the data collection and verification of Land schedule is completed and identification of CA land is under process. Other survey works have been completed.

5) SAMIJ IRRIGATION PROJECT.

Samij Irrigation Project envisages for construction of reservoir across Samij nalla a tributary of river Brahmani in the left bank near village Jamdihi in Koira block in Sundargarh district. The catchment area of the project is 141.325 sqkm. The length of the dam is 876m. with F.R.L 330m. The project on completion will provide irrigation to 2740 Ha in Khariff and 914 Ha in Rabi of Koira block in Sundargarh district. There are 4 nos. of villages to be submerged in this project and 78.43 Ha (Approximate) of forest land will be submerged in reservoir.

The Survey & Investigation works for river survey, dam base survey, reservoir survey, ayacut survey have been completed. The survey and Investigation data has been submitted to the C.E, PPF & I, Bhubaneswar for preparation of feasibility report.

6) KALA BARRAGE PROJECT.

Kala Barrage Project envisages to construct a barrage project across Kala nalla near village Kaliapal of Barkote block in Deogarh district. The catchment area of the project is 185.00 sqkm. It is proposed to have a pond level of the barrage at R.L. 150m. On completion of the barrage project 4050 Ha of land will be irrigated under Barkote block in the district of Deogarh. About 40 nos. of villages will be benefitted after completion of this project. This project involves 2 nos. of main canal systems i.e left main canal of length 34 Km and right main canal of length 7.90 Km. There is no submergence of villages in this project.

Forest clearance is taken up by OCC Ltd. DGPS survey of Forest area for 27.668 Ha has been completed & certified by ORSAC. The CA land has been identified and issue of FRA certificate is under process. The DPR as per revised guide line of CWC has been submitted to the Chief Engineer, PPF&I for scrutiny.

7) SUIDIHI IRRIGATION PROJECT.

Suidihi Irrigation Project envisages to construct a dam across Hatibura nalla near village Dalakuda of Lathikata block in Sundargarh district. The catchment area of the project is 71.00 sqkm. The project aims at construction of 1250m long and 23m high earth dam having a central spillway of length 60.50m. F.R.L of the project is kept at R.L 213.70m. This project on completion shall provide Irrigation facility to 2909 Ha of land during Khariff and 1130 Ha during Rabi, about 28 nos. of villages will be benefitted under Lathikata & Gurundia block by flow irrigation in Sundargarh district. The project involves 2 nos. of main canal systems i.e left main canal and right main canal. Due to this project 3 nos. of villages will be submerged fully and 1 no of village partly in Lathikata block and the forest land of 48.89 Ha (Approximate) will be submerged.

Target for Ayacut area survey of 2017-18 was 1840 Ha and out of the target survey for 390 Ha has been completed and balance ayacut area survey work will be completed during 2018-19.

The Survey & Investigation works for river survey, dam base survey, reservoir survey have been completed. The survey and Investigation data has been submitted to the C.E, PPF & I, Bhubaneswar for preparation of feasibility report.

8) SANKHABHANGA BARRAGE PROJECT.

Sankhabhanga Barrage Project envisages construction of a barrage across the river Sankhabhanga a tributary in the left bank of river Bheden near village Bhoipali in Jamankira block of Sambalpur district. The catchment area of the project is 481 sqkm. The pond level of the project has been fixed at R.L.230m. The project has been proposed with a C.C.A of 16577 Ha. There is no submergence of villages in this project. Approximately 102.14 Ha of forest land will be submerged in this project. 21 nos. of villages of Sambalpur district and 3 nos. of villages of Jharsuguda district will be benefitted by flow irrigation.

The Survey & Investigation works for river survey, barrage base survey, pond area survey, foundation exploration, ayacut area survey have been completed. The survey and Investigation data has been submitted to the C.E, PPF & I, Bhubaneswar for preparation of feasibility report.

9) CHANDRINALLA IRRIGATION PROJECT.

Chandrinalla Irrigation Project envisages to construct a reservoir across Chandrinalla nalla a tributary in the right bank of river Brahmani near village Gailo of Lathikata Block in Sundargarh district. The catchment area of the project is 121 sqkm. The project aims at construction of 1350m long and 23m high earth dam having central spillway of length 60.50m. This project on completion shall provide irrigation facility to 5000 Ha of C.C.A in 27 nos. of villages of Lathikata block in Sundargarh district. The F.R.L of this project has been kept at 237.00m. By creation of the reservoir total 320.72 Ha of land will be submerged out of which 37.69 Ha (approximately) is forest land. Due to this project 1 no. village shall be fully submerged and 2 nos. of villages shall be partly submerged with displacement of 581 nos. of families.

Target for 2017-18, 2093 Ha of Ayacut area survey was given and out of that 1410 Ha has been achieved. The survey for balance ayacut area 683 Ha will be completed during 2018-19.

10) LOW HEIGHT STORAGE STRUCTURE ACROSS RIVER SAPAI AT PHULBARI.

The proposed Low Height Storage Structure across river Sapai is located near village Phulbari in Bargaon block of Sundargarh district. The project aims at construction of 140mtr long and 2.5 mtr high Low Height Storage Structure. The total catchment area at the project site is 299 Sqkm. The pond level of this project has been kept at 239.00mtr. The project on completion shall provide Irrigation facility to 2543 Ha of Land by lift irrigation in Bargaon block of Sundargarh district. The maximum water level is mostly confined within the bank. So there is no submergence of lands in this project.

Target for 2017-18 , 2543 Ha of Ayacut area survey was given and out of that 2044 Ha has been achieved. The survey for balance ayacut area 499 Ha will be completed during 2018-19. Target for 100 Ha of pond area was given and the same has been achieved.

