

NAME OF DIVISION	SATKHIRA OEM DIVISION-1, BWDB, SATKHIRA.
NAME OF CIRCLE	KHULNA O & M CIRCLE, BWDB, KHULNA.
NAME OF ZONE	SOUTH-WESTERN ZONE, BWDB, KHULNA.

Construction of Regulator I went at Dumuria km 28.550 over Dumuria khal in polder no-15 under "Rehabilitation of polder 15 at satkhira district" project under satkhira OEM Division-1, BWDB, Satkhira during the year 2021-22.

Design Data  
for



**BANGLADESH WATER DEVELOPMENT BOARD**

لَهُمْ لِنَفْسٍ كُلُّ مُؤْمِنٍ  
كُلُّ مُؤْمِنٍ لِنَفْسِهِ  
أَنْ يُنْهَا إِلَيْهِ الْمُرْسَلُونَ  
(الْأَنْعَامُ ١٧٦)

~~Police~~  
me

لِلْمُؤْمِنِينَ هُوَ الْأَكْبَرُ  
عَلَىٰ إِنَّمَا يَنْهَا عَنِ الْمُؤْمِنِينَ  
الْمُؤْمِنُونَ لَمْ يَنْهَا  
( ۱۴ )

卷之三

ପ୍ରକାଶକ ମେଳାନ୍ତିର

۱۷

କୁଳକାନ୍ତିର

“**مَلِكُوكْلَا** (مَلِكُوكْلَا مَلِكَةٌ ۖ) مُعَذَّبًا لِمَا فَعَلَ”

۱۵۰

କାଳେଖାନ୍ତିର

Station No.	Name of Station	Length of records available	Remarks

Yes  No

length of records available :

3.1.1 Is there any rainfall station within the catchments area? If so, specify the name(s) and

### 3.1 Rainfall Data :

### 3. HYDROLOGICAL DATA

2.3 Site Plan : Attached

2.2 Basin Map : Attached

2.1 Project Index Map : Attached

### 2. MAPS

#### irrigation

1.7	Retention of post monsoon water for :	<input type="checkbox"/>
1.6	Flushing of irrigation water :	<input checked="" type="checkbox"/>
1.5	Prevention of flood	<input type="checkbox"/>
1.4	Prevention of pre-monsoon flood	<input type="checkbox"/>
1.3	Post monsoon drainage	<input type="checkbox"/>
1.2	Monsoon drainage	<input type="checkbox"/>
1.1	Pre-monsoon drainage	<input checked="" type="checkbox"/>

Identify the purpose(s) that has to be served by the structure and put tick mark accordingly :

### 1. PURPOSE OF THE STRUCTURE

#### Structure

: 660 Ha

Catchments Area above the

Net : 3441 Ha

C Project Area Gross : 5500 Ha

B Name of the Structure : Construction of Regulator Iven at Dumuria km 28.550 over

Dumuria khali in polder no-15 under "Rehabilitation of polder 15 at satkhira district" project under

satkhira OEM Division-I, BWD, Satkhira during the year 2021-22.

A Name of the Project : "Rehabilitation of polder 15 at satkhira district" project under satkhira

OEM Division-I, BWD, Satkhira.

mentioned herein.

While submitting proposal for the design of Sluice, Regulator or Water Control Structure, this Data Checklist shall be filled up and sent to the design office along with other requisites

DATA CHEKLIST FOR THE DESIGN OF DRAINAGE SLUICE/ REGULATOR/WATER RETENTION STRUCTURE

Station No.	Name of Station	Length of records available	Distance (u/s or d/s) from structure	Remarks
CL- 506	Kaikhali	1989-2017		

3.1.2 Specify the name and length of records of the rainfall station close to the catchments of the proposed structure :

3.2 Water Level Data :

Station No.	Name of Station	Length of records available	Remarks
SW 165	Kobadak	1990-2020	7.000 Km (D/S)

3.2.1 Is there any water level station on the outfall river at or near the structure site? If so, mention the name of the station(s) :

3.2.2 Specify the name of at least one station U/S and one station D/S of the structure site with distance :

3.3.2 Specify the name of at least one station U/S and one station D/S of the structure site with distance :

3.3.3 Is there any water level station on the drainage channel corresponding the proposed structure? If so, specify the name :

3.3.4 Mention the highest flood level (H.F.L) ever experienced in the basin indicating the source of the record  From average public information.

3.3.5 Is there any record of discharge in the drainage channel? If so, enclose the data as available:

4.1 (a) Are the banks of the out fall river and drainage channel at or near the structure site stable?

<input type="checkbox"/>	No	<input checked="" type="checkbox"/> Yes
--------------------------	----	---

Enclose discharge data for the year of ..... at station .....

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
------------------------------	--

#### 4. MORPHOLOGICAL DATA

Enclose discharge data for the year of ..... at station .....

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
------------------------------	--

4.2 Cross-section of the drainage channel for at least 1.000 km/u/s and 0.000 km/d/s of the

Average rate of erosion ..... m/year (approx.).  
(c) What is the average rate of erosion in each year?  
Enclosed ..... No. of Map.

(b) If not, show the movement of the bank in each year in a map.

4.3 Long section of the drainage channel for at least 0 Km/u/s from the structure site and up to

the outfall river in the d/s

Enclosed 4 (Four) No(s) of cross section.

Enclosed 0 (Zero) No(s) of long section.

4.4 Cross-section of the outfall river from length of 300m u/s and 300m d/s from the confluence point of drainage channel and the outfall river.

Enclosed 03 (Three) No(s) of cross section.

5.1 Data related with Embankment / Road connecting the structure  
5.1.1 Existing or proposed road / embankment profile for at least 150m on each side of the

proposed structure:

5.1.2 Existing or proposed top elevation, top width and side slopes of embankment / road at the structure site:  
New Embankment Design Data Submitted

5.1.3 Type of expected traffic loading on road/embankment.

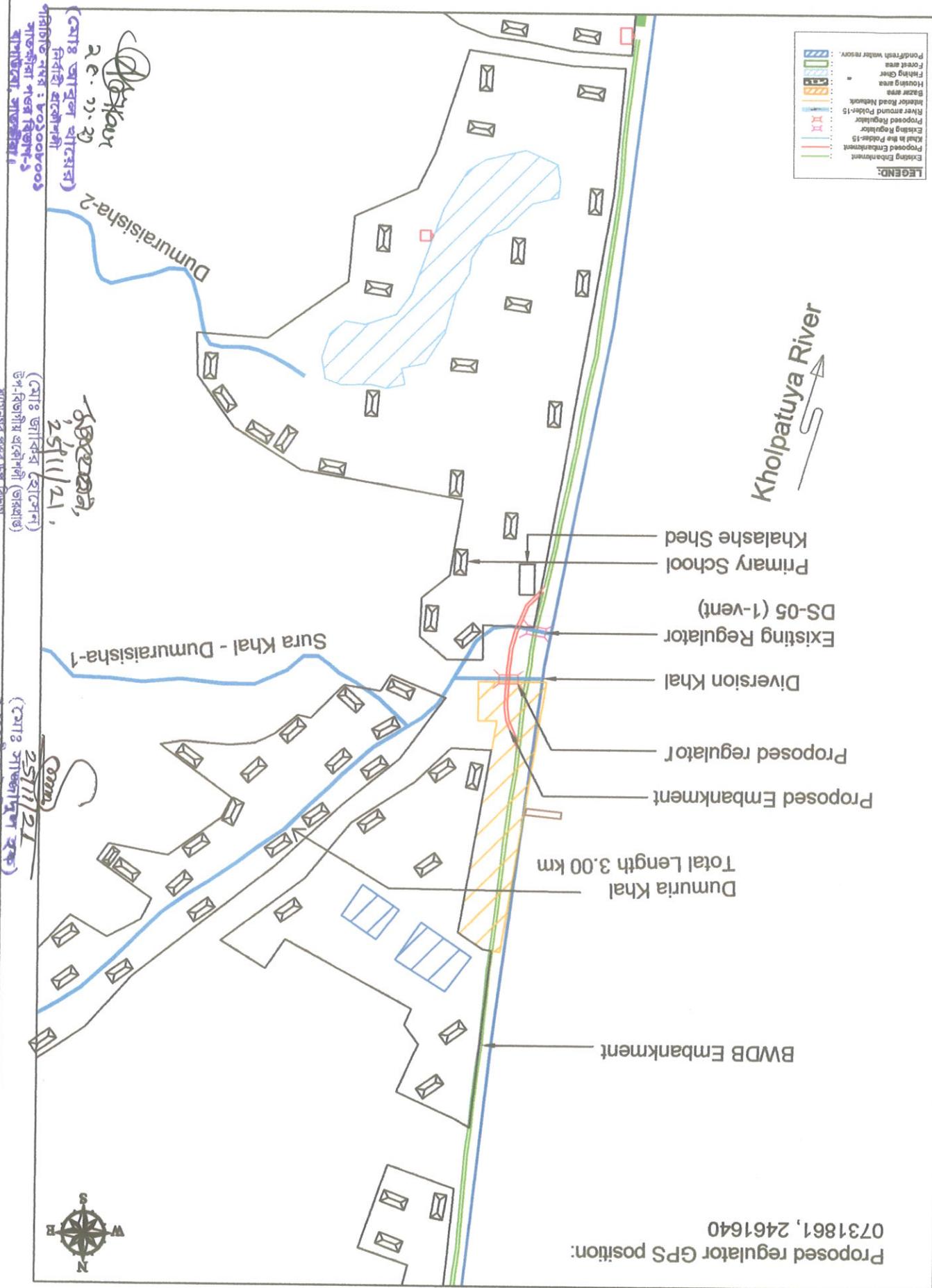
- i) Top Elevation : 5.00 m
- ii) Top Width : 5.00 m
- iii) C/S Slope : I : 2.5
- iv) R/S Slope : I : 3



