



GOVERNMENT OF ODISHA
DEPARTMENT OF WATER RESOURCES

ANNUAL REPORT 2017

DESIGNS DIVISION-I
LOWER INDRA IRRIGATION PROJECT
KHARIAR

FORWARD

It is a matter of great pleasure & Satisfaction for me that the “**Annual Report-2017**” could be brought out for the first time for the year 2016-17. The important features which find place in the report are primarily based on designs of canal structures.

Regular seminar, technical papers, discussion, training workshop and field visit should be carried instead of mostly concentrating on the routine design work.. The technical staff requires regular training for a better exposure and a positive atmosphere for design oriented activities.

EXECUTIVE ENGINEER
L.I DESIGNS DIVISION-I
KHARIAR

INTRODUCTION

Designs Division, Khariar is situated on Khariar block in Nuapada district. This Division Established on 19.07.2001 with the prime objective of designing of different irrigation structures for Lower Indra Irrigation Project.

ORGANIZATION SETUP

This Division is headed by a Executive Engineer under the Administrative control of Chief Engineer, Lower Indra Irrigation Project. The Executive Engineer is assisted by five Assistant Executive Engineer. Besides, other important technical staff is Assistant Engineer-one, one draftsman and one tracer. Total number of non technical ministerial staff of 6nos including senior clerk and junior clerk.

PRESENT STATUS OF DESIGNS DIVISION-I, KHARIAR STAFF POSITION

TECHNICAL HEAD

SANCTION STRENGTH

1. EXECUTIVE ENGINEER

1NO

- i. Er. Sunil Kumar Pradhan .

2. ASSISTANT EXECUTIVE ENGINEER

5 NOS

- i. Er.Rajanikanta Mahapatra.
- ii. Er. Smaranika Sahu
- iii. Er. Dhruva charan Pradhan
- iv. Er. Bibhuti Bhusan pradhan (Deputed to Lower Sukhtel Irrigation project BALANGIR)
- v. Er. Rasananda Panda (Deputed to Liaison office Bhubaneswar)
- vi. Er. Lokanath Puhan (Deputed from C.C.E. office)
- vii. Er. Mousumi Munday (Deputed from C.C.E. office)

3. A.E.

NIL

4. J.E.

- i. Er. Abhaya Kumar Jena (Deputed from L.I. canal Division –II, Bongomunda)

5. DRAFTSMAN

FOUR

- i. Akhaya kumar Barik
- ii. Jamidar Pradhan (Deputed from Chief Engineer LIIP)
- iii. Gangadhara Barik (Deputed from Llc khariar)
- iv. Bijaya kumar Dehury (Deputed from EE LI Mechanical Division)

6. TRACER

ONE

- i. Vacant

NON-TECHNICAL STAFF (MINISTERIAL STAFF)

1.SENIOR CLERK

2NO

- i. Sri Guru charan Bagh
- ii. vacant

2. JUNIOR CLERK

5NO

- i. Vacant
- ii. Vacant
- iii. Vacant
- iv. Vacant
- v. Vacant

3. PEON

7Nos

- i. Sri.. Rabi Pujari
- ii. Sri Dibya kumar Gouda.
- iii. Sri Dushmanta Naik
- iv. Srmt. Banita Tripathy
- v. Vacant
- vi. Vacant
- vii.** Vacant

4. NIGHT WATCHMAN CUM SWEEPER ONE

i. Smt. Damayanti Pangli

LIST OF APPROVED DRAWINGS OF LEFT MAIN CANAL FOR THE YEAR 2016-17						
S.I. NO	FILE NO.	DRAWING NO	NAME OF THE STRUCTURE	NAME OF CANAL	APPROVED BY	DATE OF APPROVAL
1.	1724/16	1784/16	1.7 m fall at RD 90m	KUTRABEDA S/M-I	C.E	21.05.16
2.	1725/16	1785/16	1.7m fall at RD 180m	KUTRABEDA S/M-I	C.E	21.05.16
3.	1726/16	1786/16	VRB AT RD 630M	DIATON BRANCH CANAL	C.E	02.06.16
4.	1727/16	1787/16	VRB at RD 8140m	DIATON BRANCH CANAL	C.E	02.06.16
5.	1728/16	1788/16	VRB at RD 1140m	DIATON BRANCH CANAL	C.E	02.06.16
6.	1729/16	1789/16	VRB at RD 1140m	DIATON BRANCH CANAL	C.E	02.06.16
7.	1730/16	1790/16	ADD. DRAINAGE SYPHON AT RD 37395M	L.M.C	C.E	28.06.16
8.	1731/16	1791/16	ADD. DRAINAGE SYPHON AT RD 39425M	L.M.C	C.E	28.06.16
9.	1732/16	1792/16	HR CUM 1.7M FALL OF KUTRABEDA S/M-1 O.T AT RD 24930M OF L.M.C	L.M.C	S.E	30.06.16
10.	1733/16	1793/16	CD(SUPPER PASSAGE) AT RD 60M	KUTRABEDA S/M-1	S.E	30.06.16
11.	1734/16	1794/16	CD (DRAINAGE SYPHON)AT RD 405M	KUTRABEDA S/M-1	S.E	30.06.16
12.	1735/16	1795/16	HR CUM 1.00M FALL OF GODHUAPADAR S/M-II	L.M.C	S.E	30.06.16