11) LOW HEIGHT STORAGE STRUCTURE ACROSS RIVER SANKHA AT GOPAPALI

The proposed Low Height Storage Structure across river Sankha is located near village Gopapali in Lathikata block of Sundargarh district. The project aims at construction of 240mtr long and 4 mtr high Low Height Storage Structure. Free catchment area at the project site is 819 Sqkm. The pond level of this project has been kept at 176.00mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands. The project on completion shall provide Irrigation facility to 1500 Ha of Land by lift irrigation in Lathikata block of Sundargarh district.

Target for 2017-18 , 720 Ha of Ayacut area survey was given and out of that 242 Ha has been achieved. The survey for balance ayacut area 478 Ha will be completed during 2018-19.

12) INSTREAM STORAGE STRUCTURE ACROSS RIVER BHEDEN AT KATIKELA

The proposed Instream Storage Structure across river Bheden is located near village Katikela in Jharsuguda block of Jharsuguda district. The project aims at construction of 150mtr long and 5 mtr high Instream Storage Structure. The total catchment area at the project site is 2563 Sqkm. The pond level of this project has been kept at 195.92 mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands in this project. The project on completion shall provide Irrigation facility to 2000 Ha of Land by lift irrigation in Jharsuguda block of Jharsuguda district.

Target for 2017-18 , river survey 30 nos., barrage base survey 6.25 Ha, pond area survey 86 Ha, ayacut area survey 2000 Ha, foundation exploration 16 nos. were given and the same have been achieved.

13) CONSTRUCTION OF PICK-UP WEIR ACROSS RIVER KOEL AT HAMIRPUR

The proposed Instream Storage Structure across river Koel is located near village Hamirpur in Rourkela Tahasil. The project aims at Construction 470m long and 4.5m high instream storage structure. The total catchment area of the project site is 12064 Sqkm. The pond level of this project has been kept at 195.92mtr. the project on completion shall provide water supply to Rourkela township and lift irrigation of 1200 Ha.

Target for 2017-18 , foundation exploration for 32 nos. of holes were given and the same have been achieved

The records and data of the project has been submitted to O/o the Executive Engineer, Sundargarh Irrigation Division, Sundargarh for construction purpose.

14) BARRAGE PROJECT ACROSS RIVER IB AT KUDABAGA.

Kudabaga Barrage Project envisages construction of a barrage near village Kudabaga in Sundargarh block of Sundargarh district across river IB of Mahanadi basin. The total catchment area at the project site is 6521 Sqkm. The project aims at construction of 550m long and 5.00m high barrage. The project on completion shall provide irrigation facility to 8000 ha of CCA in Sundargarh Block through flow irrigation. The maximum water level is mostly confined within the banks. So there is no submergence area in this project. The Survey and Investigation works is under progress.

Target of 2017-18 , foundation exploration for 38 nos. of holes and ayacut area survey for 8000 Ha were given and foundation exploration for 38 nos of holes and 5926 Ha of ayacut area survey have been achieved. The balance ayacut area and survey works for river L.S, C.S, barrage base and pond area will be taken up during 2018-19.

15) INSTREAM STORAGE STRUCTURE ACROSS RIVER ICHHA NEAR BHARATPUR.

The proposed Instream Storage Structure across river Ichha is located near village Bharatpur of Lephripada Block in Sundargarh district. The project aims at construction of 100mtr long and 4.50mtr high Instream Storage Structure. The total catchment area at the project site is 374 Sqkm. The pond level of this project has been kept at 222mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands. The project on completion shall provide Irrigation facility to 2000 Ha of Lephripada Block of Sundargarh district.

Foundation exploration work has been completed and other survey and investigation works will be completed in 2018-19.

16) INSTREAM STORAGE STRUCTURE ACROSS RIVER BASUNDHARA AT DARLIPALI.

The proposed Instream Storage Structure across river Basundhara is located near village Darlipali of Lephripada Block in Sundargarh district. The project aims at construction of 120mtr long and 4.00 mtr high Instream Storage Structure. The total catchment area at the project site is 481 Sqkm. The pond level of this project has been kept at 208.00 mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands. The project on completion shall provide Irrigation facility to 1000 Ha of Lephripada Block of Sundargarh district.

Foundation exploration work has been completed and other survey and investigation works will be completed in 2018-19.

17) INSTREAM STORAGE STRUCTURE ACROSS RIVER SAPAI AT AMASRANGA.

The proposed Instream Storage Structure across river Sapai is located near village Amasranga of Sadar block of Sundargarh. The project aims at construction of 217 mtr long and 2.50 mtr high Instream Storage Structure. The total catchment area at the project site is 865 Sqkm. The pond level of this project has been kept at 215.00 mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands. The project on completion shall provide Irrigation facility to 2000 Ha of Sundargarh Block.

Foundation exploration work has been completed and other survey and investigation works will be completed in 2018-19.

18) INSTREAM STORAGE STRUCTURE ACROSS RIVER LAHARANGA AT SARGIDIHI.

The proposed Instream Storage Structure across river Laharanga is located near village Sargidihi of Bamara Block of Sambalpur District. The project aims at construction of 130 mtr long and 6.00 mtr high Instream Storage Structure. The total catchment area at the project site is 229 Sqkm. The pond level of this project has been kept at 220.50 mtr. The maximum water level is mostly confined within the bank. So there is no submergence of lands. The project on completion shall provide Irrigation facility to 2000Ha of Bamara Block.

Foundation exploration work has been completed and other survey and investigation works will be completed in 2018-19.