Proposed regulator GPS position:  
0731861, 2461640

Division-I, BWD, Salkhra during the year 2021-22.

Site Plan for Construction of Regulator L-vent at Dumuria km 28.550 over Dumuria khal in polder no-15 under "Rehabilitation of polder 15 at salkhra district" project under salkhra O&M



Spot Level for Construction of Regulator 1 vent at Dumuria km 28.550 over Dumuria khal in polder no-15 under  
 "Rehabilitation of polder 15 at satkhira district" project under satkhira O&M Division-1, BWDB, Satkhira during the year  
 2021-22.

Existing G.L(mPWD)		0.01	0.96	1.18	1.50	1.80	1.74	1.71	1.63	1.73	1.70	1.721
100		(0.01)	(0.96)	(1.18)	(1.50)	(1.80)	(1.74)	(1.71)	(1.63)	(1.73)	(1.70)	(1.721)
90		(3.74)	(3.85)	(3.93)	(4.04)	(4.01)	(3.90)	(4.00)	(4.09)	(4.09)	(4.16)	(4.19)
80		(1.91)	(1.93)	(1.83)	(1.82)	(1.71)	(1.32)	(1.61)	(2.20)	(1.60)	(1.61)	(1.62)
70		(1.90)	(1.86)	(1.78)	(1.75)	(1.65)	(1.28)	(1.58)	(2.15)	(1.57)	(1.62)	(1.67)
60		(1.45)	(1.47)	(1.44)	(1.43)	(1.45)	(1.49)	(1.46)	(1.03)	(-0.11)	(1.09)	(1.18)
50		(1.50)	(1.51)	(1.48)	(1.47)	(1.49)	(1.51)	(1.48)	(1.05)	(-0.48)	(1.14)	(1.24)
40		(1.33)	(1.30)	(1.29)	(1.27)	(1.25)	(1.06)	(1.18)	(1.12)	(-0.55)	(1.09)	(1.18)
30		(-1.37)	(-0.53)	(0.83)	(0.68)	(0.71)	(0.66)	(1.22)	(0.58)	(-0.67)	(1.11)	(1.18)
20		(-1.42)	(-0.41)	(0.86)	(0.71)	(0.67)	(0.61)	(1.27)	(0.55)	(-0.71)	(1.14)	(1.21)
10		(0.25)	(-0.67)	(-1.31)	(0.04)	(0.09)	(0.87)	(0.27)	(-0.61)	(1.14)	(1.13)	(1.19)
0		(0.20)	(-0.77)	(-1.41)	(0.03)	(-0.03)	(0.96)	(0.29)	(-0.64)	(1.19)	(1.20)	(1.16)

২৫/১/২১  
 (মোট সামগ্রী দখল হচ্ছে)  
 কাটয়ানোর পথের আপোনা কর্মসূত  
 গাড়িয়ে, পায়ানোর সাতক্ষী।  
 (মোট জাতীয় ট্রান্সেন্সে  
 ইপ-বিভাগীয় অঞ্চলীয় তৈরীকৃত)  
 শ্বামগঞ্জ পতেক প্রক-বিভাগ  
 বালাইবা, শ্বামগঞ্জ, সাতক্ষী।

0      10      20      30      40      50      60      70      80      90      100

Google Map For Construction of Regulator 1vent at Dumuria km 28.550 over Dumuria khal in polder no-15 under "Rehabilitation of polder 15 at satkhira district" project under satkhira O&M Division-1, BWDB, Satkhira during the year 2021-22.