13.	1736/16	1796/16	CD AT RD 270M	GORDHUAPADAR S/M-II	S.E	30.06.16
14.	1737/16	1797/16	CD(SUPPER PASSAGE) AT RD 120M	KOTENMUNDA S/M-II	S.E	30.06.16
15.	1738/16	1798/16	CD(SUPPER PASSAGE) AT RD 950M	KOTENMUNDA S/M-II	S.E	30.06.16
16.	1739/16	1799/16	CD(SUPPER PASSAGE) AT RD 1200M	KOTENMUNDA S/M-II	S.E	30.06.16
17.	1740/16	1800/16	CD(SUPPER PASSAGE) AT RD 1740M	KOTENMUNDA S/M-II	S.E	30.06.16
18.	1510/14	1801/16	1.5M FALL AT RD 840M	BAHABAL S/M-I	C.C.E	22.08.16
19.	1503/14	1802/16	1.5M FALL AT RD 330M	BAHABAL S/M-I	C.C.E	22.08.16
20.	1511/14	1803/16	1.2m fall at RD 930m	BAHABAL S/M-I	C.C.E	22.08.16
21.	1514/14	1804/16	1.0M FALL AT RD 330M	BAHABAL S/M-I	C.C.E	22.08.16
22.	1517/14	1805/16	1.0M FALL AT RD 540M	BAHABAL S/M-I	C.C.E	22.08.16
23.	1509/14	1806/16	1.5m fall at RD 720m	BAHABAL S/M-I	C.C.E	22.08.16
24.	1513/14	1807/16	1.0m fall at RD 120m	BAHABAL S/M-I	C.C.E	22.08.16
25.	1531/14	1808/16	1.0m fall at RD 960m	BALKHAMAR S/M-I	C.C.E	22.08.16
26.	1728/14	1809/16	0.5m fall at RD 480m	BALKHAMAR S/M-I	C.C.E	22.08.16
27.	1540/14	1810/16	1.0m fall at RD 540m	BALKHAMAR S/M-II	C.C.E	22.08.16
28.	1541/14	1811/16	1.00m fall at RD 690m	BALKHAMAR S/M-II	C.C.E	22.08.16
29.	1542/14	1812/16	1.5m fall at RD 780m	BALKHAMAR S/M-II	C.C.E	22.08.16
30.	1588/14	1813/16	1.00m fall at RD 1740m	TITISILATE MINOR	C.C.E	22.08.16
31.	1518/14	1814/16	1.00m fall at RD 690m	BAHABAL S/M-II	C.C.E	30.08.16
32.	1538/14	1815/16	1.00m fall at RD480m	BALKHAMAR S/M-II	C.C.E	30.08.16
33.	1546/14	1816/16	1.5m fall at RD 1050m	BALKHAMAR S/M-II	C.C.E	30.08.16

34.	1522/14	1817/16	1.2m fall at RD 1020m	BAHABAL S/M-II	C.C.E	30.08.16
35. 1	1525/14	1818/16	1.5m fall at RD 90m	BALKHAMAR S/M-I	C.C.E	30.08.16
36.	1529/14	1819/16	1.00m fall at RD 720m	BALKHAMAR S/M-I	C.C.E	30.08.16
37.	1543/14	1820/16	1.5m fall at RD 840m	BALKHAMAR S/M-II	C.C.E	30.08.16
38.	1494/14	1821/16	0.5m fall at RD 1290m	RANIPUR S/M	C.C.E	30.08.16
39. 1	1580/14	1822/16	1.5m fall at RD 690m	TITISILATE MINOR	C.C.E	30.08.16
40. 1	1536/14	1823/16	1.00m fall at RD 300m	BALKHAMAR S/M-II	C.C.E	30.08.16
41.	1591/14	1824/16	1.00m fall at RD 1920m	TITISILATE MINOR	C.C.E	30.08.16
42.	1547/14	1825/16	1.5m fall at RD 1110m	BALKHAMAR S/M-II	C.C.E	30.08.16
43. 1	1508/14	1826/16	1.00m fall at RD 600m	BALKHAMAR S/M-I	C.C.E	30.08.16
44.	1527/14	1827/16	1.5m fall at RD 330m	BALKHAMAR S/M-I	C.C.E	30.08.16
45.	1526/14	1828/16	1.5m fall at RD 210m	BALKHAMAR S/M-I	C.C.E	30.08.16
46.	1500/14	1829/16	VRB at RD 1745m	RANIPUR S/M	C.C.E	30.08.16
47.	1545/14	1830/16	VRB at RD 1015m	BALKHAMAR S/M-II	C.C.E	30.08.16
48.	1497/14	1831/16	VRB at RD 1630m	RANIPUR MINOR	C.C.E	30.08.16
49.	1581/14	1832/16	1m fall at RD 1050m	TITISILATE MINOR	C.C.E	31.08.16
50.	1582/14	1833/16	1m fall at RD 1290m	TITISILATE MINOR	C.C.E	31.08.16
51.	1544/14	1834/16	1.5m fall at RD 960m	BALKHAMAR S/M-II	C.C.E	31.08.16
52.	1496/14	1835/16	0.5m fall at RD 1590m	RANIPUR S/M	C.C.E	31.08.16
53.	1506/14	1836/16	1.5m fall at RD 420m	BAHABAL S/M-I	C.C.E	30.08.16
54.	1549/14	1837/16	1.0m fall at RD 1200m	BALKHAMAR S/M-II	C.C.E	31.08.16
55.	1532/14	1838/16	1.00m fall at RD 1050m	BALKHAMAR S/M-I	C.C.E	31.08.16
56.	1519/14	1839/16	1.00M FALL at RD 750 m	BAHABAL S/M-II	C.C.E	31.08.16
57.	1521/14	1840/16	1.00m fall at RD 960m	BAHABAL S/M-II	C.C.E	31.08.16

58.	1480/14	1841/16	VRB NO-1 at RD 137 m	RANIPUR S/M	C.C.E	19.09.16
59.	1530/14	1842/16	VRB at RD 768 m	BALKHAMAR S/M-I	C.C.E	19.09.16
60.	1505/14	1843/16	VRB NO-2 at RD 384 m	BAHABAL S/M-I	C.C.E	19.09.16
61.	1590/14	1844/16	VRB NO-4 at RD 1050 m	TITISILATE MINOR	C.C.E	19.09.16
62.	1524/14	1845/16	VRB at RD 1191m	BALKHAMAR S/M-I	C.C.E	19.09.16
63.	1539/14	1846/16	VRB-1 at RD 508 m	BALKHAMAR S/M-I	C.C.E	19.09.16
64.	1488/14	1847/16	VRB-2 at RD 818m	RANIPUR S/M	C.C.E	19.09.16
65.	1490/14	1848/16	VRB at RD 975 m	RANIPUR S/M	C.C.E	19.09.16
66.	1516/14	1849/16	I VRB NO-1 at RD 507m	BAHABAL S/M-II	C.C.E	19.09.16
67.	1548/14	1850/16	VRB NO-3 at RD 1150m	BALKHAMAR S/M-li	C.C.E	19.09.16
68.	1484/14	1851/16	VRB at RD 430m	RANIPUR S/M	C.C.E	24.09.16
69.	1520/14	1852/16	VRB NO-2 at RD 800m	BAHABAL S/M-I	C.C.E	24.09.16
70.	1584/14	1853/16	VRB NO-2 at RD 1402 m	TITISILATE MINOR	C.C.E	24.09.16
71.	1587/14	1854/16	VRB NO-3 at RD 1630m	TITISILATE MINOR	C.C.E	24.09.16
72.	1537/14	1855/16	VRB NO-1 at RD 414 m	BALKHAMAR S/M-II	C.C.E	24.09.16
73.	1551/14	1856/16	VRB NO-4 at RD 1265 m	BALKHAMAR S/M-II	C.C.E	24.09.16
74.	1502/14	1857/16	VRB NO-1 at RD 32 m	BAHABAL S/M-I	C.C.E	24.09.16
75.	1539/14	1858/16	VRB NO-1 at RD 675 m	TITISILATE MINOR	C.C.E	24.09.16
76.	147814	1859/16	H.R. at RD 00 m of Ranipur S/M	Ranipur S/M OF JHARIAL DISTY	C.C.E	05.11.16
77.	1574/14	1860/16	H.R. at RD 00 m of Titisilate Minor	TITISILATE MINOR	C.C.E	05.11.16
78.	1501/14	1861/16	H.R. at RD 00 m of Bahabal S/M	JHARIAL DISTY	C.C.E	05.11.16
79.	1534/14	1862/16	H.R. at RD 00 m of Balkhamar S/M	BALKHAMAR S/M-II, JHARIAL DISTY	C.C.E	05.11.16
80.		1863/16	V.R.B. at RD 2220 m	TUKULA S/M-I	C.C.E	03.11.16
81.		1864/16	1.20m fall at RD 2670 m	TUKULA S/M-I	C.C.E	03.11.16