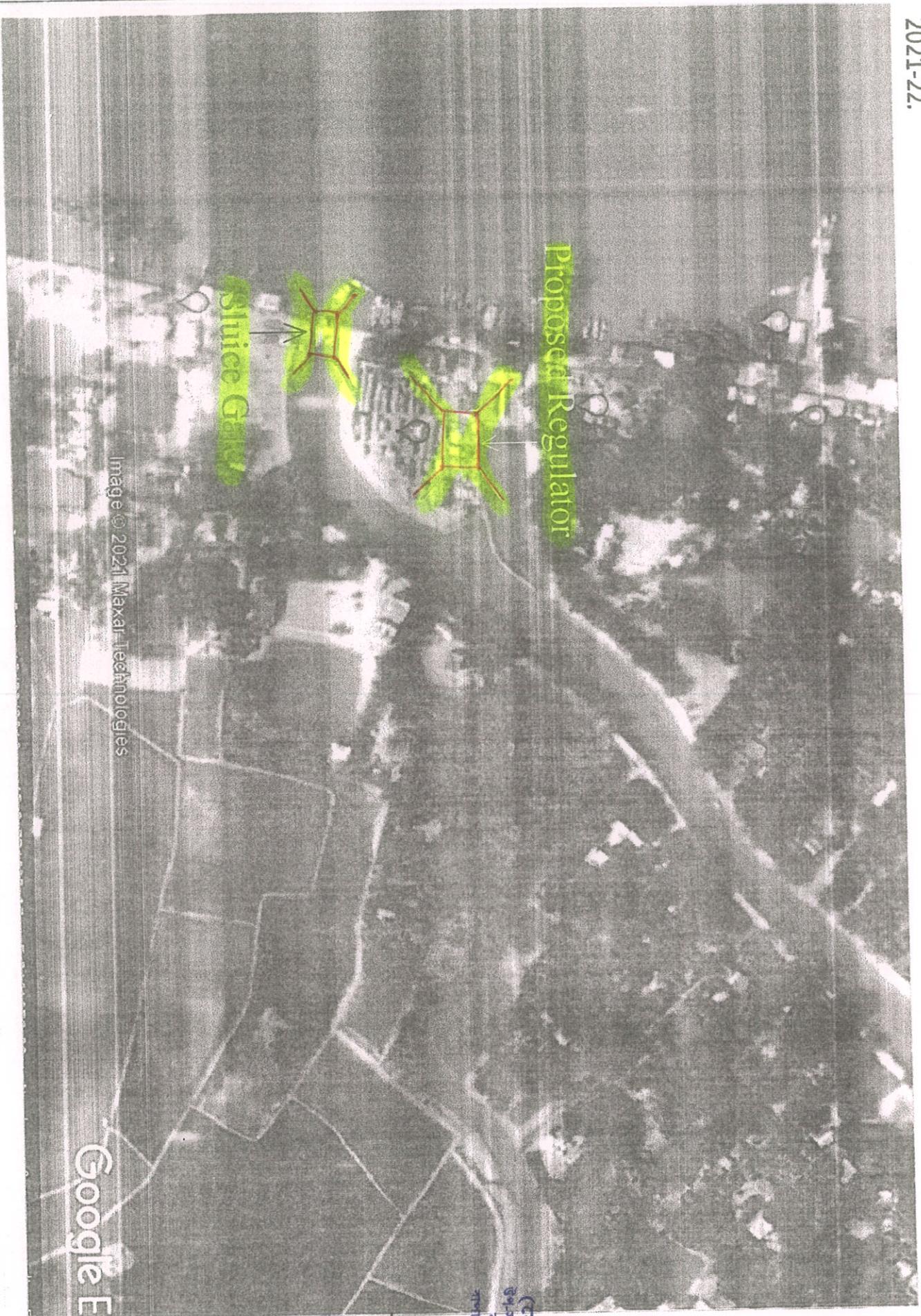


Image © 2021 Maxar Technologies

Google E

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২৫/১/২১  
(মোঃ জাকির হোসেন)  
উপরিতার প্রকৌশলী (তরঙ্গত)  
গুমনস পর্যটন উন্নয়ন  
সংস্থা, শামদার, সাতকীরা।

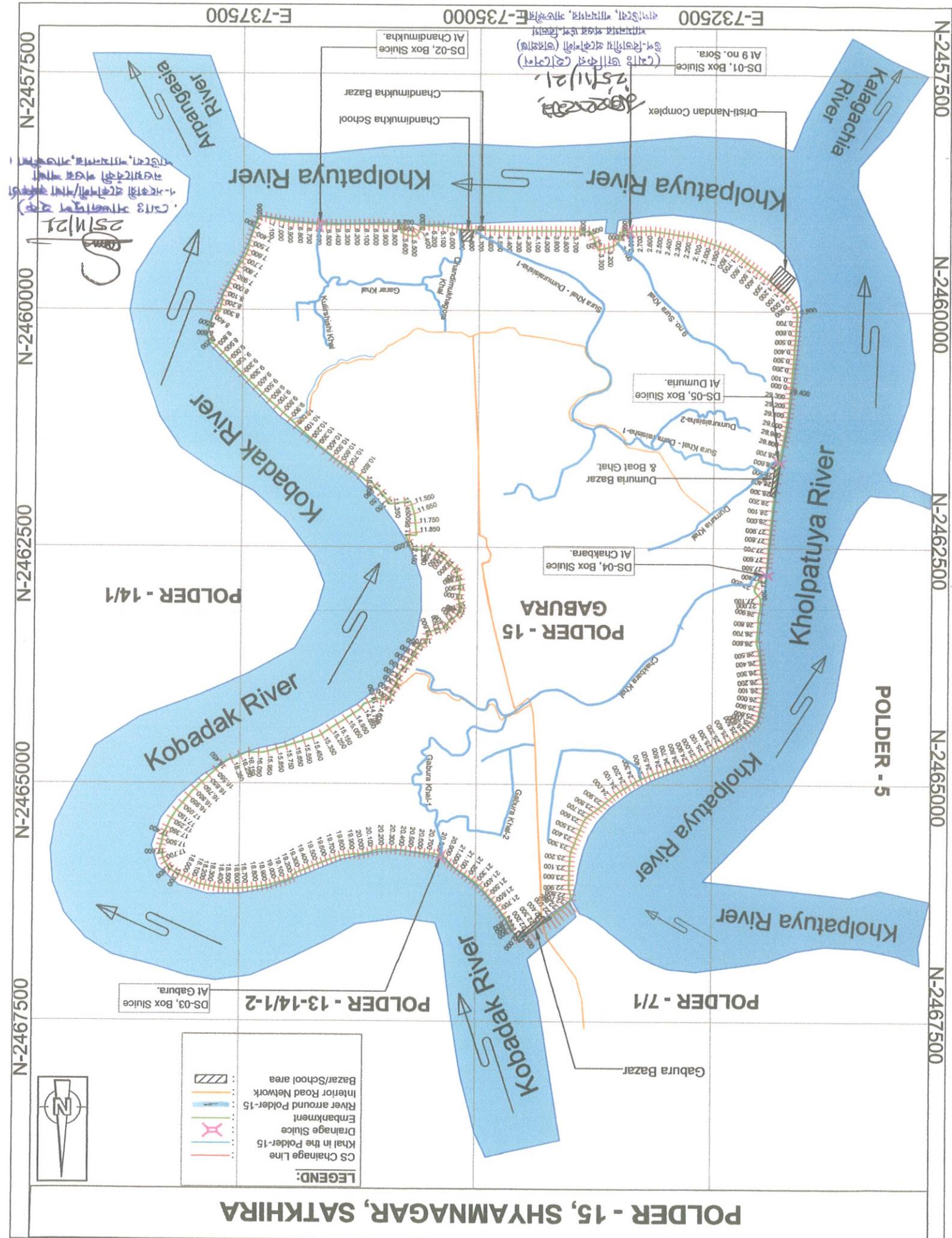
**Basin Map for Construction of Regulator 1 vent at Dumnuris km 28.550 over Dumnuris Khal in polder no-15 under "Rehabilitation of polder 15 at Sakhira district" project under Sakhira O&M Division-1, BWDB, Sakhira during the year 2021-22.**



(ମୋଟ ଡାକିର ହୋସେନ) ଡି-ପି-ବିଭାଗୀୟ ପ୍ରକୋଶିତି (ତାରଥାତ୍) ଶ୍ରୀଯମନ୍ ପତ୍ର ଡି-ପି-ବିଭାଗୀୟ ପାଦାନ୍ତିବା, ଶ୍ରୀଯମନ୍ତର, ସାତକ୍ଷୀଳୀ

Google Earth

ମୋଟ ସାତଜୀନ୍ଦୁଳ ହକ୍  
ମେ-ମରକାରୀ ସାମାଜିକୀୟାବଳୀ କର୍ମଚାରୀ  
ନାଗବୈଶି ପତ୍ର ଲାଖୀ  
ପାପାଟିଥୀ, ଶ୍ୟାମନଗର, କାତକିରା ।

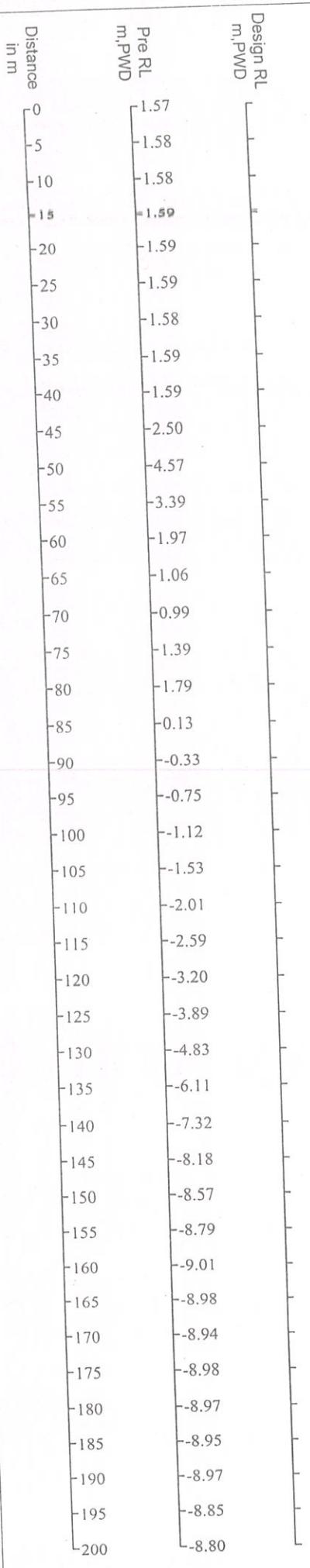
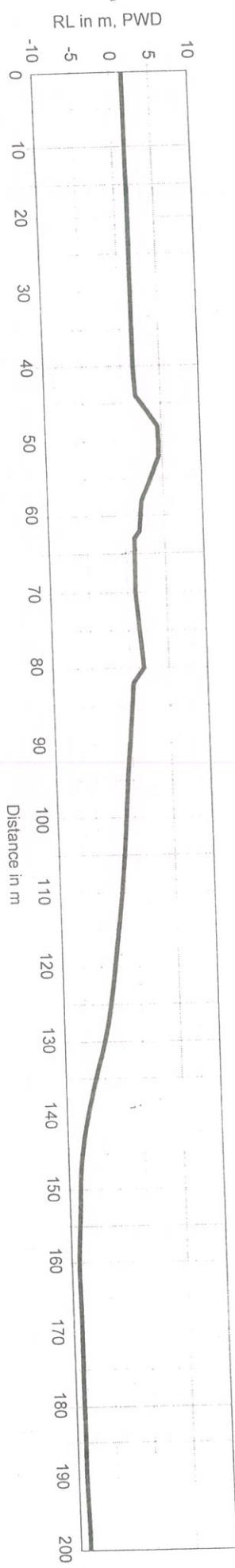


Outfall river cross section kholpatuya(300m U/S)

CS start at: E= 73191754,N= 2461996.24

CS end at: E= 73171938,N= 2462023.27

Km. 28.250



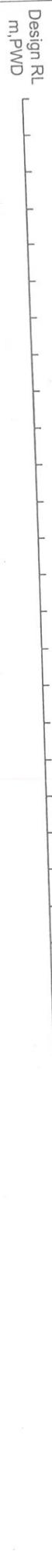
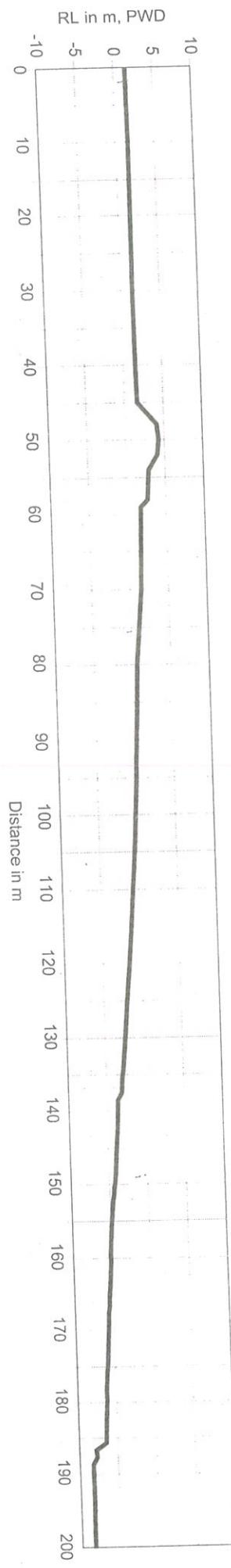
(S)

Outfall river cross section kholpatuya(C/L)

CS start at: E= 731884.75,N= 2461700.05

CS end at: E= 731685.66,N= 2461719.85

Km. 28.550

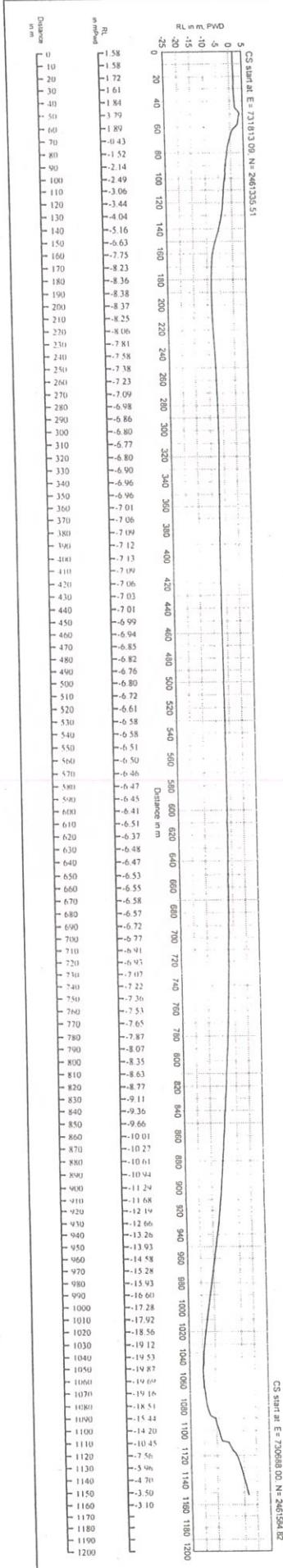


Distance  
in m

(S)

Outfall river cross section kholpatuya(300m D/S)

CS 377 (Km. 28.850)



**ପ୍ରକାଶନୀ**  
 (ମୋଟ ଜୀବିତରେ ହେଲେଣି)  
 (ପ୍ରକାଶନୀ ଅବଧିଶଳୀ ଭାବରେ)  
 ଶ୍ରୀମଦ୍ଭଗବତ ପଦାର୍ଥ ଉତ୍ସ-ବିଭାଗ  
 ବାଲୁଆରୀ, ଶ୍ରୀମଦ୍ଭଗତ, ଶାତକୀୟା।

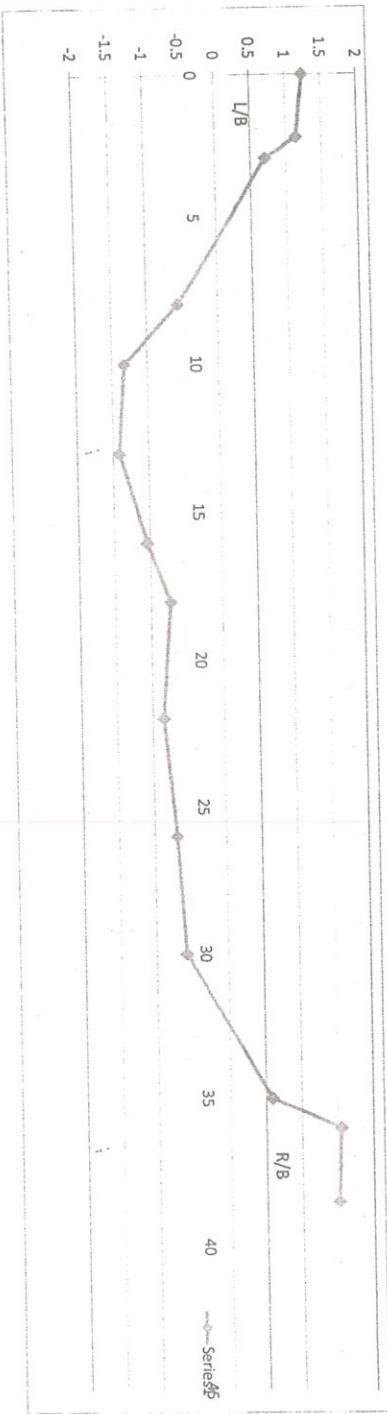
**ପ୍ରକାଶନୀ**  
 (ମୋଟ ନାଜ୍ଞାଦୂଳ ହରତ)  
 ଉତ୍ସ-ସହକାରୀ ଅବଧିଶଳୀ/ଶରୀରା କର୍ମକାରୀ  
 ନାହାଯାଦେବୀ ପାତ୍ର ଆଶୀ  
 ନାପାଡ଼ିଆ, ଶ୍ରୀମଦ୍ଭଗତ, ଶାତକୀୟା।