82.		1865/16	1.50m fall at RD 510 m	TUKULA S/M-II	C.C.E	03.11.16
83.		1866/16	V.R.B. at RD 67m	JHARIAL DISTY	C.C.E	03.11.16
84.		1867/16	V.R.B. at RD 1440 m	TUKULA S/M-I	C.C.E	03.11.16
85.		1868/16	1.50m fall at RD 360 m	TUKULA S/M-I	C.C.E	03.11.16
86.		1869/16	V.R.B. at RD 480 m	TUKULA S/M-I	C.C.E	03.11.16
87.		1870/16	V.R.B. at RD 914m	SANDOHEL MINOR	C.C.E	03.11.16
88.	1054/10	1871/16	CD no-17 at RD 1020 m	BONGOMUNDA BRANCH CANAL	C.C.E	24.11.16
89.	1052/10	1872/16	CD no-15 at RD 9060 m	BONGOMUNDA BRANCH CANAL	C.C.E	24.11.16
90.		1873/16	H.R at Khariar Disty.	KHARIAR DISTRIBUTARY	C.C.E	24.11.16
91.	1738/116	1874/16	V.R.B. at RD 20 m	KHARIAR S/M	C.C.E	24.11.16
92.	1050/10	1875/16	Drainage Syphon at RD 8460 m	BONGOMUNDA BRANCH CANAL	C.C.E	28.12.16
93.	1051/10	1876/16	C.D. No-14 at RD 8580 m	BONGOMUNDA BRANCH CANAL	C.C.E	28.12.16
94.	1737/16	1877/16	Fall at RD 160 m	KHARIAR S/M	C.C.E	21.12.16
95.	1739/16	1878/16	Fall at RD 48m	KHARIAR S/M	C.C.E	21.12.16
96.	1740/16	1879/16	Fall at RD 730m	MONDOSIL S/M	C.C.E	21.12.16
97.	1741/16	1880/16	Fall at RD 1565m	MONDOSIL S/M-II	C.C.E	21.12.16
98.	1742/16	1881/17	Fall at RD 1410m	MONDOSIL S/M-II	C.C.E	21.12.16
99.	1743/16	1882/17	Fall at RD 1605m	MONDOSIL S/M-II	C.C.E	06.1.17
100.	1744/16	1883/17	Fall at RD 410 m	KHARIAR S/M	C.C.E	06.1.17
101.	1745/16	1884/17	Fall at RD 246 m	KHARIAR S/M	C.C.E	06.1.17
102.	1746/16	1885/17	Fall at RD 470 m	KHARIAR S/M	C.C.E	30.12.16
103.	1747/16	1886/17	H.R. at RD 00 m	KHARIAR S/M	C.C.E	30.12.16
104.	1735/16	1890/17	Addl. VRB at RD 429 m	MAMIYAN DISTY	C.C.E	17.01.17
105.	1733/16	1891/17	Addl. VRB at RD 775 m	MAMIYAN DISTY	C.C.E	17.01.17
106.	1752/17	1893/17	CD at RD 6690 m	BONGOMUNDA BRANCH CANAL	C.C.E	28.01.17
107.	1063/10	1894/17	CD at RD 9960 m	BONGOMUNDA BRANCH CANAL	C.C.E	28.01.17
108.	1224/12	1895/17	CD NO-5 at RD 990 m	MONDOSIL S/M-II	C.C.E	02.02.17
109.	1225/12	1896/17	CD NO-6 at RD 1140 m	MONDOSIL S/M-II	C.C.E	02.02.17
110.	1751/17	1897/17	1.00m fall at RD 150m	BOLDHA S/M	C.C.E	02.02.17