25/11/21

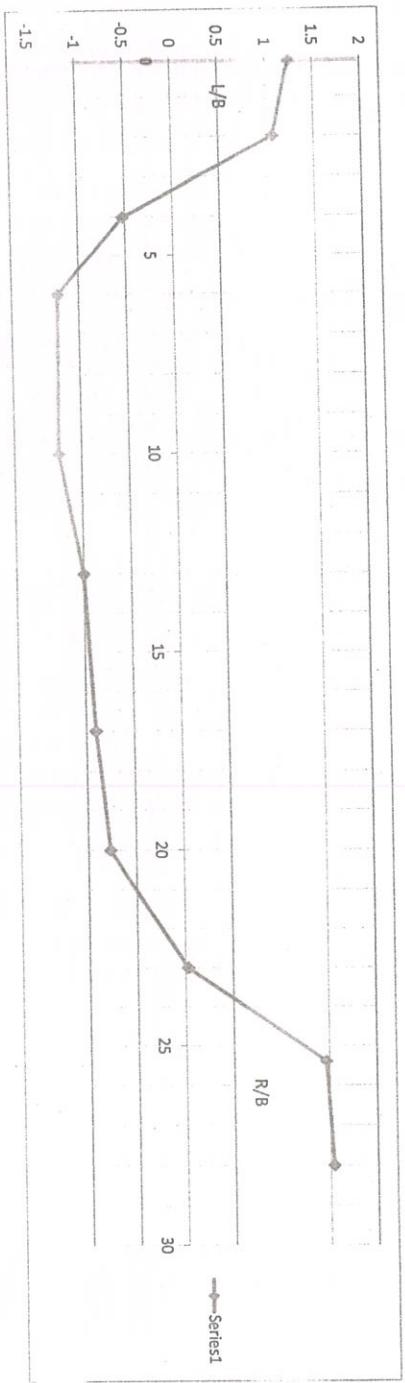
25/11/21

X-SECTION OF DUMURIA KHAL AT DUMURIA FROM KM 0.000 TO KM 1.000 = 1.000 KM IN POLDER NO-15 UNDER 'REHABILITATION OF POLDER-15 IN SATKHIRA DISTRICT' UND SATKHIRA O&M DIVISION-1,  
BWDB, SATKHIRA DURING THE YEAR 2021-22.

Distance	0	2.3	3	8	10	13	16	18	22	26	30	35	36	38.5
Existing R/L	1.25	1.15	0.71	-0.56	-1.32	-1.41	-1.04	-0.73	-0.85	-0.69	-0.58	0.59	1.55	1.51



C/S at Km 0.250														
Distance	0	2	4	6	10	13	17	20	23	25.4	28			
Existing R/L	1.25	1.07	-0.52	-1.22	-1.24	-1	-0.9	-0.77	0.03	1.47	1.54			



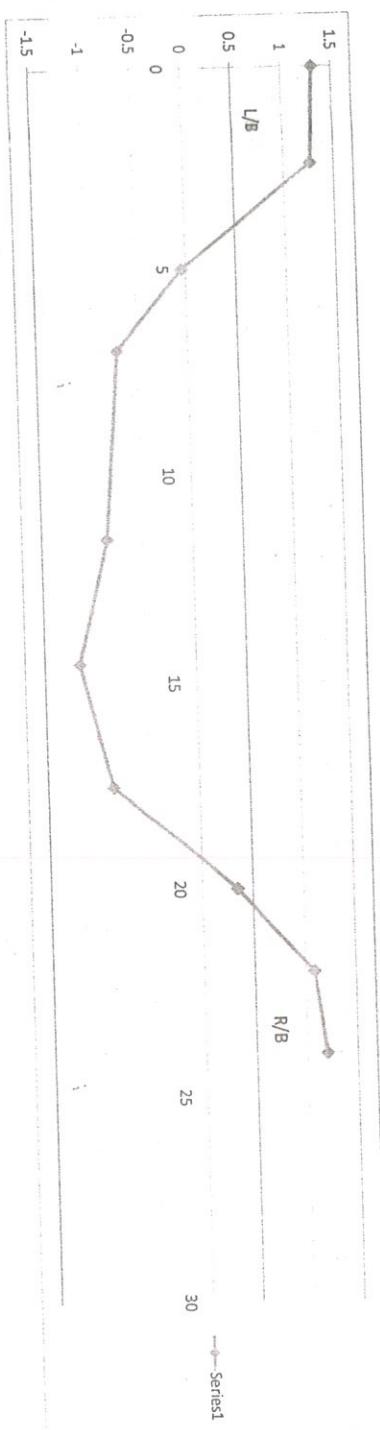
S

	C/S at Km 0500							
Distance	0	2.5	5	7	11.5	14.5	17.5	20
Existing R/L	1.31	1.27	-0.04	-0.7	-0.85	-1.15	-0.85	0.35

	C/S at Km 0500							
Distance	0	2.5	5	7	11.5	14.5	17.5	20
Existing R/L	1.31	1.27	-0.04	-0.7	-0.85	-1.15	-0.85	0.35

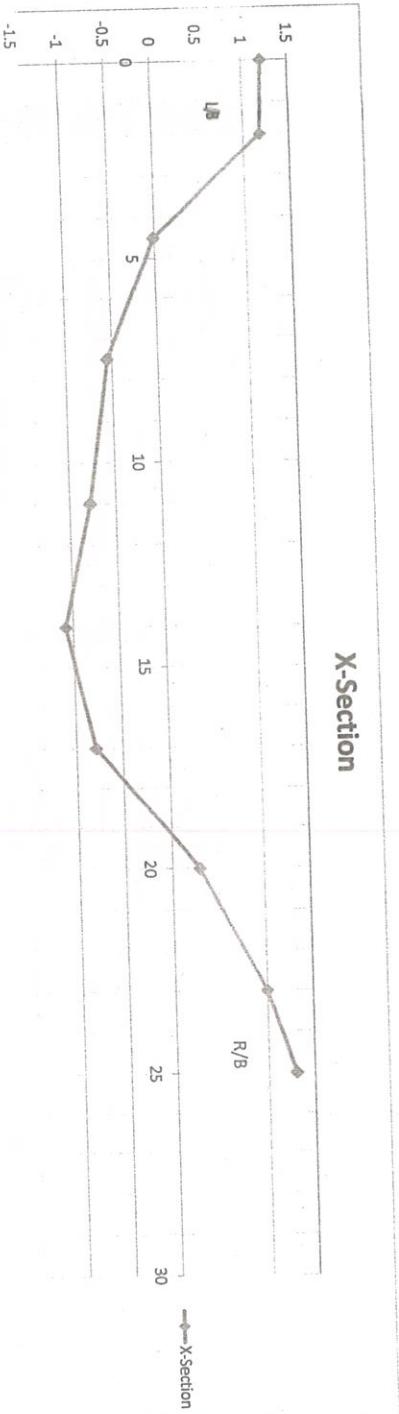
	C/S at Km 0500							
Distance	0	2.5	5	7	11.5	14.5	17.5	20
Existing R/L	1.31	1.27	-0.04	-0.7	-0.85	-1.15	-0.85	0.35

	C/S at Km 0500							
Distance	0	2.5	5	7	11.5	14.5	17.5	20
Existing R/L	1.31	1.27	-0.04	-0.7	-0.85	-1.15	-0.85	0.35



	C/S at Km 0750									
Distance	0	2	4.5	7.5	11	14	17	20	23	
Existing R/L	1.21	1.18	-0.01	-0.55	-0.78	-1.08	-0.79	0.3	1	1.3