111.	1752/17	1898/17	2.00m fall at RD 1245m	BOLDHA S/M	C.C.E	02.02.17
112.	1753/17	1899/17	2.00m fall at RD 360 m	BOLDHA S/M	C.C.E	02.02.17
113.	1754/17	1900/17	2.00m fall at RD 1530 m	BOLDHA S/M	C.C.E	02.02.17
114.	1755/17	1901/17	2.00m fall at RD 1650 m	BOLDHA S/M	C.C.E	02.02.17
115.	1756/17	1902/17	2.00m fall at RD 690 m	BOLDHA S/M	C.C.E	02.02.17
116.	1757/17	1903/17	2.00m fall at RD 1033 m	BOLDHA S/M	C.C.E	02.02.17
117.	1758/17	1904/17	2.00m fall at RD 1170 m	CHICHER MINOR	C.C.E	02.02.17
118.	1759/17	1905/17	Fall at RD 390m	CHICHER MINOR	C.C.E	02.02.17
119.	1760/17	1906/17	2.00m fall at RD 960 m	CHICHER MINOR	C.C.E	02.02.17
120.	1761/17	1907/17	1.5m fall at RD 1275 m	CHICHER MINOR	C.C.E	02.02.17
121.	1762/17	1908/17	fall at RD 630 m	CHICHER MINOR	C.C.E	02.02.17
122.	1763/17	1909/17	fall at RD 300 m	CHICHER MINOR	C.C.E	02.02.17
123.	1771/17	1910/17	CD at RD 195 m	BOLDHA S/M	C.C.E	12.02.17
124.	1772/17	1911/17	VRB cum FALL at RD 480m	BOLDHA S/M	C.C.E	17.02.17
125.	1773/17	1912/17	1.00 fall at RD 560 m	MONDOSIL S/M- III	C.C.E	17.02.17
126.	1774/17	1913/17	1.00 fall at RD 730 m	MONDOSIL S/M- III	C.C.E	17.02.17
127.	1775/17	1914/17	CD at RD 60 m	BOLDHA S/M	C.C.E	17.02.17
128.	1776/17	1915/17	HR cum FALL at RD 6360m	TUKULA DISTY.	C.C.E	17.02.17
129.	342/17	1916/17	CD at RD 120 m	KOTENMUNDA MINOR	C.C.E	17.02.17
130.	1329/13	1917/17	CD NO-2 at RD 390 m	SANGAMADA S/M-II	C.C.E	17.02.17
131.	1777/17	1918/17	CD at RD 560 m	BOLDHA S/M	C.C.E	23.03.17
132.	1778/17	1919/17	1.00 fall at RD 1505 m	MONDOSIL S/M- III	C.C.E	23.03.17
133.	1779/17	1920/17	CD at RD 840 m	CHICHER MINOR	C.C.E	23.03.17
134.	1780/17	1921/17	VRB at RD 160m	KHARIAR S/M	C.C.E	23.03.17
135.	1781/17	1922/17	VRB at RD 330m	BOLDHA S/M	C.C.E	23.03.17
136.	1782/17	1923/17	VRB at RD 1633m	BOLDHA S/M	C.C.E	23.03.17
137.	1783/17	1924/17	VRB at RD 915m	BOLDHA S/M	C.C.E	23.03.17
138.	1784/17	1925/17	VRB at RD 770m	BOLDHA S/M	C.C.E	23.03.17
139.	1785/17	1926/17	VRB at RD 375m	BOLDHA S/M	C.C.E	23.03.17
140.	1786/17	1927/17	VRB at RD 500m	BOLDHA S/M	C.C.E	23.03.17

141.	1787/17	1928/17	HR at RD 1817m	CHALANPADA S/M	C.C.E	10.03.17
142.	1788/17	1929/17	CD at RD 570m	CHICHER S/M	C.C.E	10.03.17
143.	1790/17	1930/17	CD at RD 360m	CHICHER S/M	C.C.E	10.03.17

LIST OF APPROVED DRAWINGS OF RIGHT MAIN CANAL FOR THE YEAR 2016-17						
S.I. NO.	FILE NO.	DRAWING NO	NAME OF THE STRUCTURE	NAME OF CANAL	APPROVED BY	DATE OF APPROVAL
1	1748/17	1887/17	HR at RD 12930 m	DUAJHAR DISTY.	C.C.E	17.01.17
2	1749/17	1888/ 17	VRB at RD 427m	KUSUMAL MINOR	C.C.E	17.01.17
3	1750/17	1889/17	Culvert at RD 1550m	KOTENMUND A MINOR	C.C.E	17.01.17
4	1751/17	1892/17	CD at RD 8670m	DUAJHAR DISTY.	C.C.E	26.01.17