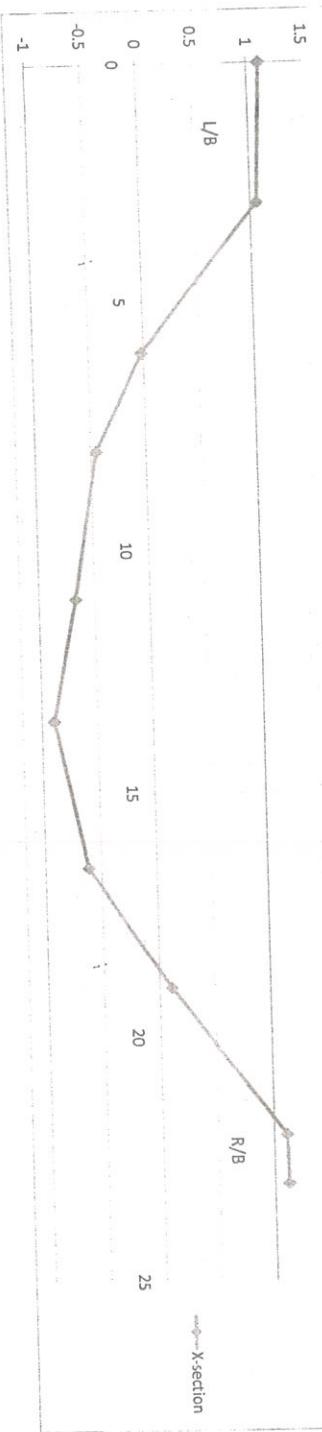
### X-Section



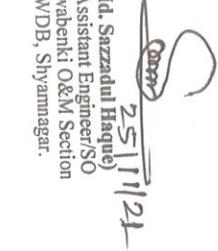
2

	C/S at Km 1.000									
Distance	0	3	6	8	11	13.5	16.5	19	22	23
Existing R/L	1.11	1.06	-0.02	-0.45	-0.67	-0.89	-0.61	0.11	1.12	1.13

X-section



  
 Md. Abul Khaer  
 (Md. Abul Khaer)  
 Executive Engineer  
 Satkhira O&M Division-1  
 BWDB, Satkhira.

  
 Md. Sazzadul Haque  
 (Md. Sazzadul Haque)  
 Sub-Assistant Engineer(SO)  
 Novabenki O&M Section  
 BWDB, Shyamnagar  
 Shyamnagar O&M Sub-Division  
 .BWDB, Shyamnagar

25/11/21  
S  
Bemba-Kholopeuta



RiverName	StationID	StationName	Year	MaxOFWL	MinOFWL
Bemba-Kholopeuta	SW26	Pratobnagar	1990	2.61	-2.46
Bemba-Kholopeuta	SW26	Pratobnagar	1991	2.88	-2.44
Bemba-Kholopeuta	SW26	Pratobnagar	1992	3.09	-1.99
Bemba-Kholopeuta	SW26	Pratobnagar	1993	3.10	-2.08
Bemba-Kholopeuta	SW26	Pratobnagar	1994	2.89	-2.18
Bemba-Kholopeuta	SW26	Pratobnagar	1995	3.47	-2.31
Bemba-Kholopeuta	SW26	Pratobnagar	1996	2.64	-2.40
Bemba-Kholopeuta	SW26	Pratobnagar	1997	2.92	-2.50
Bemba-Kholopeuta	SW26	Pratobnagar	1998	3.11	-2.59
Bemba-Kholopeuta	SW26	Pratobnagar	1999	2.66	-2.89
Bemba-Kholopeuta	SW26	Pratobnagar	2000	3.22	-2.82
Bemba-Kholopeuta	SW26	Pratobnagar	2001	2.97	-2.87
Bemba-Kholopeuta	SW26	Pratobnagar	2002	2.81	-1.77
Bemba-Kholopeuta	SW26	Pratobnagar	2003	2.62	-1.97
Bemba-Kholopeuta	SW26	Pratobnagar	2004	2.68	-1.97
Bemba-Kholopeuta	SW26	Pratobnagar	2008	2.75	-1.99
Bemba-Kholopeuta	SW26	Pratobnagar	2009	2.96	-1.61
Bemba-Kholopeuta	SW26	Pratobnagar	2011	3.90	-1.87
Bemba-Kholopeuta	SW26	Pratobnagar	2012	3.76	-1.80
Bemba-Kholopeuta	SW26	Pratobnagar	2013	3.01	-1.72
Bemba-Kholopeuta	SW26	Pratobnagar	2014	2.77	-1.81
Bemba-Kholopeuta	SW26	Pratobnagar	2015	2.69	-1.81
Bemba-Kholopeuta	SW26	Pratobnagar	2016	2.96	-1.89
Bemba-Kholopeuta	SW26	Pratobnagar	2017	3.11	-1.85
Bemba-Kholopeuta	SW26	Pratobnagar	2018	3.23	-1.42
Bemba-Kholopeuta	SW27	Pratobnagar	2019	3.410	-1.340
Bemba-Kholopeuta	SW28	Pratobnagar	2020	3.490	-2.300

1. תְּבִיבָה "תְּבִיבָה" תְּבִיבָה  
תְּבִיבָה תְּבִיבָה  
תְּבִיבָה תְּבִיבָה תְּבִיבָה-הַס.  
(הַס תְּבִיבָה תְּבִיבָה)

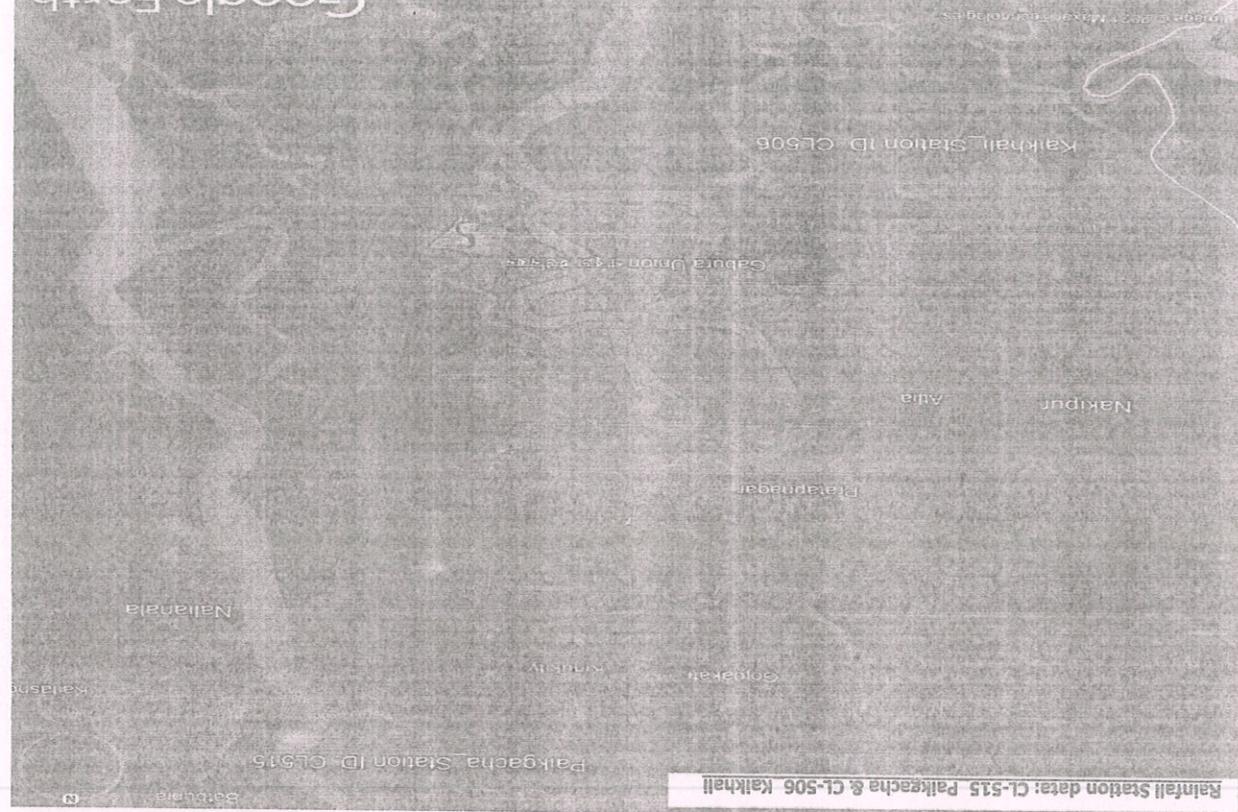
25/11/23  
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RiverName	StationID	Station	Year	MaxWL	MinWL
Kobadak	SW165	Kobadak Forest Office	1990	2.93	-1.78
Kobadak	SW165	Kobadak Forest Office	1991	2.49	-1.84
Kobadak	SW165	Kobadak Forest Office	1992	2.55	-2.25
Kobadak	SW165	Kobadak Forest Office	1993	3.00	-2.30
Kobadak	SW165	Kobadak Forest Office	1994	2.49	-2.16
Kobadak	SW165	Kobadak Forest Office	1995	2.53	-2.32
Kobadak	SW165	Kobadak Forest Office	1996	2.95	-2.45
Kobadak	SW165	Kobadak Forest Office	1997	2.65	-2.35
Kobadak	SW165	Kobadak Forest Office	1998	2.23	-2.65
Kobadak	SW165	Kobadak Forest Office	1999	2.27	-2.74
Kobadak	SW165	Kobadak Forest Office	2000	2.22	-2.44
Kobadak	SW165	Kobadak Forest Office	2001	1.85	-2.87
Kobadak	SW165	Kobadak Forest Office	2008	2.62	-2.08
Kobadak	SW165	Kobadak Forest Office	2009	3.27	-2.28
Kobadak	SW165	Kobadak Forest Office	2010	2.34	-2.58
Kobadak	SW165	Kobadak Forest Office	2011	2.63	-2.58
Kobadak	SW165	Kobadak Forest Office	2012	2.42	-2.80
Kobadak	SW165	Kobadak Forest Office	2013	4.00	-2.58
Kobadak	SW165	Kobadak Forest Office	2014	2.20	-2.57
Kobadak	SW165	Kobadak Forest Office	2015	2.26	-2.86
Kobadak	SW165	Kobadak Forest Office	2016	1.97	-2.73
Kobadak	SW166	Kobadak Forest Office	2020	3.54	-1.32

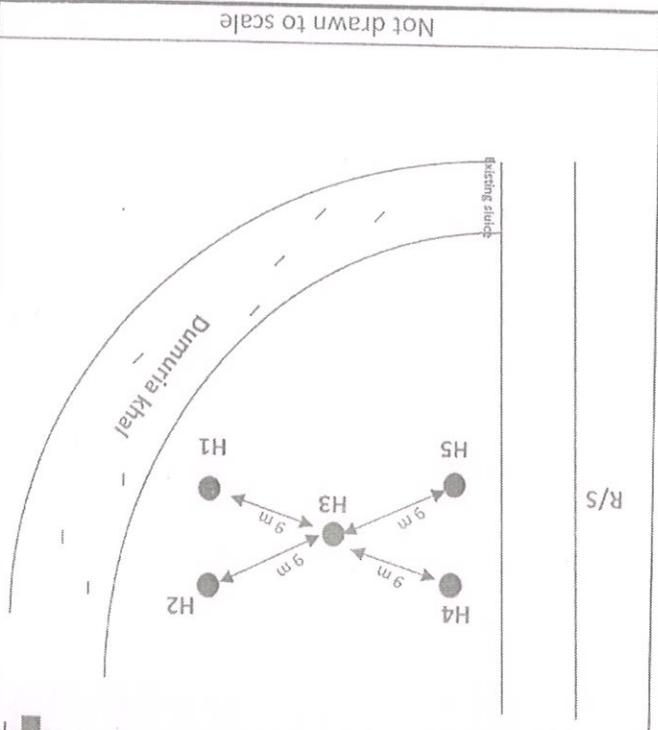
25/11/21  
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25/11/21  
25/11/21

# Google Earth



District	StationName	StationID	StationName	Year	Rainfall (mm)
Satkhira	Kalkihalli	CL506	1989	1641.70	Khulna
Satkhira	Kalkihalli	CL506	1990	2773.30	Khulna
Satkhira	Kalkihalli	CL506	1991	1709.20	Khulna
Satkhira	Kalkihalli	CL506	1992	1990	Khulna
Satkhira	Kalkihalli	CL506	1993	1789.40	Khulna
Satkhira	Kalkihalli	CL506	1994	1788.00	Khulna
Satkhira	Kalkihalli	CL506	1995	1870.10	Khulna
Satkhira	Kalkihalli	CL506	1996	1245.20	Khulna
Satkhira	Kalkihalli	CL506	1997	1771.10	Khulna
Satkhira	Kalkihalli	CL506	1998	2718.10	Khulna
Satkhira	Kalkihalli	CL506	1999	2023.90	Khulna
Satkhira	Kalkihalli	CL506	2000	1648.70	Khulna
Satkhira	Kalkihalli	CL506	2001	1839.90	Khulna
Satkhira	Kalkihalli	CL506	2002	1585.50	Khulna
Satkhira	Kalkihalli	CL506	2003	1474.40	Khulna
Satkhira	Kalkihalli	CL506	2004	2239.20	Khulna
Satkhira	Kalkihalli	CL506	2005	2288.10	Khulna
Satkhira	Kalkihalli	CL506	2006	1743.50	Khulna
Satkhira	Kalkihalli	CL506	2007	2499.20	Khulna
Satkhira	Kalkihalli	CL506	2008	1635.70	Khulna
Satkhira	Kalkihalli	CL506	2009	1264.37	Khulna
Satkhira	Kalkihalli	CL506	2010	1433.50	Khulna
Satkhira	Kalkihalli	CL506	2011	2208.25	Khulna
Satkhira	Kalkihalli	CL506	2012	1557.30	Khulna
Satkhira	Kalkihalli	CL506	2013	1517.90	Khulna
Satkhira	Kalkihalli	CL506	2014	2409.80	Khulna
Satkhira	Kalkihalli	CL506	2015	2013	Khulna
Satkhira	Kalkihalli	CL506	2016	1514.75	Khulna
Satkhira	Kalkihalli	CL506	2017	2043.60	Khulna
Satkhira	Kalkihalli	CL506	2018	2985.00	Khulna
Satkhira	Kalkihalli	CL506	2019	2016	Khulna
Satkhira	Kalkihalli	CL506	2020	2721.00	Khulna
Satkhira	Kalkihalli	CL506	2021	2110.20	Khulna
Satkhira	Kalkihalli	CL506	2022	2648.00	Khulna

Yearly Rainfall information of CL506 Kalkihalli & CL515 Palikgacha nearest of Podder-15

BANGLADESH WATER DEVELOPMENT BOARD		GROUNDWATER HYDROLOGY DIVISION-2		72 GREEN ROAD, DHAKA-1205.		Project: Rehabilitation of polder no 15 at satkhira district under satkhira o/gm division	
FIELD BORE LOG		P.S: Shyamnagar		DIST: Satkhira		LOCATION: Dumuria khal	
SITE: Dumuria		HOLE NO: H1-H5		GROUNDD LEVEL:		CLINET: XEN, OGM DIVISION-1, Satkhira	
DRILLED BY: GWHD-2		UNIT: Rig-21		TOTAL DEPTH: 72 ft		DATE STARTED: 22-05-2022	
DATE COMPLETED: 26-05-22		OF DATE-		WATER LEVEL:		HOLE NO: H1-H5	
PROJECT: Rehabilitation of polder no 15 at satkhira district under satkhira o/gm division		P.S: Shyamnagar		DIST: Satkhira		LOCATION: Dumuria khal	
A) UNDISTURB		SAMPLE NOS:		DIMENSIONS:		NO TAKEN:	
TYPE:		DRILLER: Md. Abu Jaffer		GEOLOGIST: Md. Maniruzzaman Bhuiyan		SAMPLE NOS: D1-D14	
B) DISTURB		DIMENSIONS: 1 3/4 ID X 24 inch		NO TAKEN: 14 Nos		TYPE: Split Spoon	
CASING		SIZE: 3/4 ID X 24 inch		WEIGHT OF HAMMER: 140 lb		HOW SAMPLED: WOODEN/BOX/JARS/CANS/BAGS	
REMARKS		LOCATION SKETCH		WT OF HAMMER:		DESPATCHED ON:	
Drilling was advanced by Chopping method.				AVG. DROP:		23/05/2022	
Not drawn to scale						23/05/2022	

26/05/22  
S

FIELD BORE LOG									
GROUNDWATER HYDROLOGY									
BANGLADESH WATER DEVELOPMENT BOARD									
Project: Rehabilitation of polder no 15 at Sakkhra district under Sakkhra 08m division									
Client: Dhumuria Khal Hole No: H1 Ground Level: 1.49 m									
Date Started: 22-05-2022 Date Completed: 22-05-22 At 7:00 hrs									
Drilled By: GWD-2 Unit: Rig-21 Total Depth: 72 ft									
LITHOLOGICAL DESCRIPTION									
No of Sample	Type	Scale (ft)							
100	REMARKS	00	DILATANCY	0	BLOWS ON SPOON	BLOWS ON CASING	PENETRATION NO OF BLOWS PER FT	COLOR	MOISTURE
0	0	0	0	0	0	0	0	0	0
1	0	0	0	1	1	1	1	1	1
2	1	0	1	0	1	0	1	0	1
3	0	1	1	1	1	1	1	1	1
4	0	1	1	1	1	1	1	1	1
5	0	1	1	1	1	1	1	1	1
6	0	1	1	1	1	1	1	1	1
7	0	1	1	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1
10	0	1	1	1	1	1	1	1	1
11	0	1	1	1	1	1	1	1	1
12	0	1	1	1	1	1	1	1	1
13	0	1	1	1	1	1	1	1	1
14	0	1	1	1	1	1	1	1	1
15	0	1	1	1	1	1	1	1	1
16	0	1	1	1	1	1	1	1	1
17	0	1	1	1	1	1	1	1	1
18	0	1	1	1	1	1	1	1	1
19	0	1	1	1	1	1	1	1	1
20	0	1	1	1	1	1	1	1	1
21	0	1	1	1	1	1	1	1	1
22	0	1	1	1	1	1	1	1	1
23	0	1	1	1	1	1	1	1	1
24	0	1	1	1	1	1	1	1	1
25	0	1	1	1	1	1	1	1	1
26	0	1	1	1	1	1	1	1	1
27	0	1	1	1	1	1	1	1	1
28	0	1	1	1	1	1	1	1	1
29	0	1	1	1	1	1	1	1	1
30	0	1	1	1	1	1	1	1	1
31	0	1	1	1	1	1	1	1	1
32	0	1	1	1	1	1	1	1	1
33	0	1	1	1	1	1	1	1	1
34	0	1	1	1	1	1	1	1	1
35	0	1	1	1	1	1	1	1	1
36	0	1	1	1	1	1	1	1	1
37	0	1	1	1	1	1	1	1	1
38	0	1	1	1	1	1	1	1	1
39	0	1	1	1	1	1	1	1	1
40	0	1	1	1	1	1	1	1	1
41	0	1	1	1	1	1	1	1	1
42	0	1	1	1	1	1	1	1	1
43	0	1	1	1	1	1	1	1	1
44	0	1	1	1	1	1	1	1	1
45	0	1	1	1	1	1	1	1	1
46	0	1	1	1	1	1	1	1	1
47	0	1	1	1	1	1	1	1	1
48	0	1	1	1	1	1	1	1	1
49	0	1	1	1	1	1	1	1	1
50	0	1	1	1	1	1	1	1	1
51	0	1	1	1	1	1	1	1	1
52	0	1	1	1	1	1	1	1	1
53	0	1	1	1	1	1	1	1	1
54	0	1	1	1	1	1	1	1	1
55	0	1	1	1	1	1	1	1	1
56	0	1	1	1	1	1	1	1	1
57	0	1	1	1	1	1	1	1	1
58	0	1	1	1	1	1	1	1	1
59	0	1	1	1	1	1	1	1	1
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61	0	1	1	1	1	1	1	1	1
62	0	1	1	1	1	1	1	1	1
63	0	1	1	1	1	1	1	1	1
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66	0	1	1	1	1	1	1	1	1
67	0	1	1	1	1	1	1	1	1
68	0	1	1	1	1	1	1	1	1
69	0	1	1	1	1	1	1	1	1
70	0	1	1	1	1	1	1	1	1
71	0	1	1	1	1	1	1	1	1
72	0	1	1	1	1	1	1	1	1
73	0	1	1	1	1	1	1	1	1
74	0	1	1	1	1	1	1	1	1
75	0	1	1	1	1	1	1	1	1
76	0	1	1	1	1	1	1	1	1
77	0	1	1	1	1	1	1	1	1
78	0	1	1	1	1	1	1	1	1
79	0	1	1	1	1	1	1	1	1
80	0	1	1	1	1	1	1	1	1
81	0	1	1	1	1	1	1	1	1
82	0	1	1	1	1	1	1	1	1
83	0	1	1	1	1	1	1	1	1
84	0	1	1	1	1	1	1	1	1
85	0	1	1	1	1	1	1	1	1
86	0	1	1	1	1	1	1	1	1
87	0	1	1	1	1	1	1	1	1
88	0	1	1	1	1	1	1	1	1
89	0	1	1	1	1	1	1	1	1
90	0	1	1	1	1	1	1	1	1
91	0	1	1	1	1	1	1	1	1
92	0	1	1	1	1	1	1	1	1
93	0	1	1	1	1	1	1	1	1
94	0	1	1	1	1	1	1	1	1
95	0	1	1	1	1	1	1	1	1
96	0	1	1	1	1	1	1	1	1
97	0	1	1	1	1	1	1	1	1
98	0	1	1	1	1	1	1	1	1
99	0	1	1	1	1	1	1	1	1
100	0	1	1	1	1	1	1	1	1
Note: >50% = Dominant size, 50%-50% = and, 20%-40% = some, 10%-20% = little, <10% = trace.									

## Project: Rehabilitation of stkhira QGM division

LOCATION: Dumuria khal

DRIILLED BY: GWHD-2

LITHOLE  
(ft)

No

5

61

15

20

DS

Clay with Ti

10

A5

50

55

D12

Clay with L D13

107

Note: >50% = Dominant size, 50%-50% = and, 20%-40% = some, 10%-20% = little, <10% = trace.

Dinner 12:30 PM  
Leave 12:45 PM  
Arrive 1:00 PM  
Dinner 1:30 PM  
Leave 2:00 PM

الله رب العالمين

V. S.=Very soft  
M.S.=Medium stiff  
W.G.=Whitish gray  
N.P.=Non-plastic  
S.P.=Semi-plastic

BANGLADESH WATER DEVELOPMENT BOARD

GROUNDWATER HYDROLOGY DIVISION-2

Project: Rehabilitation of polder no 15 at saltkira district under SITE: Dumuria saltkira OEM division

Note: >50% = Dominant size, 50%-50% = and, 20%-40% = some, 10%-20% = little, <10% = trace.

— 115 —

٢٠١٩/٠٦/٢٧

V. S.=Very soft  
M.S.=Medium stiff  
W.G.=Whitish green  
N.P.=Non-plastic  
S.P.=Semi-plastic

# BANGLADESH WATER DEVELOPMENT BOARD

## GROUNDWATER HYDROLOGY

### GROUNDWATER HYDROLOGY DIVISION-2

#### FIELD BORE LOG

#### GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG  
GROUNDWATER HYDROLOGY DIVISION-2

**Project:** Rehabilitation of polder no 15 at Sankhra district under SITI: Dumuria

P.S.: Shyamnagar  
DIST: Satkira

LOCATION: Dumuria khal	HOLE NO: H4	GROUND LEVEL: 1.50 m	WATER LEVEL: 1.50 m	CLIENT: XENOGM DIVISION-1, Sakthira
				AT 7:00 HRS

sakthiram division

E/FORM

